

OCONEE NUCLEAR STATION

USI A-46 RELAY EVALUATION REPORT



December 1997

9712190181 971215
PDR ADOCK 05000269
P PDR

REVISION STATUS

Revision

Summary of Revision

Date

0

Initial Issue

12/15/97

CONTENTS

<u>Section</u>	<u>Page</u>
EXECUTIVE SUMMARY	v
1. INTRODUCTION	
1.1 Purpose	1-1
1.2 Scope	1-1
1.3 Plant Description	1-1
1.4 Background	1-3
1.5 USI A-46 Relay Evaluation	1-4
1.6 Report Organization	1-4
2. RESULTS AND PLANNED ACTIONS	
2.1 Summary of Results	2-1
2.2 Relay Walkdown Activities	2-1
2.3 Relay Outliers	2-1
2.4 Completion Activities	2-2
3. TECHNICAL APPROACH	
3.1 Introduction	3-1
3.2 Criteria and Assumptions	3-1
3.3 Identification of SSEL Systems and Equipment	3-1
3.4 Essential Relay Identification and Evaluation	3-2
3.5 Capacity vs. Demand Screening Approaches	3-3
3.6 Relay Walkdown	3-5
4. SAFE SHUTDOWN EQUIPMENT	
4.1 Relay Review SSEL	4-1

CONTENTS

<u>Section</u>	<u>Page</u>
5. RESULTS OF RELAY SCREENING AND EVALUATION	
5.1 Introduction	5-1
5.2 A-46 Relay Screening and Evaluation	5-1
6. SIGNIFICANT OR PROGRAMMATIC DEVIATIONS FROM THE GIP	6-1
7. THIRD-PARTY AUDIT SUMMARY	7-1
8. REFERENCES	8-1

CONTENTS

Tables

2-1	Summary of Contact Device Screening Results
2-2	Summary of Outlier Contact Devices
3-1	Low Ruggedness Relays
4-1	SSEL for Relay Review
5-1	G.4 Forms - Relay Tabulation

Appendices

APPENDIX A	Glossary of Terms
APPENDIX B	System/Circuit Evaluation Discussions
APPENDIX C	Relay Seismic Capacity Data
APPENDIX D	Essential Contact Device List
APPENDIX E	Relays Screened Using GIP Switchgear Relay Methodology
APPENDIX F	Essential Contact Device Enclosures
APPENDIX G	Résumé of Lead Relay Reviewer

EXECUTIVE SUMMARY

The contents of this portion of the submittal has been included in the Executive Summary found in the "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report" portion of this submittal.

Section 1

INTRODUCTION

1.1 PURPOSE

This report documents the USI A-46 relay seismic functionality review for Oconee Nuclear Station. This work was performed by Duke Power Company in order to address NRC Generic Letter 87-02 (Reference 1), "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI), A-46."

A review of relays associated with safe shutdown equipment is required as part of the resolution of USI A-46. The purpose of the relay functionality review is to verify that safe shutdown systems would not be prevented from performing their safe shutdown functions because of relay (contact) chatter during the period of strong ground motion associated with Design Basis Earthquake (DBE).

The adequacy of the equipment housing these relays is addressed in the report being submitted simultaneously entitled, "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report."

1.2 SCOPE

This report addresses the equipment which was included in the Safe Shutdown Equipment List. The majority of this equipment is located in the three major structures, the Turbine Building, the Auxiliary Building, and the Reactor Building. All associated equipment walkdown evaluations are documented in a separate report being submitted simultaneously entitled, "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report."

An Unresolved Safety Issue (USI) A-46 report which discussed the scope, methods, and results of the seismic adequacy review for the equipment included in the Emergency Power Path Safe Shutdown Equipment List was submitted to the Nuclear Regulatory Commission in December, 1996. That report encompassed the Keowee Hydro Station; the Overhead Power Path through the 230 kV Switchyard and terminating at the high voltage side of the CT1, 2, and 3 transformers. Also included was the underground power path which terminates at the high voltage side of the CT4 transformer.

1.3 PLANT DESCRIPTION

Oconee Nuclear Station is located in Oconee County in northwestern South Carolina. The station is sited on the shore of Lake Keowee, a Duke impoundment on the Keowee river, a tributary of the Savannah River. The station was built during the 1967 to 1974 period. Unit 1 began commercial operation in 1973, and the last Unit (Unit 3) began commercial operation in 1974. The station consists of three Babcock & Wilcox pressurized water reactors, each designed

to generate approximately 890 MWe. The balance of plant was designed and constructed by Duke Power Company, with Bechtel Corporation designing the Reactor Buildings and C.T. Main, Inc. designing the Intake Structure.

The station consists of three reactor buildings, a single turbine building (each Unit is seismically isolated) and two auxiliary buildings, one servicing Units 1 and 2, and the other servicing Unit 3. The nuclear steam supply system has two loops with two cold legs each. Each Unit has two "once-through" steam generators that produce superheated steam at constant pressure. The reactor and nuclear steam supply system are contained within the reactor building, a post-tensioned reinforced concrete cylinder and dome with a steel liner.

A reliable source of emergency onsite power is provided by the two Unit Keowee Hydroelectric Station, which is located at the Keowee Dam, about a mile away from the plant. Emergency power is supplied via two separate and independent paths, one of which is the Overhead Power Path through the 230 kV Switchyard and the second is the underground power path to transformer CT4 and the standby busses. In addition to a large grid network, backup power is also available through a dedicated line from three combustion turbine Units at the Lee Steam Station, approximately 30 miles away.

Within ONS, this power is distributed through 4.16 kV switchgear TC, TD and TE. This switchgear provides power for major pumps, 600V Load Centers as well as 600 and 208V Motor Control Centers. 600 and 208V Motor Control Centers provide power to the various AC power loads. 120V AC power is provided by various power panel panelboards within the plant. DC power is supplied by 600V Battery Chargers and 125/250V DC Battery Systems and Distribution Centers which provide power to instrumentation and controls that are needed during loss of power conditions. Emergency lighting is also provided through the 125/250V DC Battery System and associated lighting panelboards.

The plant design incorporates the Standby Shutdown Facility (SSF), a totally independent means of achieving and maintaining safe shutdown conditions if the normal plant safety systems are unavailable.

Design Basis Earthquake Floor Response Spectra for Oconee Nuclear Station are addressed in Section 2 of the "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report" portion of this submittal.

1.4 BACKGROUND

Due to the extent of the changes in the requirements for seismic qualification of equipment over the years, the U.S. Nuclear Regulatory Commission (NRC) initiated USI A-46, "Seismic Qualification of Equipment in Operating Nuclear Plants," in December 1980. The purpose of USI A-46 is to verify the seismic adequacy of essential equipment in operating plants which had not been qualified in accordance with more recent criteria.

In 1982, the Seismic Qualification Utility Group (SQUG) was formed to develop a practical approach for seismic qualification of equipment in operating plants. The approach developed by SQUG was to use experience with the performance of power plant and industrial equipment in actual earthquakes as the primary basis for evaluating the seismic ruggedness and functionality of essential equipment in nuclear power plants. In 1983, the NRC issued NUREG 1018 which includes a general endorsement of the use of experience data for verification of the seismic adequacy of equipment in nuclear plants.

In early 1987, the NRC issued Generic Letter (GL) 87-02 to owners of operating nuclear plants which were licensed prior to development of modern seismic qualification standards. The recipients of GL 87-02 are referred to as A-46 plants and include Oconee Nuclear Station. Essentially, all owners of A-46 plants, including Duke Power Company, are SQUG members. GL 87-02 requires owners to take action to verify the seismic adequacy of important equipment in their plants. The SQUG approach, embodied in the Generic Implementation Procedure (GIP), is explicitly recognized by the NRC as the preferred method for accomplishing this objective.

In 1992, the NRC issued Supplement No. 1 to GL 87-02 (Reference #2) which transmitted Supplemental Safety Evaluation Report No. 2 on SQUG GIP, Revision 2, as corrected on February 14, 1992 (Reference #1). References #1 and #2 are the basis for the seismic evaluations described in this report.

Oconee Nuclear Station provided information in support of Generic Letter 87-02 to the NRC in a letter dated September 21, 1992 (Reference #4). On November 19, 1992, the NRC responded with a letter of request for additional information. Also, the NRC requested clarification as to the Oconee Nuclear Station's commitment to the Generic Implementation Procedure (GIP), Revision 2, as corrected on February 14, 1992 and the associated Supplemental Safety Evaluation (SSER) No. 2. Duke responded with a letter dated January 15, 1993 clarifying Oconee Nuclear Station's commitment to the GIP and providing the requested additional information to the NRC. The NRC's letter dated April 5, 1993 to Duke Power provides the Staff's evaluations and conclusions of the additional information (Reference #5).

In a letter dated October 3, 1995, Duke power updated the NRC Staff on the progress of the resolution to USI A-46 and revised the submittal date for the USI A-46 report to December 31, 1996. A partial USI A-46 report was submitted as an attachment to a letter dated December 30, 1996. The partial submittal covered the emergency power equipment which is located at the Keowee Hydro Units and in the Oconee Switchyard.

In a letter dated December 30, 1996, Duke Power indicated that an expected date for submittal of the remaining portion of the USI A-46 report would be provided to the NRC by March 31, 1997. Duke Power's letter to the NRC dated March 31, 1997, stated the balance of the USI A-46 submittal would be made by December 15, 1997.

In addition to the above stated correspondence, the NRC visited Oconee Nuclear Station during the month of April 1995 for an In-Progress Audit. The primary intent was to observe and assess the effectiveness of identifying seismic concerns per the GIP and general implementation of the GIP with respect to the walkdowns and field assessments. The NRC's evaluation of this audit was provided to Duke Power in a letter dated June 15, 1995.

1.5 USI A-46 RELAY EVALUATION

For most equipment functionally required for safe shutdown in nuclear plants, demonstration of seismic adequacy using an experience-based approach will be accomplished by verifying that the equipment is comparable to that in the conventional plants which have successfully withstood significant earthquakes and by assuring that the equipment is properly anchored. In the case of electrical relays, this approach addresses the adequacy of the cabinet - but may not always address the adequacy of the relays or their contacts. First, the types of relays used in power plants are diverse and not easily grouped in generic equipment classes. Second, there have been instances of relay malfunction in earthquakes and in seismic shake-table tests at acceleration levels which may be near nuclear plant design levels.

In order to adequately address the relay concerns associated with the USI A-46 effort, the Electric Power Research Institute (EPRI) established a project to develop a methodology for evaluating relay seismic functionality in operating nuclear power plants. The project developed EPRI Reports NP-7148-SL (Reference 5), NP-7148-SL Volume 2: Addendum (Reference 8), NP-7147-SL (Reference 6) and NP-5223-SL (Reference 7) which provide the methodology, procedures and data for evaluating relay seismic functionality.

Section II.6 of the GIP provides an overview of the USI A-46 relay review criteria and methodology. Section II.9 of the GIP defined the information which should be included in the relay evaluation report. The content of the GIP concerning relay evaluations is based on the detailed criteria, methodology, and procedure documented in EPRI Report NP-7148-SL (Reference 5). Accordingly, the review of the relays associated with the USI A-46 safe shutdown equipment for Oconee Nuclear Station was performed and documented in accordance with the requirements of the GIP, the NRC SSER on the GIP, and EPRI Report NP-7148-SL.

1.6 REPORT ORGANIZATION

Section 2, "Results and Planned Actions" - This section contains a summary of the USI A-46 relay review for Oconee Nuclear Station.

Section 3, "Technical Approach" - Contains a description of the overall technical approach and assumptions used in the review.

Section 4, "Safe Shutdown Equipment" - "A summary of the equipment included in the relay review is contained in Section 4.

Section 5, "Results of Relay Screening and Evaluation" - This section documents relay screening and evaluation results.

Section 6, "Significant or Programmatic Deviations from the GIP" - A statement is made that no significant or programmatic deviations from the GIP were made.

Section 7, "Third Party Audit Summary" - Third-Party Audits are addressed here by referring back to the seismic walkdown report.

Section 8, "References" - The references used to support the evaluation documented by this report are listed.

Appendix A, "Glossary of Terms" - Provides a tabulation of terms used in the report.

Appendix B, "System/Circuit Evaluation Discussions" - Includes discussions of plant systems and associated circuit evaluations.

Appendix C, "Relay Seismic Capacity Data" - This appendix tabulates relay capacity data as used in relay screening.

Appendix D, "Essential Contact Device List" - A list of essential contact devices, including the relay identification numbers, the manufacturers' model numbers, and plant location where the relay is mounted is included.

Appendix E, "Relays Screened using GIP Switchgear Methodology" - Lists contact devices screened as seismically rugged using the GIP switchgear screening techniques.

Appendix F, "Essential Contact Device Enclosures" - This appendix lists enclosures containing essential contact devices.

Appendix G, "Résumé of Lead Relay Reviewer" - Includes the résumé of the lead relay reviewer.

RESULTS AND PLANNED ACTIONS

2.1 SUMMARY OF RESULTS

This section documents the results of the seismic functionality review of relays affecting USI A-46 safe shutdown components for Oconee Nuclear Station. The review was performed in accordance with the methodology and procedures established for plant specific resolution of USI A-46; specifically, the Generic Implementation Procedure (GIP), the NRC safety evaluation report on the GIP, and EPRI report NP-7148-SL. Table 2-1 of this section provides a summary of the results of that review. This table includes each classification of relay screening employed and a quantity for each classification.

The Oconee Nuclear Station Safe Shutdown Equipment List (SSEL) items requiring a relay review are included in Section 4. Relay reviews were performed for each of these items. These reviews are documented in Section 5 of this report and summarized here in Section 2.

2.2 RELAY WALKDOWN ACTIVITIES

The field walkdown portion of the relay functionality review was performed in conjunction with the seismic walkdowns by the Seismic Review Teams. Relay type, cabinet location and mounting were spot checked by the walkdown team with no significant discrepancies noted. Relay mountings were reviewed for proper mounting. Relay amplification factors were determined based on the equipment classification and the assumption that all relays were mounted at the highest point of the cabinet unless verified otherwise. Equipment classes were selected based on the guidance provided in the GIP and EPRI NP-7148-SL (Appendix I) and EPRI NP-7149-D.

2.3 RELAY OUTLIERS

Essential relays that were not able to be screened using GIP techniques were classified as outliers. Table 2-2 summarizes these outlier contact devices and the proposed resolutions and current status at the time of the submittal. This table is sorted by type of contact device and includes columns for the type of contact device, the manufacturer and model number of the device, the proposed resolution for the outlier, whether or not the outlier has been resolved and the quantities of each device.

2.4 COMPLETION ACTIVITIES

Relay Outliers will be resolved by one of the following approaches:

- 1) Testing relays under the industry sponsored SQRSTS program to determine if they can be qualified to a ruggedness level that exceeds the seismic demand on the relays, or
- 2) Replace the relays with more rugged relays whose GERS capacities are higher than the seismic demand on the relays, or
- 3) Relocate the relays to a location where the seismic demand on the relays will be less than the GERS capacity for the relays, or
- 4) Modify the circuit configuration such that chatter will be acceptable, or
- 5) Perform in-situ modal testing/analysis on the cabinets that house relays to demonstrate more specific in-cabinet response thus lowering the demand on relays.

Table 2-1-ONS
Oconee Nuclear Station
Summary of Contact Device
Screening Results

Sorted by: Device Evaluation

Page 1 of 1

USI A-46 Device Evaluation/Screening Category	Quantity
Chatter Acceptable (Non-Essential)	1741
Chatter Not Acceptable (Outliers Requiring Further Testing or Evaluation)	107
Low Ruggedness (Outliers To Be Replaced)	24
Not Vulnerable to Contact Chatter	1562
Resolved Relay Outlier	6
Screened using EPRI Relay GERS	530
Screened using GIP Switchgear Relay Methodology	166
Screened using Seismic Test Report and/or Calculation	806
Total	4942

**Table 2-2-ONS
Oconee Nuclear Station
Summary of Outlier Contact Devices**

Sorted by: Device Type + Manufacturer + Model Number

Page 1 of 1

Type Device	Manufacturer	Model No.	Proposed Resolution *	Resolved **	Quantity
Control Module	BAILEY CONTROLS	6613303-1	SQRSTS test or replacement		5
Control Module	BAILEY CONTROLS	6614306-1	SQRSTS test or replacement		3
Control Module	SAIC	RP 2049-2	SQRSTS test or replacement		11
Pressure Switch	ITT BARTON	581A-2	SQRSTS test or replacement		6
Pressure Switch	SQUARE D	9013 SERIES	SQRSTS test or replacement		6
Pressure Switch	STATIC-O-RING	9NN-K45-N4-F1A	SQRSTS test or replacement		6
Relay	CUTLER-HAMMER	D40RR34A1	SQRSTS test or replacement		2
Relay	GENERAL-ELECTRIC	CR120	Replace with seismically adequate equivalent		6
Relay	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)	Replace with seismically adequate equivalent		9
Relay	GENERAL-ELECTRIC	PVD21D/NON-OP	Screened using total energy methodology	Yes **	6
Relay	ITE/GOULD	P102C111	SQRSTS test or replacement		3
Relay	POTTER-BRUMFIELD	KRPA14AN	SQRSTS test or replacement		2
Relay	WESTINGHOUSE	CA-16 (671B157A20)	Replace with seismically adequate equivalent		24
Relay	WESTINGHOUSE	CO-7 (1875252)	SQRSTS test or replacement		3
Relay	WESTINGHOUSE	CO-7 (1875253)	SQRSTS test or replacement		9
Relay	WESTINGHOUSE	CV-7 (1875524)	Replace with seismically adequate equivalent		18
Relay	WESTINGHOUSE	CV-8 (183A205A15)	Replace with seismically adequate equivalent		3
Relay	WESTINGHOUSE	HU SERIES (Low Ruggedness)	Replace with seismically adequate equivalent		15
Total					137

* Actual Resolution will be in compliance with Section 5 of the GIP

** Contact chatter evaluated/resolved for Licensing Basis Event per concerns outlined in the GIP

TECHNICAL APPROACH

3.1 INTRODUCTION

The relay evaluation methodology used for Oconee Nuclear Station consists of a step-by-step procedure to screen and evaluate relays. Systems, associated circuits, and relays which must remain functional during and immediately after an earthquake were first identified. Essential relays were then identified. These essential relays were screened with respect to capacity/demand using Generic Implementation Procedure (GIP) methodology where possible. The remaining essential relays that were not able to be screened per the GIP were classified as outliers.

3.2 CRITERIA AND ASSUMPTIONS

For resolution of USI A-46 it is not necessary to verify the seismic adequacy of all plant equipment defined as Seismic Class 1 in NRC Regulatory Guide 1.29. Instead, only those systems, subsystems, and components required to bring the plant to a safe shutdown condition and to maintain it in that condition for 72 hours per GIP criteria are included in the scope of USI A-46. As a result, the scope of the seismic verification review is limited to equipment providing functions necessary for achieving and maintaining safe shutdown. Other important assumptions which define systems and equipment which are considered essential under Unresolved Safety Issue (USI) A-46 are defined in NUREG-1211 and include: (1) the seismic event does not cause a loss of coolant accident (LOCA) and a LOCA will not be postulated to occur simultaneously with or during the seismic event, (2) off-site power may be lost during or following a seismic event, and (3) random, single-active failures are assumed for systems counted on to achieve and maintain hot, safe shutdown. In addition, other specific criteria and assumptions involved in the detailed relay evaluation procedure used for Oconee Nuclear Station are provided in References 3, 4, 7 and 10.

3.3 IDENTIFICATION OF SSEL SYSTEMS AND EQUIPMENT

Four functions were considered for achieving and maintaining a safe shutdown condition following a design basis earthquake. These functions are as follows:

- Reactivity control
- Reactor coolant pressure control
- Reactor coolant inventory control
- Decay heat removal

The systems best suited to perform these safe shutdown functions were identified as discussed in Section 4 of the "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report" portion of this submittal. Information included in the identification process was a list of the components required within the systems as well as data to document whether or not relay chatter was acceptable and power availability requirements for the system components.

3.4 ESSENTIAL RELAY IDENTIFICATION AND EVALUATION

The methodology for evaluating the seismic functionality of relays was based on a two tier evaluation process. The top tier effort identified a set of plant systems and equipment (including associated relays) which are required to function to maintain the plant in a safe condition during and immediately following an earthquake. Circuit analysis was performed on the identified systems and equipment. Part of the circuit analysis involved the identification of relays that were not vulnerable to contact chatter (NV) such as solid state relays. Relays whose contact chatter could cause a system or component to be placed in an undesired state were identified as essential relays. These essential relays were evaluated for their seismic ruggedness, including GERS evaluations as well as current qualification techniques (IEEE standards, etc.). Essential relays are tabulated in Appendix D.

Essential relays were screened as discussed below:

GIP Level 1 screening involved comparing in-cabinet relay GERS values to pre-determined acceleration values for the type of cabinet in which the relays were mounted and the associated elevation above grade of the cabinets as defined in EPRI NP-7148-SL (Reference 5).

For GIP Level 2 screening, relay capacities were used as defined in EPRI NP-7147-SL (Reference 6) and any that were developed per test standards meeting IEEE 344-75 or newer standards such as the Seismic Qualification Reporting and Testing Standardization (SQRSTS) program. Seismic demands on the relays were calculated using seismic floor acceleration values for the various buildings and floor elevations as addressed in the "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report" portion of this submittal. These floor acceleration values were multiplied by the appropriate cabinet amplification factors for the type of cabinet in which the relays were mounted. Then, the appropriate knock-down factors were applied to account for the Median Centered classification issue to calculate the final seismic demand on the relays.

GIP Level 3 screening was not used for the Oconee Nuclear Station.

For relays that were not able to be screened using Level 1 or Level 2 techniques as discussed above, GIP Level 4 screening (current qualification methods) was used to determine if any of the remaining relays could be screened.

The need for corrective actions was identified where the screening and evaluations described above were unsuccessful. These are summarized in Section 2.

The results of this process of identifying and evaluating the relays required to support Oconee Nuclear Station in the event of a design basis earthquake are documented in this report. This report provides a traceable record that all relays or groups of relays which affect the operation of the safe shutdown components have been evaluated.

As part of the screening process, any relays that were documented in Appendix E of EPRI NP-7148-SL (Reference 5) were identified as Low Ruggedness relays. Table 3-1 lists essential Low Ruggedness relays.

Appendix F lists enclosures which house essential contact devices for Oconee Nuclear Station.

3.5 CAPACITY VERSUS DEMAND SCREENING APPROACHES

Level 1 Screening

The Level 1 screening approach, defined in EPRI NP-7148-SL and Section II.6.4.2 of the GIP, is an option for high capacity relays at Oconee Nuclear Station because the SSE site-specific spectrum is bounded by the GIP Bounding Spectrum. The Level 1 screening approach is applicable only for essential relays installed at 40 feet or less above effective grade as defined in the report entitled, "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report." Essential relays installed at these elevations are considered seismically adequate, provided one of the following is true:

1. The relay has a Peak Spectral Acceleration (PSA) capacity of 5g or higher and is mounted in an adequately anchored, conventional motor control center (MCC) or other similar enclosure, or
2. The relay has a PSA capacity of 8g or higher and is mounted in an adequately anchored, conventional switchgear enclosure, vertical control panel, bench board control panel, or other similar type of enclosure.

The relay evaluation assumes that such enclosures are adequately anchored, because the GIP requires a seismic walkdown, including an anchorage evaluation, of all enclosures containing essential relays. Therefore, the adequacy of the anchorage for these enclosures was verified by the seismic capability engineers during the seismic walkdown and if found to be inadequate, was declared as an outlier.

Level 2 Screening

The Level 2 screening approach, defined in EPRI NP-7148-SL and Section II.6.4.2 of the GIP involves establishing an in-cabinet seismic demand and comparing it to the seismic capacity of a

specific relay type. Essential relays are seismically adequate if the seismic capacity of the relay exceeds the seismic demand for both the PEAK and ZPA regions of the demand spectra.

There are two methods for using the Level 2 screening approach. The first method is based on the Design Basis Earthquake (DBE) ground response spectrum. The second method is based on the in-structure or floor response spectra (IRS). The following describes the requirements for each method:

1. Method 1 - Ground Response Spectrum (*Alternate Method - Not Used*)

The applicable seismic demand at the floor for contact devices installed in enclosures with a natural frequency of 8 Hz or greater and located at 40 feet or less above effective grade is given below. This is the applicable floor demand for comparisons of GERS data for equipment such as metal-clad circuit breakers found in switchgear and motor starter contactors found in MCCs.

$$\text{Method 1 Floor Demand} = \text{DBE} \times 1.5 \times 1.5$$

The in-cabinet seismic demand for contact devices installed in enclosures with a natural frequency of 8 Hz or greater and located at 40 feet or less above effective grade is given by:

$$\text{Method 1 Cabinet Demand} = \text{Floor Demand} \times \text{AF} = \text{DBE} \times 1.5 \times 1.5 \times \text{AF}$$

where AF is the cabinet amplification factor.

Appendix I of EPRI NP-7148-SL provides guidelines for categorizing enclosures containing essential relays and defined an effective in-cabinet amplification factor for each category of enclosure. The following summarizes the generic in-cabinet amplification factors defined in Appendix I of EPRI NP-7148-SL. These factors were used to establish in-cabinet seismic demands for comparison with GERS data where cabinet specific response data are not available:

- AF = 7 for High Amplification Structures (e.g. switchgear enclosures);
- AF = 4.5 for Medium Amplification Structures (e.g. benchboards);
- AF = 3 for Low Amplification Structures (e.g. motor control centers).

2. Method 2 - Floor Response Spectra

For contact devices installed in enclosures where the seismic demand at the floor is given by the applicable in-structure or floor response spectra and the in-cabinet seismic demand is given by:

$$\text{Method 2 Floor Demand} = \text{IRS} \times \text{FS}$$

$$\text{Method 2 Cabinet Demand} = \text{IRS} \times \text{FS} \times \text{AF}$$

where: FS - is a factor of safety to account for uncertainties in the in-structure response spectra.

AF - is the cabinet amplification factor.

For Oconee Nuclear Station the in-structure response spectra are conservatively considered median-centered spectra. Therefore, FS = 1.5.

As a supplement to the GERS defined in Reference 6, GERS values developed under the industry sponsored Seismic Qualification Reporting and Testing Standardization (SQRSTS) program were also used where appropriate for capacity vs. demand screening.

Level 3 Screening (Not Used)

The Level 3 screening approach, defined in EPRI NP-7148-SL and Section II.6.4.2 of the GIP, is the same as the Level 2 screening approach except that instead of using a generic in-cabinet amplification factor, a specific in-cabinet response spectra is calculated. Essential relays are seismically adequate if the seismic capacity of the relay exceeds the seismic demand.

Level 4 Screening

The Level 4 screening approach, defined in EPRI NP-7148-SL and Section II.6.4.2 of the GIP, involves the use of formal seismic qualification methods specified in NRC-approved IEEE standards (e.g., IEEE 344-1975, -1987).

3.6 RELAY WALKDOWN

For resolution of Unresolved Safety Issue USI A-46, the GIP requires, in part, a plant walkdown of relays and their enclosures. The purpose of this walkdown is to :

1. Obtain, as necessary, information needed to determine cabinet types and cabinet-specific in-cabinet amplification factors for seismic capacity screening;

2. Verify the seismic adequacy of cabinets or enclosures which contain essential relays;
3. Spot-check mounting of essential relays to determine if they are mounted in accordance with manufacturers' recommendations.

Under the USI A-46 program, relay mountings are assumed to be in accordance with manufacturers' recommendations and plant documentation of relay types and locations is assumed to be accurate. The objective of the spot checks made during the relay walkdown was to confirm on a sample basis these assumptions. Other plant walkdowns, performed by the seismic capability engineers, collected the information needed for cabinet evaluations used in seismic capacity screening of relays and to verify the seismic adequacy of the cabinets and enclosures which support essential relays.

Table 3-1
Oconee Nuclear Station
Low Ruggedness Relays

Sorted by: Manufacturer + Model Number

Page 1 of 1

Relay ID	Manufacturer	Model No.
87BU1(X)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU1(Y)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU1(Z)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU2(X)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU2(Y)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU2(Z)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU3(X)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU3(Y)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87BU3(Z)	GENERAL-ELECTRIC	PVD11C11A (Low Ruggedness)
87T/CT4(X)	WESTINGHOUSE	HU (Low Ruggedness)
87T/CT4(Y)	WESTINGHOUSE	HU (Low Ruggedness)
87T/CT4(Z)	WESTINGHOUSE	HU (Low Ruggedness)
87T/CT5(X)	WESTINGHOUSE	HU (Low Ruggedness)
87T/CT5(Y)	WESTINGHOUSE	HU (Low Ruggedness)
87T/CT5(Z)	WESTINGHOUSE	HU (Low Ruggedness)
87T/CT1(X)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT1(Y)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT1(Z)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT2(X)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT2(Y)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT2(Z)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT3(X)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT3(Y)	WESTINGHOUSE	HU-1 (Low Ruggedness)
87T/CT3(Z)	WESTINGHOUSE	HU-1 (Low Ruggedness)

Section 4

SAFE SHUTDOWN EQUIPMENT

4.1 RELAY REVIEW SSEL

Safe Shutdown Functions and Path Selections are discussed in the "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report" portion of this submittal.

Table 4-1 lists the SSEL equipment items requiring a relay review or required to support the relay review for Oconee Nuclear Station. Equipment on this list directed the relay reviewer to identify the essential and non-essential relays to be evaluated. The relay evaluation of each of these items is contained in Section 5 of this report.

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 1 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
05	OCCWPU0001	AUX SERVICE WATER PUMP	AB	771
05	OCCWPU0002	SSF AUX SERVICE WATER PUMP	SSF	754
05	OCCWPU0003	SSF HVAC COOLING WATER PUMP 1	SSF	754
05	OCCWPU0004	SSF HVAC COOLING WATER PUMP 2	SSF	754
05	OCCWPU0005	SSF DIESEL WATER JACKET PUMP	SSF	754
05	0HPSPU0001	HPSW STANDBY PUMP A	TB	775
05	0HPSPU0002	HPSW STANDBY PUMP B	TB	775
05	0HPSPU0003	HPSW JOCKEY PUMP	TB	775
20	1&2POWDEXPANEL	1&2 POWDEX PANEL	TB	775
14	1A/1B/SW	1A/1B REG XFER SW	AB	796
14	1A/MCB	240/120V 1A REGULATOR OUTPUT BKR	AB	796
00	1A/REG	REGULATED PWR SUPP REG 1A	AB	796
20	1AB1	CONTROL BOARD 1AB1	AB	822
20	1AB3	CONTROL BOARD 1AB3	AB	822
20	1ADA	ISOL DIODE ASSEMBLY 1ADA	AB	796
20	1ADB	ISOL DIODE ASSEMBLY 1ADB	AB	796
20	1ADC	ISOL DIODE ASSEMBLY 1ADC	AB	796
20	1ADD	ISOL DIODE ASSEMBLY 1ADD	AB	796

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 2 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	1ADE	ISOL DIODE ASSEMBLY 1ADE	AB	796
20	1ADF	ISOL DIODE ASSEMBLY 1ADF	AB	796
20	1ADG	ISOL DIODE ASSEMBLY 1ADG	AB	796
20	1ASP	AUX SHUTDOWN PANEL	TB	822
18	1ASPT0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	TB	796'+6"
20	1AT3	AREA TERM CAB 1AT3	AB	809
20	1AT5	AREA TERM CAB 1AT5	AB	809
20	1AT8	AREA TERM CAB 1AT8	AB	809
18	1ATBOXEH	FWP 1A TERMINAL BOX EH	TB	775
20	1ATWSCP	U1 ATWS CONTROL PANEL	AB	838
14	1B	600V PPB 1B (FOR PZR HTR GROUP B BANK 2)	RB	818
14	1B/MCB	240/120V 1B REGULATOR OUTPUT BKR	AB	796
00	1B/REG	REGULATED PWR SUPP REG 1B	AB	796
18	1BSPS0018	RB PRESS SWITCH (ES CH 1A)	AB	809
18	1BSPS0019	RB PRESS SWITCH (ES CH 1A)	AB	809
18	1BSPS0020	RB PRESS SWITCH (ES CH 1B)	AB	809
18	1BSPS0021	RB PRESS SWITCH (ES CH 1B)	AB	809
18	1BSPS0022	RB PRESS SWITCH (ES CH 1C)	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 3 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	1BSPS0023	RB PRESS SWITCH (ES CH 1C)	AB	809
18	1BSPT0004P	RB PRESS XMTR (ES CH 1A)	AB	809
18	1BSPT0005P	RB PRESS XMTR (ES CH 1B)	AB	809
18	1BSPT0006P	RB PRESS XMTR (ES CH 1C)	AB	809
08	1BSVA0001	RB SPRAY HEADER 1A ISOLATION	AB	809
08	1BSVA0002	RB SPRAY HEADER 1B ISOLATION	AB	809
08	1BSVA0003	RBS PUMP SUCTION ISOL	AB	758
08	1BSVA0004	RBS PUMP SUCTION ISOL	AB	758
18	1BTBOXEH	FWP 1B TERMINAL BOX EH	TB	775
14	1C	600V PPB 1C (FOR PRESSURIZER HEATERS GROUP C BANK 2)	RB	818
16	1CA/BC	CONTROL BATT CHGR 1CA	AB	796
20	1CAP	CHEMICAL ADDITION PANEL	AB	771
16	1CB/BC	CONTROL BATT CHGR 1CB	AB	796
00	1CCD000A	CONDENSER 1A	TB	775
00	1CCD000B	CONDENSER 1B	TB	775
00	1CCD000C	CONDENSER 1C	TB	775
21	1CCTK0001	COMPONENT COOLING SURGE TANK	AB	838
06	1CCWPU0001	CCW PUMP 1A	YD	810'+6"

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 4 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
06	1CCWPU0002	CCW PUMP 1B	YD	810'+6"
06	1CCWPU0003	CCW PUMP 1C	YD	810'+6"
06	1CCWPU0004	CCW PUMP 1D	YD	810'+6"
05	1CCWPU0024	EFWPT OIL COOLER PUMP	TB	775
08	1CCWVA0001	CCW EM DISCH ISOL	YD	796
08	1CCWVA0002	CCW EM DISCH ISOL	YD	796
08	1CCWVA0003	CCW EM DISCH ISOL	YD	796
08	1CCWVA0004	CCW EM DISCH ISOL	YD	796
08	1CCWVA0005	CCW EM DISCH ISOL	YD	796
08	1CCWVA0006	CCW EM DISCH ISOL	YD	796
08	1CCWVA0010	DISCH ISOL VALVE	YD	796
08	1CCWVA0011	DISCH ISOL VALVE	YD	796
08	1CCWVA0012	DISCH ISOL VALVE	YD	796
08	1CCWVA0013	DISCH ISOL VALVE	YD	796
08	1CCWVA0026	CCW VENT VALVE	YD	815
08	1CCWVA0027	CCW VENT VALVE	YD	796
08	1CCWVA0028	CCW VENT VALVE	YD	815
08	1CCWVA0029	CCW VENT VALVE	YD	796

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 5 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1CCWVA0269	CROSSOVER ISOLATION TO A	AB	771
08	1CCWVA0287	SSF ISOL VALVE	SSF	754
21	1CFTK000A	CORE FLOOD TANK 1A	RB	797'+6"
21	1CFTK000B	CORE FLOOD TANK 1B	RB	818
18	1CLT0015A	UST 1B LEVEL	TB	838
18	1CLT0036	UST 1A LEVEL	TB	838
18	1CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)	TB	838
18	1CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)	TB	838
18	1CPS0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775
06	1CPU0010	HOTWELL PUMP 1A	TB	775
06	1CPU0011	HOTWELL PUMP 1B	TB	775
06	1CPU0012	HOTWELL PUMP 1C	TB	775
02	1CRDACBKRCAB	CRD SYSTEM AC BKR CAB	AB	809
20	1CRDDCBKRCAB	CRD SYSTEM DC BKR CAB	AB	809
20	1CRDLC	CONTROL ROD DRIVE LOGIC CABINETS	AB	809
08	1CSVA0005	QUENCH TANK DRAIN	RB	777'+6"
07	1CSVA0006	QUENCH TANK DRAIN	AB	758
08	1CVA0152	UST RISER ISOLATION	TB	775

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 6 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1CVA0153	UST RISER ISOLATION	TB	822
08	1CVA0156	UST RISER ISOLATION	TB	822
08	1CVA0158	UST RISER ISOLATION	TB	822
08	1CVA0160	UST SUPPLY ISOL TO TDEFWP	TB	775
07	1CVA0176	UST TO COND ISOL VALVE	TB	775
07	1CVA0187	UST TO COND ISOL VALVE	TB	771
07	1CVA0192	UST TO COND ISOL VALVE	TB	775
07	1CVA0225	POL DEMIN ISOL VALVE (BACKWASH INLET W/A VALVE)	TB	775
07	1CVA0232	POL DEMIN ISOL VALVE (DRAIN U/A VALVE)	TB	775
07	1CVA0233	POL DEMIN ISOL VALVE (BACKWASH INLET W/B VALVE)	TB	775
07	1CVA0237	POL DEMIN ISOL VALVE (DRAIN U/B VALVE)	TB	775
07	1CVA0240	POL DEMIN ISOL VALVE (BACKWASH INLET W/C VALVE)	TB	775
07	1CVA0244	POL DEMIN ISOL VALVE (DRAIN U/C VALVE)	TB	775
07	1CVA0247	POL DEMIN ISOL VALVE (BACKWASH INLET W/D VALVE)	TB	775
07	1CVA0251	POL DEMIN ISOL VALVE (DRAIN U/D VALVE)	TB	775
07	1CVA0254	POL DEMIN ISOL VALVE (BACKWASH INLET W/E VALVE)	TB	775
07	1CVA0258	POL DEMIN ISOL VALVE (DRAIN U/E VALVE)	TB	775
07	1CVA0262	SLURRY TANK ISOLATION VALVE (Z VALVE)	TB	775

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 7 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	1CVA0263	POL DEMIN ISOL VALVE (X VALVE)	TB	775
07	1CVA0264	SLURRY TANK ISOLATION VALVE (L VALVE)	TB	775
07	1CVA0265	SLURRY TANK ISOLATION VALVE (D VALVE)	TB	775
07	1CVA0267	POL DEMIN ISOL VALVE (VR VALVE)	TB	775
07	1CVA0268	POL DEMIN ISOL VALVE (QR VALVE)	TB	775
08	1CVA0391	HOTWELL SUPPLY ISOL TO TDEFW	TB	775
14	1D	600V PPB 1D (FOR PRESSURIZER HEATERS GROUP D BANK 2)	RB	818
01	1DCA	125V DC 1DCA	AB	796
01	1DCB	125V DC 1DCB	AB	796
16	1DIA/INV	120V STATIC INV 1DIA	AB	796
14	1DIA/PPB	125V PPB 1DIA	AB	809
16	1DIB/INV	120V STATIC INV 1DIB	AB	796
14	1DIB/PPB	125V PPB 1DIB	AB	809
16	1DIC/INV	120V STATIC INV 1DIC	AB	796
14	1DIC/PPB	125V PPB 1DIC	AB	809
16	1DID/INV	120V STATIC INV 1DID	AB	796
14	1DID/PPB	125V PPB 1DID	AB	809
14	1DL2/PPB	250V DC 1DL2 PPB	AB	796

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 8 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	1DP	125/250V DC 1DP	TB	796'+6"
20	1EB1	ELECTRICAL BOARD 1EB1	AB	822
20	1EB1-8,EF1-8	ELECTRICAL BOARDS 1EB1-8,EF1-8	AB	822
20	1EB2	ELECTRICAL BOARD 1EB2	AB	822
20	1EB3	ELECTRICAL BOARD 1EB3	AB	822
20	1EB4	ELECTRICAL BOARD 1EB4	AB	822
20	1EF1	ELECTRICAL BOARD 1EF1	AB	822
20	1EF2	ELECTRICAL BOARD 1EF2	AB	822
20	1EHC1	EHC CAB 1EHC1	AB	809
20	1EHC1,2,3	EHC CONTROL CABINET 1EHC1,2,3	AB	809
20	1EHC2	EHC CAB 1EHC2	AB	809
20	1EHC3	EHC CAB 1EHC3	AB	809
20	1EHTC1	EHC TERM CAB 1EHTC1	AB	809
20	1EPSLP1	EPSL PANEL 1EPSLP1	AB	809
20	1EPSLP2	EPSL PANEL 1EPSLP2	AB	809
20	1ESFAS	ESFAS CABINETS	AB	822
20	1ESTC1	ESFAS ODD CH TERM CAB 1ESTC1	AB	809
20	1ESTC1,2	ESFAS CABINETS ESTC1,2	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 9 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	1ESTC2	ESFAS EVEN CH TERM CAB 1ESTC2	AB	809
20	1ESTC2A	ESFAS AUX RLY CAB 1ESTC2A	AB	809
20	1ESTC3	ESFAS EVEN/ODD TERM CAB 1ESTC3	AB	809
00	1FDWFE0153	1A EFW HEADER FLOW	AB	783
00	1FDWFE0154	1B EFW HEADER FLOW	AB	796
18	1FDWFT0129	1A EFW HEADER FLOW	AB	775
18	1FDWFT0130	1B EFW HEADER FLOW	AB	796
18	1FDWFT0153	1A EFW HEADER FLOW TRANSMITTER	AB	783
18	1FDWFT0154	1B EFW HEADER FLOW TRANSMITTER	AB	783
18	1FDWLT0080	SG 1A LEVEL TRANSMITTER	RB	777'+6"
18	1FDWLT0081	SG 1B LEVEL TRANSMITTER	RB	777'+6"
18	1FDWLT0082	SG 1A LEVEL TRANSMITTER	RB	777'+6"
18	1FDWLT0083	SG 1B LEVEL TRANSMITTER	RB	777'+6"
18	1FDWLT008A	LOOP 2A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	1FDWLT010A	LOOP 2B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	1FDWLT051A	LOOP 3A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	1FDWLT052A	LOOP 3B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	1FDWPS0300	1EFPT LOW HYDRAULIC OIL PRESS SWITCH	TB	775

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 10 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	1FDWPS0382	FWP 1B CONTROL OIL PRESS SWITCH	TB	775
18	1FDWPS0383	FWPT 1B CONTROL OIL PRESS LOW	TB	775
18	1FDWPS0384	FWP 1A CONTROL OIL PRESS SWITCH	TB	775
18	1FDWPS0385	FWPT 1B CONTROL OIL PRESS LOW	TB	775
18	1FDWPS0386	MDEFWP 1A DISCH PRESS LOW	TB	775
18	1FDWPS0387	MDEFWP 1A DISCH PRESS LOW	TB	775
18	1FDWPS0388	FWPT 1B DISCH PRESS LOW	TB	775
18	1FDWPS0389	FWPT 1B DISCH PRESS LOW	TB	775
18	1FDWPS1009	MAIN FWP DISCH HDR PRESS SWITCH	TB	775
18	1FDWPS1010	MAIN FWP B DISCHARGE PRESSURE SWITCH	TB	775
18	1FDWPS1011	FWP 1A CONTROL OIL PRESSURE SWITCH	TB	775
18	1FDWPS1012	FWP 1B CONTROL OIL PRESS SWITCH	TB	775
05	1FDWPU0003	TDEFW PUMP	TB	775
05	1FDWPU0004	MDEFW PUMP 1A	TB	775
05	1FDWPU0005	MDEFW PUMP 1B	TB	775
08	1FDWVA0105	SG 1A SAMPLE ISOLATION	RB	808
07	1FDWVA0106	SG 1A SAMPLE ISOLATION	AB	809
08	1FDWVA0107	SG 1B SAMPLE ISOLATION	RB	808

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 1 + Shared Equipment

Page 11 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	1FDWVA0108	SG 1B SAMPLE ISOLATION	AB	809
07	1FDWVA0315	MDEFW PUMP 1A ISOLATION	AB	809
07	1FDWVA0316	MDEFW PUMP 1B ISOLATION	AB	809
08	1FDWVA0347	MDEFW PUMP 1B ISOLATION	AB	822
08	1FDWVA0368	TDEFWP HEADER 1A ISOLATION	TB	775
08	1FDWVA0369	TDEFWP HEADER 1B ISOLATION	TB	775
08	1FDWVA0372	MDEFW PUMP 1A ISOLATION	TB	775
08	1FDWVA0374	STARTUP HEADER ISOLATION	TB	775
08	1FDWVA0382	MDEFW PUMP 1B ISOLATION	TB	775
08	1FDWVA0384	STARTUP HEADER ISOLATION	TB	775
08	1GWDVA0012	QUENCH TANK VENT	RB	797'+6"
07	1GWDVA0013	QUENCH TANK VENT	AB	809
20	1HBP	UNIT 1 HEATER BLANKETING PANEL	TB	822
18	1HDPS0377	1ST STAGE RH PRESS SWITCH	TB	822
18	1HPIEP0002	1HP-31 VALVE POSITIONER (1HP11-E/P)	AB	775
18	1HPIFT0007A	HPI A TRAIN INJ FLOW TRANS	AB	758
18	1HPIFT0008A	HPI B TRAIN INJ FLOW TRANS	AB	758
18	1HPIFT0075	RCP SEAL INJ FLOW TRANSMITTER	AB	783

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 12 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	1HPIFT0101	RC PUMP SEAL INLET FLOW XMTR	AB	783
18	1HPIFT0102	RC PUMP SEAL INLET FLOW XMTR	AB	783
18	1HPIFT0103	RC PUMP SEAL INLET FLOW XMTR	AB	783
18	1HPIFT0104	RC PUMP SEAL INLET FLOW XMTR	AB	783
18	1HPIFT0160	B LOOP INJ FLOW TRANSMITTER	AB	809
18	1HPILT0033P1	LDST LEVEL #1	AB	771
18	1HPILT0033P2	LDST LEVEL #2	AB	771
00	1HPIPS0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783
06	1HPIPU0001	HPI PUMP 1A	AB	758
06	1HPIPU0002	HPI PUMP 1B	AB	758
06	1HPIPU0003	HPI PUMP 1C	AB	758
18	1HPISR0160	HPI CROSSOVER FLOW SQRT EXT B LOOP	AB	809
08	1HPVA0003	LETDOWN ISOLATION	RB	777'+6"
08	1HPVA0004	LETDOWN ISOLATION	RB	777'+6"
07	1HPVA0005	LETDOWN ISOLATION	AB	809
08	1HPVA0020	RCP SEAL RETURN ISOLATION	RB	808
07	1HPVA0021	RCP SEAL RETURN ISOLATION	RB	809
07	1HPVA0022	LDST DRAIN	AB	783

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 13 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1HPVA0023	HPI LDST SUCTION ISOLATION	AB	783
08	1HPVA0024	BWST SUCTION ISOLATION	AB	771
08	1HPVA0025	BWST SUCTION ISOLATION	AB	771
08	1HPVA0026	HPI TRAIN 1A INJECTION	AB	809
08	1HPVA0027	HPI TRAIN 1B (EMERGENCY) INJECTION	AB	809
07	1HPVA0031	RCP SEAL INJ FLOW CONTROL	AB	796
08	1HPVA0098	HPI SUCTION CROSSOVER	AB	758
08	1HPVA0115	HPI DISCH HEADER SEPARATION	AB	758
08	1HPVA0275	RCP SEAL RETURN ISOL VALVE	RB	797'+6"
08	1HPVA0276	RCP SEAL RETURN ISOL VALVE	RB	797'+6"
07	1HPVA0355	HPI AUX SPRAY THROTTLE	AB	809
08	1HPVA0405	ALT LETDOWN BOUNDARY	RB	777'+6"
08	1HPVA0409	HPI CROSSOVER ISOLATION	AB	809
08	1HPVA0410	HPI CROSSOVER ISOLATION	AB	809
08	1HPVA0417	ALT LETDOWN BOUNDARY	RB	777'+6"
08	1HPVA0426	ALT LETDOWN PATH ISOLATION	RB	777'+6"
08	1HPVA0428	ALT LETDOWN PATH ISOLATION	RB	777'+6"
20	1ICCCABA	ICC CABINET A	AB	822

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 14 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	I1CCCBAB	ICC CABINET B	AB	822
20	I1CCMA	UNIT 1 ICCM TRAIN A CABINET	AB	822
20	I1CCMB	UNIT 1 ICCM TRAIN B CABINET	AB	822
20	I1ICS	INTEGRATED CONTROL SYSTEM CABINETS	AB	822
14	1K	600V PPB 1K (FOR PRESSURIZER HEATERS GROUP K BANK 2)	RB	818
14	1KA	120V PPB 1KA	TB	775
14	1KC	120V PPB 1KC	TB	796'+6"
14	1KE	120V PPB 1KE	AB	796
20	1KESP	KEOWEE EM START PANEL	AB	809
14	1KG	120V PPB 1KG	AB	838
14	1KI	120V PPB 1KI	AB	809
16	1KI/INV	STATIC INVERTER 1KI (INCLUDES STATIC XFER SW)	AB	796
14	1KI/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 1KI	AB	796
14	1KI/SW/T	TRANSFER SWITCH 1KI	AB	796
14	1KRA	120V PPB 1KRA	AB	809
14	1KRB	120V PPB 1KRB	AB	809
14	1KSG	208/120V POWER PANELBOARD 1KSG	BH	796
14	1KU	120V PPB 1KU	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 15 of 33

SORTED BY EQUIPMENT ID				
Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
16	1KU/INV	STATIC INVERTER 1KU (INCLUDES STATIC XFER SWITCH)	AB	796
20	1KU/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 1KU	AB	796
20	1KU/SW/T	TRANSFER SWITCH 1KU	AB	796
14	1KVIA	120V PPB 1KVIA	AB	809
14	1KVIB	120V PPB 1KVIB	AB	809
14	1KVIC	120V PPB 1KVIC	AB	809
14	1KVID	120V PPB 1KVID	AB	809
14	1KX	120V PPB 1KX	AB	809
16	1KX/INV	STATIC INVERTER 1KX (INCLUDES STATIC XFER SWITCH)	AB	796
20	1KX/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 1KX	AB	796
20	1KX/SW/T	TRANSFER SWITCH 1KX	AB	796
14	1L2	120V PPB 1L2	AB	771
14	1L21/PPB	125V DC PPB 1L21	AB	822
18	1LPIFT0004P	LPI TRAIN 1B INJ FLOW TRANS (POWERED BY ICCM)	AB	809
18	1LPIFT0005P	LPI TRAIN 1A INJ FLOW TRANS (POWERED BY ICCM)	AB	809
05	1LPIPU0001	1LPI PUMP A	AB	758
05	1LPIPU0002	1LPI PUMP B	AB	758
05	1LPIPU0003	1LPI PUMP C	AB	758

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 16 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
19	1LPITE0209	LPI COOLER 1B OUTLET TEMP (ICS INPUT)	AB	809
19	1LPITE0210	LPI COOLER 1A OUTLET TEMP (ICS INPUT)	AB	771
21	1LPITK0001	BWST	YD	796
18	1LPSEP0022	DECAY HEAT COOLER E/P CONVERTER (1LPSW-251)	TB	775
18	1LPSEP0023	DECAY HEAT COOLER E/P CONVERTER (1LPSW-252)	TB	775
18	1LPSFT0124	LPI COOLER 1A FLOW XMTR (1LPSW-251)	AB	771
18	1LPSFT0125	LPI COOLER 1B FLOW XMTR (1LPSW-252)	AB	771
18	1LPSPS0095	LPSW HEADER PRESSURE	TB	775
18	1LPSPS0096	LPSW HEADER PRESSURE	TB	775
05	1LPSPU0001	LPSW PUMP A	TB	775
05	1LPSPU0002	LPSW PUMP B	TB	775
05	1LPSPU0003	LPSW PUMP C	TB	775
08	1LPSVA0004	LPI COOLER 1A ISOLATION VALVE	AB	783
08	1LPSVA0005	LPI COOLER 1B ISOLATION VALVE	AB	783
08	1LPSVA0016	RBCU 1A SUPPLY VALVE	AB	809
08	1LPSVA0018	RBCU 1A RETURN VALVE	AB	809
08	1LPSVA0019	RBCU 1B SUPPLY VALVE	AB	809
08	1LPSVA0021	RBCU 1B RETURN VALVE	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1LPSVA0022	RBCU 1C SUPPLY VALVE	AB	809
08	1LPSVA0024	RBCU 1C RETURN VALVE	AB	809
08	1LPSVA0137	TDEFW ISOLATION VALVE	TB	775
07	1LPSVA0251	LPI COOLER 1A CONTROL VALVE	TB	775
07	1LPSVA0252	LPI COOLER 1B CONTROL VALVE	TB	775
08	1LPSVA0284	CONT VAC PRIMING ISOL VALVE	TB	775
08	1LPSVA0290	CONT VAC PRIMING ISOL VALVE	TB	775
07	1LPSVA0516	EFW PUMP 1A LPSW ISOLATION VALVE	TB	775
07	1LPSVA0525	EFW PUMP 1B LPSW ISOLATION VALVE	TB	775
08	1LPSVA0565	RB AUX COOLERS SUPPLY VALVE	RB	797'+6"
08	1LPSVA0566	RBCU 3B INLET VALVE	RB	797'+6"
08	1LPVA0001	LPI DROPLINE ISOL FROM RCS	RB	797'+6"
08	1LPVA0002	LPI DROPLINE ISOL FROM RCS	RB	797'+6"
08	1LPVA0003	LPI HOT LEG SUCTION	AB	809
08	1LPVA0005	LPI PUMP 1A SUCTION	AB	758
08	1LPVA0006	LPI SUCTION CROSSOVER	AB	758
08	1LPVA0007	LPI SUCTION CROSSOVER	AB	758
08	1LPVA0008	LPI PUMP 1B SUCTION	AB	758

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 18 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1LPVA0009	LPI CROSSOVER	AB	758
08	1LPVA0010	LPI CROSSOVER	AB	758
08	1LPVA0011	LPI COOLER 1A ISOLATION	AB	771
08	1LPVA0012	LPI COOLER 1A ISOLATION	AB	771
08	1LPVA0013	LPI COOLER 3B ISOLATION	AB	771
08	1LPVA0014	LPI COOLER 1B ISOLATION	AB	771
08	1LPVA0015	LPI TO HPI/RBS PIGGYBACK TRAIN 1A	AB	771
08	1LPVA0016	LPI TO HPI/RBS PIGGYBACK TRAIN 1B	AB	771
08	1LPVA0017	LPI TRAIN 1A INJECTION ISOLATION	AB	809
08	1LPVA0018	LPI TRAIN 1B INJECTION ISOLATION	AB	809
08	1LPVA0019	RB EM SUMP SUCTION	AB	758
08	1LPVA0020	RB EM SUMP SUCTION	AB	758
08	1LPVA0021	BWST SUCTION ISOLATION	AB	771
08	1LPVA0022	BWST SUCTION ISOLATION	AB	771
08	1LPVA0069	LPI SWITCHOVER FLOW CONTROL	AB	758
08	1LPVA0103	BORON DILUTION ISOLATION	RB	797'+6"
08	1LPVA0104	BORON DILUTION ISOLATION	RB	797'+6"
08	1LPVA0105	BORON DILUTION ISOLATION	RB	777'+6"

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1LPVA0126	LPI POST ACCIDENT SAMPLE ISOL	AB	758
18	1MC-20	INSTRUMENT RACK 1MC-M20	TB	796'+6"
18	1MC-D24	INSTRUMENT RACK 1MC-D24	TB	775
18	1MC-E16	INSTRUMENT RACK 1MC-E16	TB	796'+6"
18	1MC-E25	INSTRUMENT RACK 1MC-E25	TB	775
18	1MC-F15	INSTRUMENT RACK 1MC-F15	TB	796'+6"
20	1MFBMRP	MAIN FDR BUS MONITOR RLY PANEL	AB	809
18	1MSPS0086	MAIN STEAM PRESS SWITCH (1MS-19)	TB	796'+6"
18	1MSPS0087	MAIN STEAM PRESS SWITCH (1MS-22)	TB	796'+6"
18	1MSPS0088	MAIN STEAM PRESS SWITCH (1MS-28)	TB	796'+6"
18	1MSPS0089	MAIN STEAM PRESS SWITCH (1MS-31)	TB	796'+6"
18	1MSPT0024P	SG 1A PRESSURE	RB	825
18	1MSPT0025P	SG 1A PRESSURE	RB	825
18	1MSPT0026P	SG 1B PRESSURE	RB	825
18	1MSPT0027P	SG 1B PRESSURE	RB	825
00	1MSPY0042	UNIT 1 UPS (1MSSS0042 - 1MS-87)	AB	796
08	1MSVA0017	TURBINE BYPASS ISOLATION	TB	796'+6"
07	1MSVA0019	TURBINE BYPASS VALVE	TB	796'+6"

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	1MSVA0022	TURBINE BYPASS VALVE	TB	796'+6"
08	1MSVA0024	AS ISOLATION	TB	796'+6"
08	1MSVA0026	TURBINE BYPASS ISOLATION	TB	796'+6"
07	1MSVA0028	TURBINE BYPASS VALVE	TB	796'+6"
07	1MSVA0031	TURBINE BYPASS VALVE	TB	796'+6"
08	1MSVA0033	AS ISOLATION	TB	796'+6"
08	1MSVA0035	FWPT ISOLATION	TB	796'+6"
08	1MSVA0036	FWPT ISOLATION	TB	796'+6"
08	1MSVA0040	FWPT STOP VALVE	TB	775
08	1MSVA0043	FWPT STOP VALVE	TB	775
08	1MSVA0047	MS TO CSAE	TB	796'+6"
08	1MSVA0076	MS RH ISOLATION	TB	796'+6"
08	1MSVA0077	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	1MSVA0078	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	1MSVA0079	MS RH ISOLATION	TB	796'+6"
08	1MSVA0080	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	1MSVA0081	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	1MSVA0082	TDEFW STEAM SUPPLY	TB	796'+6"

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1MSVA0084	TDEFW STEAM SUPPLY	TB	796'+6"
07	1MSVA0087	TDEFW MS ISOLATION VALVE	TB	796'+6"
07	1MSVA0093	TDEFW MS ISOLATION VALVE	TB	775
07	1MSVA0094	EFW TURBINE STOP VALVE	TB	775
08	1MSVA0095	TDEFW CONTROL VALVE	TB	775
07	1MSVA0102	TURBINE STOP VALVE	TB	796'+6"
07	1MSVA0103	TURBINE STOP VALVE	TB	796'+6"
07	1MSVA0104	TURBINE STOP VALVE	TB	796'+6"
07	1MSVA0105	TURBINE STOP VALVE	TB	796'+6"
07	1MSVA0106	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	1MSVA0107	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	1MSVA0108	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	1MSVA0109	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	1MSVA0112	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
07	1MSVA0126	MS TO AS CONTROL VALVE	TB	796'+6"
07	1MSVA0129	MS TO AS CONTROL VALVE	TB	796'+6"
07	1MSVA0173	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
20	1MTC1	MISC TERM CAB 1MTC1	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 1 + Shared Equipment

Page 22 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	1MTC1,2,3,4	MISCELLANEOUS TERMINAL CABINETS (1MTC'S)	AB	809
20	1MTC2	MISC TERM CAB 1MTC2	AB	809
20	1MTC3	MISC TERM CAB 1MTC3	AB	809
20	1MTC4	MISC TERM CAB 1MTC4	AB	809
01	1MVC2	250V DC MCC 1MVC2	TB	775
01	1MVC3	250V DC MCC 1MVC3	TB	775
16	1PA/BC	PWR BATT CHGR 1PA	TB	796'+6"
18	1PAMLT0090	RB CONTAINMENT WATER LEVEL TRAIN A	RB	777'+6"
18	1PAMLT0091	RB CONTAINMENT WATER LEVEL TRAIN B	RB	777'+6"
20	1PASCP	POST ACCIDENT SAMPLE CONT PANEL (IRC-179)	AB	771
16	1PB/BC	PWR BATT CHGR 1PB	TB	796'+6"
18	1PIR	UNIT 1 PNEUMATIC INSTR RACK	AB	809
08	1PRVA0007	RB HYDROGEN PURGE INLET	RB	825
07	1PRVA0008	RB HYDROGEN PURGE INLET	AB	809
08	1PRVA0009	RB HYDROGEN PURGE OUTLET	RB	816'+9"
07	1PRVA0010	RB HYDROGEN PURGE OUTLET	AB	809
08	1PRVA0059	RB HYDROGEN PURGE INLET	RB	825
08	1PRVA0060	RB HYDROGEN PURGE OUTLET	RB	816'+9"

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 23 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	1PS155-1B/PS100-A	PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	TB	822
18	1PS156-1B/PS100-B	PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	TB	822
18	1PS157AB	LOW HYDRAULIC PRESSURE SWITCH	TB	775
09	1RBCAH0020A	RBCU FAN 1A	RB	825
09	1RBCAH0020B	RBCU FAN 1B	RB	825
09	1RBCAH0020C	RBCU FAN 1C	RB	825
00	1RBCDA000A	RBC DAMPER 1A	RB	825
00	1RBCDA000B	RBC DAMPER 1B	RB	825
00	1RBCDA000C	RBC DAMPER 1C	RB	825
00	1RCHE0002	U1 PRZ HEATERS BANK 2	RB	818
18	1RCLT0004P1	PRZ LEVEL TRANSMITTER	RB	797'+6"
18	1RCLT0004P3	PRZ LEVEL TRANSMITTER	RB	797'+6"
18	1RCLT0123	1A RCS HOT LEG LVL (ICCM A)	RB	809
18	1RCLT0124	1B RCS HOT LEG LVL (ICCM B)	RB	809
18	1RCLT0125	RV HEAD LEVEL (ICCM A)	RB	809
18	1RCLT0126	RV HEAD LEVEL (ICCM B)	RB	809
18	1RCMT0101	WR RCS PRESS TRAIN A (ICCM)	AB	809
18	1RCMT0102	WR RCS PRESS TRAIN B (ICCM)	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 24 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	1RCPS0364	RC PRESS SWITCH	RB	825
18	1RCPT0017P	RCS LOOP A PRESS TRANS	RB	825
18	1RCPT0021P	RC PRESS XMTR (ES CH A)	RB	825
18	1RCPT0022P	RC PRESS XMTR (ES CH B)	RB	825
18	1RCPT0023P	RC PRESS XMTR (ES CH C)	RB	825
18	1RCPT0166P	RCS LOOP B PRESS TRANS	RB	825
18	1RCPT0244	WR RCS PRESS TRAIN A (ICCM)	AB	809
18	1RCPT0245	WR RCS PRESS TRAIN B (ICCM)	AB	809
19	1RCRD0005B	A2 COLD LEG RTD	RB	797'+6"
19	1RCRD0006A	A1 COLD LEG RTD	RB	797'+6"
19	1RCRD0007B	B2 COLD LEG RTD	RB	797'+6"
19	1RCRD0008A	B1 COLD LEG RTD	RB	797'+6"
19	1RCRD0043A	PRZ RTD	RB	797'+6"
19	1RCRD0043B	PRZ RTD	RB	797'+6"
19	1RCRD0084B	A HOT LEG RTD	RB	844'+6"
19	1RCRD0085B	B HOT LEG RTD	RB	844'+6"
08	1RCVA0003	PRZ SPRAY ISOLATION	RB	850
08	1RCVA0004	PRZ PORV BLOCK VALVE	RB	850

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 25 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	IRCVA0005	PRZ STEAM SAMPLE ISOLATION	RB	810
08	IRCVA0006	PRZ WATER SAMPLE ISOLATION	RB	810
08	IRCVA0007	PRZ WATER SAMPLE ISOLATION	AB	809
08	IRCVA0066	PRZ PORV	RB	850
08	IRCVA0155	RCS HOT LEG 1A VENT	RB	825
08	IRCVA0157	RCS HOT LEG 1B VENT	RB	825
08	IRCVA0159	RV VENT ISOLATION	RB	844'+6"
08	IRCVA0160	RV VENT ISOLATION	RB	844'+6"
08	IRCVA0162	POST ACC SAMPLE PATH ISOL	RB	777'+6"
08	IRCVA0163	POST ACC SAMPLE PATH ISOL	RB	777'+6"
08	IRCVA0164	POST ACC SAMPLE PATH ISOL	AB	758
08	IRCVA0165	POST ACC SAMPLE PATH ISOL	AB	758
07	IRCVA0179	POST ACC SAMPLE THROTTLE	AB	758
20	IRPS	UNIT 1 RPS CABINETS	AB	822
14	IRSC-ICCW-287/ENCL	REMOTE STARTER ENCLOSURE FOR ICCW-287	SSF	758
14	IRSC-IFDW-368/ENCL	REMOTE STARTER ENCLOSURE FOR IFDW-368	AB	809
14	IRSC-IFDW-369/ENCL	REMOTE STARTER ENCLOSURE FOR IFDW-369	AB	809
14	IRSC-IFDW-372/ENCL	REMOTE STARTER ENCLOSURE FOR IFDW-372	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 26 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
14	1RSC-1FDW-374/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-374	AB	809
14	1RSC-1FDW-382/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-382	AB	809
14	1RSC-1FDW-384/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-384	AB	809
14	1RSC-1HP-409/ENCL	REMOTE STARTER ENCLOSURE FOR 1HP-409	AB	796
14	1RSC-1HP-410/ENCL	REMOTE STARTER ENCLOSURE FOR 1HP-410	AB	796
14	1RSC-1LPSW-565/ENCL	REMOTE STARTER ENCLOSURE FOR 1LPSW-565	AB	796
14	1RSC-1LPSW-566/ENCL	REMOTE STARTER ENCLOSURE FOR 1LPSW-566	AB	796
14	1RSC-1PR-59/ENCL	REMOTE STARTER ENCLOSURE FOR 1PR-59	AB	809
14	1RSC-1PR-60/ENCL	REMOTE STARTER ENCLOSURE FOR 1PR-60	AB	809
20	1SCWP	UNIT 1 STATOR COOLING WATER PANEL	TB	775
21	1SFTK0002	INCORE INST HANDLING TANK	RB	816'+6"
20	1SGFP	SG FWP PANEL	TB	775
20	1SGLC	STEAM GEN LOGIC CABINET	AB	809
14	1SKJ	120V PPB 1SKJ	AB	809
14	1SKK	120V PPB 1SKK	AB	809
14	1SKL	120V PPB 1SKL	AB	809
20	1SL-5	CRD SYSTEM LOGIC CAB 5	AB	809
20	1SL-6	CRD SYSTEM LOGIC CAB 6	AB	809

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 1 + Shared Equipment

Page 27 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	1SSHVA0001	STEAM SEAL HEADER ISOLATION	TB	796'+6"
08	1SSHVA0003	STEAM SEAL HEADER ISOLATION	TB	796'+6"
20	1TB-111	TERM BOX 111	YD	796
20	1TB-112	TERM BOX 112	YD	796
20	1TBATWS1	ATSW TERM BOX 1	AB	809
20	1TBATWS2	ATSW TERM BOX 2	AB	809
03	1TC	4KV SWGR 1TC	TB	796'+6"
20	1TCPA	TURB CONT PANEL 1TCPA	TB	796'+6"
03	1TD	4KV SWGR 1TD	TB	796'+6"
20	1TDC3	TRANSDUCER CAB 1TDC3	AB	809
03	1TE	4KV SWGR 1TE	TB	796'+6"
18	1TE1602(Typical)	CORE EXIT THERMOCOUPLE 1TE1602	RB	---
18	1TE1607(Typical)	CORE EXIT THERMOCOUPLE 1TE1607	RB	---
18	1TOPS0176B	FWPT 1A BEARING OIL PRESS LOW	TB	775
18	1TOPS0192B	FWPT 1B BEARING OIL PRESS LOW	TB	775
05	1TOPU0022	EFWPT AUX OIL PUMP	TB	775
20	1TTC6	TURB TERM CAB 1TTC6	TB	796'+6"
20	1UB1	CONTROL BOARD 1UB1	AB	822

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 28 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	1UB1,2;1AB1	CONTROL BOARDS 1UB1,2,AB1	AB	822
20	1UB2	CONTROL BOARD 1UB2	AB	822
20	1VB1	CONTROL BOARD 1VB1	AB	822
20	1VB1,2,3	CONTROL BOARDS 1VB1,2,3	AB	822
20	1VB2	CONTROL BOARD 1VB2	AB	822
20	1VB3	CONTROL BOARD 1VB3	AB	822
10	1VSAH-B1T-EV-A	B1T & B2T ENCLOSURE VENT FAN A	BH	796
10	1VSAH-B1T-EV-B	B1T & B2T ENCLOSURE VENT FAN B	BH	796
10	1VSAH-CT4-EV-A	CT4 ENCLOSURE VENT FAN A	BH	796
10	1VSAH-CT4-EV-B	CT4 ENCLOSURE VENT FAN B	BH	796
10	1VSAH0011	AHU-11	AB	838
10	1VSAH0012	AHU-12	AB	838
09	1VSAH0026	OUTSIDE AIR BOOSTER FAN 'A' (F-22)	AB	838
09	1VSAH0027	OUTSIDE AIR BOOSTER FAN 'B'(F-23)	AB	838
08	1VVA0186	COND VACUUM BREAKER	TB	796'+6"
02	1X01	600V LC 1X01	TB	796'+6"
02	1X02	600V LC 1X02	TB	796'+6"
02	1X04	600V LC 1X04	TB	796'+6"

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 29 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
02	1X05	600V LC 1X05	TB	796'+6"
02	1X06	600V LC 1X06	TB	796'+6"
02	1X07	600V LC 1X07	TB	796'+6"
02	1X08	600V LC 1X08	AB	796
02	1X09	600V LC 1X09	AB	796
01	1XA	MCC 1XA	TB	796'+6"
01	1XA(208V)	208V MCC 1XA	TB	796'+6"
01	1XA(600V)	600V MCC 1XA	TB	796'+6"
01	1XA-A	208V MCC 1XA-A	TB	796'+6"
01	1XB	600V MCC 1XB	TB	775
01	1XC	MCC 1XC	TB	775
01	1XC(208V)	208V MCC 1XC	TB	775
01	1XC(600V)	600V MCC 1XC	TB	775
01	1XGA	1XGA	TB	796'+6"
01	1XGA(208V)	208V MCC 1XGA	TB	796'+6"
01	1XGA(600V)	600V MCC 1XGA	TB	796'+6"
01	1XGB	MCC 1XGB	TB	796'+6"
01	1XGB(208V)	208V MCC 1XGB	TB	796'+6"

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	1XGB(600V)	600V MCC 1XGB	TB	796'+6"
01	1XI(600V)	600V MCC 1XI	AB	809
01	1XJ(600V)	600V MCC 1XJ	AB	809
01	1XK	600V MCC 1XK	AB	809
01	1XL	MCC 1XL	AB	771
01	1XL(208V)	208V MCC 1XL	AB	771
01	1XL(600V)	600V MCC 1XL	AB	771
01	1XN	MCC 1XN	AB	771
01	1XN(208V)	208V MCC 1XN	AB	771
01	1XN(600V)	600V MCC 1XN	AB	771
01	1XO	MCC 1XO	AB	796
01	1XO(208V)	208V MCC 1XO	AB	796
01	1XO(600V)	600V MCC 1XO	AB	796
01	1XP	MCC 1XP	AB	796
01	1XP(208V)	208V MCC 1XP	AB	796
01	1XP(600V)	600V MCC 1XP	AB	796
01	1XR	MCC 1XR	AB	838
01	1XR(208V)	208V MCC 1XR	AB	838

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 1 + Shared Equipment

Page 31 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	1XR(600V)	600V MCC 1XR	AB	838
01	1XS1	MCC 1XS1	AB	796
01	1XS1(208V)	208V MCC 1XS1	AB	796
01	1XS1(600V)	600V MCC 1XS1	AB	796
01	1XS2	MCC 1XS2	AB	796
01	1XS2(208V)	208V MCC 1XS2	AB	796
01	1XS2(600V)	600V MCC 1XS2	AB	796
01	1XS3	MCC 1XS3	AB	796
01	1XS3(208V)	208V MCC 1XS3	AB	796
01	1XS3(600V)	600V MCC 1XS3	AB	796
01	1XSF(208V)	MCC 1XSF(208V)	SSF	817
01	1XSF(600V)	MCC 1XSF(600V)	SSF	817
01	1XSF-1(208V)	MCC 1XSF-1 (208V)	SSF	797
10	AHU11&12CONPNL	AIR HANDLING UNITS 11 & 12 CONTROL PANEL	AB	838
02	ASWS	AUX SERV WATER SWGR (4160V) (1TD-0)	AB	771
03	B1T	4KV SWGR B1T	BH	796
03	B2T	4KV SWGR B2T	BH	796
08	CCWVA0008	EM DISCHARGE VALVE	YD	730

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

Page 32 of 33

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
04	CT-1	XFMR CT-1	YD	796
04	CT-4	XFMR CT-4	YD	796
04	CT-5	XFMR CT-5	YD	796
14	CT4FSC	CT4 FAN SPEED CABINET	BH	796
14	KSFC/PPB	120V PPB KSFC	SSF	777
08	LPSVA0001	LPSW PUMP A SUCTION ISOL VALVE	TB	775
08	LPSVA0002	LPSW PUMP B SUCTION ISOL VALVE	TB	775
08	LPSVA0003	LPSW PUMP C SUCTION ISOL VALVE	TB	775
08	LPSVA0139	NONESSENTIAL HEADER ISOLATION VALVE	TB	775
18	NI/U1	UNIT 1 NUCLEAR INSTRUMENTATION	RB	N/A
20	PHC/SSF	PZR HEATER CAB (SSF)	SSF	777
18	RPIAMP-A01/U1(Typical)	ROD POSITION AMPLIFIER A01	AB	809
14	RSC-1KSG-01/ENCL	REMOTE STARTER CABINET FOR 1KSG-01 BH		796
14	RSC-1KSG-02/ENCL	REMOTE STARTER CABINET FOR 1KSG-02 BH		796
14	RSC-1KSG-03/ENCL	REMOTE STARTER CABINET FOR 1KSG-03 BH		796
14	RSC-1KSG-04/ENCL	REMOTE STARTER CABINET FOR 1KSG-04 BH		796
20	SSF/IC1	SSF EOC SYS INTERCONN CAB IC1	SSF	797
20	SSF/IC2	SSF EOC SYS INTERCONN CAB IC2	SSF	797

Table 4-1-01

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	SSFCP	SSF CONTROL PANEL	SSF	797
01	XOD1(208V)	208V MCC XOD1	YD	796
01	XOD2A(208V)	208V MCC XOD2A	YD	796
01	XSF(600V)	MCC XSF(600V)	SSF	777
01	XSF-1(1,2,&3)	MCC XSF-1(1,2&3)(208V)	SSF	797

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 1 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
14	2A/2B/SW	2A/2B REG XFER SW	AB	796
14	2A/MCB	240/120V 2A REGULATOR OUTPUT BKR	AB	796
00	2A/REG	REGULATED PWR SUPP REG 2A	AB	796
20	2AB1	CONTROL BOARD 2AB1	AB	822
20	2AB3	CONTROL BOARD 2AB3	AB	822
20	2ADA	ISOL DIODE ASSEMBLY 2ADA	AB	796
20	2ADB	ISOL DIODE ASSEMBLY 2ADB	AB	796
20	2ADC	ISOL DIODE ASSEMBLY 2ADC	AB	796
20	2ADD	ISOL DIODE ASSEMBLY 2ADD	AB	796
20	2ADE	ISOL DIODE ASSEMBLY 2ADE	AB	796
20	2ADF	ISOL DIODE ASSEMBLY 2ADF	AB	796
20	2ADG	ISOL DIODE ASSEMBLY 2ADG	AB	796
20	2ASP	AUX SHUTDOWN PANEL	TB	822
18	2ASPT0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	TB	796'+6"
20	2AT3	AREA TERM CAB 2AT3	AB	809
20	2AT8	AREA TERM CAB 2AT8	AB	809
18	2ATBOXEH	FWP 2A TERMINAL BOX EH	TB	775
20	2ATWSCP	U2 ATWS CONTROL PANEL	AB	838

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 2

Page 2 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
14	2B	600V PPB 2B (FOR PRESSURIZER HEATERS GROUP 2B BANK 2)	RB	800
14	2B/MCB	240/120V 2B REGULATOR OUTPUT BKR	AB	796
00	2B/REG	REGULATED PWR SUPP REG 2B	AB	796
18	2BSPS0018	RB PRESS SWITCH (ES CH 2A)	AB	809
18	2BSPS0019	RB PRESS SWITCH (ES CH 2A)	AB	809
18	2BSPS0020	RB PRESS SWITCH (ES CH 2B)	AB	809
18	2BSPS0021	RB PRESS SWITCH (ES CH 2B)	AB	809
18	2BSPS0022	RB PRESS SWITCH (ES CH 2C)	AB	809
18	2BSPS0023	RB PRESS SWITCH (ES CH 2C)	AB	809
18	2BSPT0004P	RB PRESS XMTR (ES CH 2A)	AB	809
18	2BSPT0005P	RB PRESS XMTR (ES CH 2B)	AB	809
18	2BSPT0006P	RB PRESS XMTR (ES CH 2C)	AB	809
08	2BSVA0001	RB SPRAY HEADER 2A ISOLATION	AB	809
08	2BSVA0002	RB SPRAY HEADER 2B ISOLATION	AB	809
08	2BSVA0003	RBS PUMP SUCTION ISOL	AB	758
08	2BSVA0004	RBS PUMP SUCTION ISOL	AB	758
18	2BTBOXEH	FWP 2B TERMINAL BOX EH	TB	775
14	2C	600V PPB 2C (FOR PRESSURIZER HEATERS GROUP 2C BANK 2)	RB	818

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 3 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
16	2CA/BC	CONTROL BATT CHGR 2CA	AB	796
20	2CAP	CHEMICAL ADDITION PANEL	AB	771
16	2CB/BC	CONTROL BATT CHGR 2CB	AB	796
00	2CCD000A	CONDENSER 2A	TB	775
00	2CCD000B	CONDENSER 2B	TB	775
00	2CCD000C	CONDENSER 2C	TB	775
21	2CCTK0001	COMP COOLING SURGE TANK	AB	838
06	2CCWPU0001	CCW PUMP 2A	YD	810'+6"
06	2CCWPU0002	CCW PUMP 2B	YD	810'+6"
06	2CCWPU0003	CCW PUMP 2C	YD	810'+6"
06	2CCWPU0004	CCW PUMP 2D	YD	810'+6"
05	2CCWPU0024	EFWPT OIL COOLER PUMP	TB	775
08	2CCWVA0010	DISCH ISOL VALVE	YD	796
08	2CCWVA0011	DISCH ISOL VALVE	YD	796
08	2CCWVA0012	DISCH ISOL VALVE	YD	796
08	2CCWVA0013	DISCH ISOL VALVE	YD	796
08	2CCWVA0026	CCW VENT VALVE	YD	771
08	2CCWVA0027	CCW VENT VALVE	YD	771

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 4 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	2CCWVA0028	CCW VENT VALVE	YD	771
08	2CCWVA0029	CCW VENT VALVE	YD	771
08	2CCWVA0269	CROSSOVER ISOLATION TO A	AB	771
08	2CCWVA0287	SSF ISOL VALVE	SSF	754
21	2CFTK000A	CORE FLOOD TANK 2A	RB	797'+6"
21	2CFTK000B	CORE FLOOD TANK 2B	RB	818
18	2CLT0015A	UST 2B LEVEL	TB	838
18	2CLT0036	UST 2A LEVEL	TB	838
18	2CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)	TB	838
18	2CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)	TB	838
18	2CPS0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775
06	2CPU0010	HOTWELL PUMP 2A	TB	775
06	2CPU0011	HOTWELL PUMP 2B	TB	775
06	2CPU0012	HOTWELL PUMP 2C	TB	775
02	2CRDACBKRCAB	CRD SYSTEM AC BKR CAB	AB	809
20	2CRDDCBKRCAB	CRD SYSTEM DC BKR CAB	AB	809
20	2CRDLC	CONTROL ROD DRIVE LOGIC CABINETS	AB	809
08	2CSVA0005	QUENCH TANK DRAIN	RB	777'+6"

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 2

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	2CSVA0006	QUENCH TANK DRAIN	AB	758
08	2CVA0152	UST RISER ISOLATION	TB	777
08	2CVA0153	UST RISER ISOLATION	TB	777
08	2CVA0156	UST RISER ISOLATION	TB	777
08	2CVA0158	UST RISER ISOLATION	TB	777
08	2CVA0160	UST SUPPLY ISO TO TDEFWP	TB	777
07	2CVA0176	UST TO COND ISOL VALVE	TB	775
07	2CVA0187	UST TO COND ISOL VALVE	TB	775
07	2CVA0192	UST TO COND ISOL VALVE	TB	775
07	2CVA0225	POL DEMIN ISOL VALVE (BACKWASH INLET W/A VALVE)	TB	777
07	2CVA0232	POL DEMIN ISOL VALVE (DRAIN U/A VALVE)	TB	777
07	2CVA0233	POL DEMIN ISOL VALVE (BACKWASH INLET W/B VALVE)	TB	777
07	2CVA0237	POL DEMIN ISOL VALVE (DRAIN U/B VALVE)	TB	777
07	2CVA0240	POL DEMIN ISOL VALVE (BACKWASH INLET W/C VALVE)	TB	777
07	2CVA0244	POL DEMIN ISOL VALVE (DRAIN U/C VALVE)	TB	777
07	2CVA0247	POL DEMIN ISOL VALVE (BACKWASH INLET W/D VALVE)	TB	777
07	2CVA0251	POL DEMIN ISOL VALVE (DRAIN U/D VALVE)	TB	777
07	2CVA0254	POL DEMIN ISOL VALVE (BACKWASH INLET W/E VALVE)	TB	777

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 6 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	2CVA0258	POL DEMIN ISOL VALVE (DRAIN U/E VALVE)	TB	777
07	2CVA0262	SLURRY TANK ISOLATION VALVE (Z VALVE)	TB	777
07	2CVA0263	POL DEMIN ISOL VALVE (X VALVE)	TB	777
07	2CVA0264	SLURRY TANK ISOLATION VALVE (L VALVE)	TB	777
07	2CVA0265	SLURRY TANK ISOLATION VALVE (D VALVE)	TB	777
07	2CVA0267	POL DEMIN ISOL VALVE (VR VALVE)	TB	777
07	2CVA0268	POL DEMIN ISOL VALVE (QR VALVE)	TB	777
08	2CVA0391	HOTWELL SUPPLY ISOL TO TDEFW	TB	775
14	2D	600V PPB 2D (FOR PRESSURIZER HEATERS GROUP 2D BANK 2)	RB	818
01	2DCA	125V DC 2DCA	AB	796
01	2DCB	125V DC 2DCB	AB	796
16	2DIA/INV	120V STATIC INV 2DIA	AB	796
14	2DIA/PPB	125V DC PPB 2DIA	AB	809
16	2DIB/INV	120V STATIC INV 2DIB	AB	796
14	2DIB/PPB	125V DC PPB 2DIB	AB	809
16	2DIC/INV	120V STATIC INV 2DIC	AB	796
14	2DIC/PPB	125V DC PPB 2DIC	AB	809
16	2DID/INV	120V STATIC INV 2DID	AB	796

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 2

Page 7 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
14	2DID/PPB	125V DC PPB 2DID	AB	809
14	2DL2/PPB	250V DC PPB 2DL2	AB	796
01	2DP	125/250V DC 2DP	TB	796'+6"
20	2EB1	ELECTRICAL BOARD 2EB1	AB	822
20	2EB1-8,EF1-8	ELECTRICAL BOARDS 2EB1-8,EF1-8	AB	822
20	2EB2	ELECTRICAL BOARD 2EB2	AB	822
20	2EB3	ELECTRICAL BOARD 2EB3	AB	822
20	2EB4	ELECTRICAL BOARD 2EB4	AB	822
20	2EF1	ELECTRICAL BOARD 2EF1	AB	822
20	2EF2	ELECTRICAL BOARD 2EF2	AB	822
20	2EHC1	EHC CAB 2EHC1	AB	809
20	2EHC1,2,3	EHC CONTROL CABINET 2EHC1,2,3	AB	809
20	2EHC2	EHC CAB 2EHC2	AB	809
20	2EHC3	EHC CAB 2EHC3	AB	809
20	2EHTC1	EHC TERM CAB 2EHTC1	AB	809
20	2EHTC2	EHC TERM CAB 2EHTC2	AB	809
20	2EPSLP1	EPSL PANEL 2EPSLP1	AB	809
20	2EPSLP2	EPSL PANEL 2EPSLP2	AB	809

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 8 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	2ESFAS	UNIT 2 ESFAS CABINETS	AB	822
20	2ESTC1	ESFAS ODD CH TERM CAB 2ESTC1	AB	809
20	2ESTC1,2,3	ESFAS CABINETS ESTC1,2,3	AB	809
20	2ESTC2	ESFAS EVEN CH TERM CAB 2ESTC2	AB	809
20	2ESTC2A	ESFAS AUX RLY CAB 2ESTC2A	AB	809
20	2ESTC3	ESFAS EVEN/ODD TERM CAB 2ESTC3	AB	809
00	2FDWFE0153	2A EFW HEADER FLOW	AB	783
00	2FDWFE0154	2B EFW HEADER FLOW	AB	783
18	2FDWFT0129	2A EFW HEADER FLOW	AB	775
18	2FDWFT0130	2B EFW HEADER FLOW	AB	775
18	2FDWFT0153	2A EFW HEADER FLOW TRANSMITTER	AB	783
18	2FDWFT0154	2B EFW HEADER FLOW TRANSMITTER	AB	783
18	2FDWLT0080	SG 2A LEVEL TRANSMITTER	RB	777'+6"
18	2FDWLT0081	SG 2B LEVEL TRANSMITTER	RB	777'+6"
18	2FDWLT0082	SG 2A LEVEL TRANSMITTER	RB	777'+6"
18	2FDWLT0083	SG 2B LEVEL TRANSMITTER	RB	777'+6"
18	2FDWLT008A	LOOP 2A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	2FDWLT010A	LOOP 2B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 9 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	2FDWLT051A	LOOP 3A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	2FDWLT052A	LOOP 3B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	2FDWPS0300	2EFPT LOW HYDRAULIC OIL PRESS SWITCH	TB	775
18	2FDWPS0382	FWP 2B CONTROL OIL PRESS SWITCH	TB	775
18	2FDWPS0383	FWPT 2A CONTROL OIL PRESS SWITCH	TB	775
18	2FDWPS0384	FWP 2A CONTROL OIL PRESS SWITCH	TB	775
18	2FDWPS0385	FWP 2B CONTROL OIL PRESS SWITCH	TB	775
18	2FDWPS0386	MDEFWP 2A DISCH PRESS SWITCH	TB	775
18	2FDWPS0387	MDEFWP 2A DISCH PRESS SWITCH	TB	775
18	2FDWPS0388	FWPT 2B DISCH PRESS LOW	TB	775
18	2FDWPS0389	FWPT 2B DISCH PRESS LOW	TB	775
18	2FDWPS1009	MAIN FWP DISCH PRESS SWITCH (2MS-93)	TB	775
18	2FDWPS1010	MAIN FWP DISCH PRESS SWITCH (2MS-93)	TB	775
18	2FDWPS1011	FWP 2A DISCH HDR PRESS SWITCH	TB	775
18	2FDWPS1012	MAIN FWP 2B DISCH HDR PRESS SWITCH	TB	775
05	2FDWPU0003	TDEFW PUMP	TB	775
05	2FDWPU0004	MDEFW PUMP 2A	TB	775
05	2FDWPU0005	MDEFW PUMP 2B	TB	775

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 2

Page 10 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	2FDWVA0105	SG 2A SAMPLE ISOLATION	RB	797'+6"
07	2FDWVA0106	SG 2A SAMPLE ISOLATION	AB	809
08	2FDWVA0107	SG 2B SAMPLE ISOLATION	RB	797'+6"
07	2FDWVA0108	SG 2B SAMPLE ISOLATION	AB	809
07	2FDWVA0315	MDEFW PUMP 2A ISOLATION	AB	809
07	2FDWVA0316	MDEFW PUMP 2B ISOLATION	AB	809
08	2FDWVA0347	MDEFW PUMP 2B ISOLATION	AB	825
08	2FDWVA0368	TDEFW TO HEADER A	TB	775
08	2FDWVA0369	TDEFW TO HEADER B	TB	775
08	2FDWVA0372	MDEFW PUMP 2A ISOLATION	TB	775
08	2FDWVA0374	STARTUP HEADER ISOL	TB	775
08	2FDWVA0382	MDEFW PUMP 2B ISOLATION	TB	775
08	2FDWVA0384	STARTUP HEADER ISOL	TB	775
08	2GWDVA0012	QUENCH TANK VENT	RB	797'+6"
07	2GWDVA0013	QUENCH TANK VENT	AB	809
20	2HBP	UNIT 2 HEATER BLANKETING PANEL	TB	822
18	2HDPS0377	1ST STAGE RH PRESS SWITCH	TB	822
18	2HPIEP0002	RCP SEAL INJECTION FLOW	AB	775

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 11 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	2HPIFT0007A	HPI A TRAIN INJ FLOW TRANSMITTER	AB	758
18	2HPIFT0008A	HPI B TRAIN INJ FLOW TRANSMITTER	AB	758
18	2HPIFT0075	RCP SEAL INJ FLOW TRANSMITTER	AB	783
18	2HPIFT0101	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	2HPIFT0102	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	2HPIFT0103	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	2HPIFT0104	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	2HPIFT0160	B LOOP INJ FLOW TRANSMITTER	AB	809
18	2HPILT0033P1	LDST LEVEL #1	AB	771
18	2HPILT0033P2	LDST LEVEL #2	AB	771
00	2HPIPS0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783
06	2HPIPU0001	HPI PUMP 2A	AB	758
06	2HPIPU0002	HPI PUMP 2B	AB	758
06	2HPIPU0003	HPI PUMP 2C	AB	758
18	2HPISR0160	HPI CROSSOVER FLOW SQRT EXT B LOOP	AB	809
08	2HPVA0003	LETDOWN ISOLATION	RB	777'+6"
08	2HPVA0004	LETDOWN ISOLATION	RB	777'+6"
07	2HPVA0005	LETDOWN ISOLATION	AB	809

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 2

Page 12 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	2HPVA0020	RCP SEAL RETURN ISOLATION	RB	797'+6"
07	2HPVA0021	RCP SEAL RETURN ISOLATION	RB	809
07	2HPVA0022	LDST DRAIN	AB	783
08	2HPVA0023	HPI LDST SUCTION ISOLATION	AB	783
08	2HPVA0024	BWST SUCTION ISOLATION	AB	771
08	2HPVA0025	BWST SUCTION ISOLATION	AB	771
08	2HPVA0026	HPI TRAIN 2A INJECTION	AB	809
08	2HPVA0027	HPI TRAIN 2B (EMERGENCY) INJECTION	AB	809
07	2HPVA0031	RCP SEAL INJ FLOW CONTROL	AB	796
08	2HPVA0098	HPI SUCTION CROSSOVER	AB	758
08	2HPVA0115	HPI DISCH HEADER SEPARATION	AB	758
07	2HPVA0355	HPI AUX SPRAY THROTTLE	AB	809
08	2HPVA0405	ALT LETDOWN BOUNDARY	RB	777'+6"
08	2HPVA0409	HPI CROSSOVER ISOLATION	AB	809
08	2HPVA0410	HPI CROSSOVER ISOLATION	AB	809
08	2HPVA0417	ALT LETDOWN BOUNDARY	RB	777'+6"
08	2HPVA0426	ALT LETDOWN PATH ISOLATION	RB	777'+6"
08	2HPVA0428	ALT LETDOWN PATH ISOLATION	RB	777'+6"

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 13 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	2ICCCABA	ICC CABINET A	AB	822
20	2ICCCABB	ICC CABINET B	AB	822
20	2ICCM A	UNIT 2 ICCM TRAIN A CABINET	AB	822
20	2ICCM B	UNIT 2 ICCM TRAIN B CABINET	AB	822
20	2ICS	INTEGRATED CONTROL SYSTEM CABINETS	AB	822
14	2KA	120V PPB 2KA	TB	775
14	2KB	120V PPB 2KB	TB	796'+6"
14	2KC	120V PPB 2KC	TB	796'+6"
14	2KD	120V PPB 2KD	AB	809
20	2KESP	KEOWEE EM START PANEL	AB	809
14	2KI	120V PPB 2KI	AB	809
16	2KI/INV	STATIC INVERTER 2KI (INCLUDES STATIC XFER SWITCH)	AB	796
20	2KI/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 2KI	AB	796
20	2KI/SW/T	TRANSFER SWITCH 2KI	AB	796
14	2KM	120V PPB 2KM	AB	809
14	2KRA	120V PPB 2KRA	AB	809
14	2KRB	120V PPB 2KRB	AB	809
14	2KU	120V PPB 2KU	AB	809

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 14 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
16	2KU/INV	STATIC INVERTER 2KU (INCLUDES STATIC XFER SWITCH)	AB	796
20	2KU/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 2KU	AB	796
20	2KU/SW/T	TRANSFER SWITCH 2KU	AB	796
14	2KVIA	120V PPB 2KVIA	AB	809
14	2KVIB	120V PPB 2KVIB	AB	809
14	2KVIC	120V PPB 2KVIC	AB	809
14	2KVID	120V PPB 2KVID	AB	809
14	2KX	120V PPB 2KX	AB	809
16	2KX/INV	STATIC INVERTER 2KX (INCLUDES STATIC XFER SWITCH)	AB	796
20	2KX/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 2KX	AB	796
20	2KX/SW/T	TRANSFER SWITCH 2KX	AB	796
14	2L21/PPB	125V DC PPB 2L21	AB	822
18	2LPIFT0004P	LPI TRAIN 2B INJ FLOW TRANS (POWERED BY ICCM)	AB	809
18	2LPIFT0005P	LPI TRAIN 2A INJ FLOW TRANS (POWERED BY ICCM)	AB	809
05	2LPIPU0001	2LPI PUMP A	AB	758
05	2LPIPU0002	LPI PUMP 2B	AB	758
05	2LPIPU0003	2LPI PUMP C	AB	758
19	2LPITE0209	LPI COOLER 2B OUTLET TEMP (ICS INPUT)	AB	809

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 15 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
19	2LPITE0210	LPI COOLER 2A OUTLET TEMP (ICS INPUT)	AB	809
21	2LPITK0001	BWST	YD	796
18	2LPSEP0022	DECAY HEAT COOLER E/P CONVERTER (2LPSW-251)	TB	775
18	2LPSEP0023	DECAY HEAT COOLER E/P CONVERTER (2LPSW-252)	TB	775
18	2LPSFT0124	LPI COOLER 2A FLOW XMTR (2LPSW-251)	AB	771
18	2LPSFT0125	LPI COOLER 2B FLOW XMTR (2LPSW-252)	AB	771
08	2LPSVA0004	LPI COOLER 2A ISOLATION VALVE	AB	783
08	2LPSVA0005	LPI COOLER 2B ISOLATION VALVE	AB	783
08	2LPSVA0016	RBCU 2A SUPPLY VALVE	AB	835
08	2LPSVA0018	RBCU 2A RETURN VALVE	AB	809
08	2LPSVA0019	RBCU 2B SUPPLY VALVE	AB	809
08	2LPSVA0021	RBCU 2B RETURN VALVE	AB	809
08	2LPSVA0022	RBCU 2C SUPPLY VALVE	AB	809
08	2LPSVA0024	RBCU 2C RETURN VALVE	AB	809
08	2LPSVA0137	TDEFW ISOLATION VALVE	TB	775
07	2LPSVA0251	LPI COOLER 2A CONTROL VALVE	TB	775
07	2LPSVA0252	LPI COOLER 2B CONTROL VALVE	TB	775
07	2LPSVA0516	EFW PUMP 2A LPSW ISOLATION VALVE	TB	775

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 16 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	2LPSVA0525	EFW PUMP 2B LPSW ISOLATION VALVE	TB	775
08	2LPSVA0565	RB AUX COOLERS SUPPLY VALVE	RB	825
08	2LPSVA0566	RBCU 3B INLET VALVE	RB	797'+6"
08	2LPVA0001	LPI DROPLINE ISOL FROM RCS	RB	797'+6"
08	2LPVA0002	LPI DROPLINE ISOL FROM RCS	RB	797'+6"
08	2LPVA0003	LPI HOT LEG SUCTION	AB	758
08	2LPVA0005	LPI PUMP 2A SUCTION	AB	758
08	2LPVA0006	LPI SUCTION CROSSOVER	AB	758
08	2LPVA0007	LPI SUCTION CROSSOVER	AB	758
08	2LPVA0008	LPI PUMP 2B SUCTION	AB	758
08	2LPVA0009	LPI CROSSOVER	AB	758
08	2LPVA0010	LPI CROSSOVER	AB	758
08	2LPVA0011	LPI COOLER 2A ISOLATION	AB	771
08	2LPVA0012	LPI COOLER 2A ISOLATION	AB	771
08	2LPVA0013	LPI COOLER 2B ISOLATION	AB	771
08	2LPVA0014	LPI COOLER 2B ISOLATION	AB	771
08	2LPVA0015	LPI TO HPI/RBS PIGGYBACK 2A	AB	771
08	2LPVA0016	LPI TO HPI/RBS PIGGYBACK 2B	AB	771

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 17 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	2LPVA0017	LPI TRAIN 2A INJECTION ISOL	AB	822
08	2LPVA0018	LPI TRAIN 2B INJECTION ISOL	AB	809
08	2LPVA0019	RB EM SUMP SUCTION	AB	758
08	2LPVA0020	RB EM SUMP SUCTION	AB	758
08	2LPVA0021	BWST SUCTION ISOLATION	AB	771
08	2LPVA0022	BWST SUCTION ISOLATION	AB	771
08	2LPVA0069	LPI SWITCHOVER FLOW CTRL	AB	758
08	2LPVA0103	BORON DILUTION ISOLATION	RB	797'+6"
08	2LPVA0104	BORON DILUTION ISOLATION	RB	797'+6"
08	2LPVA0126	LPI POST ACC SAMPLE ISOL	AB	758
18	2MC-1	INSTRUMENT RACK 2MC-1	TB	775
18	2MC-12	INSTRUMENT RACK 2MC-12	TB	796'+6"
18	2MC-16	INSTRUMENT RACK 2MC-16	TB	796'+6"
18	2MC-2	INSTRUMENT RACK 2MC-2	TB	775
18	2MC-F40	INSTRUMENT RACK 2MC-F40	TB	796'+6"
20	2MFBMRP	MAIN FDR BUS MONITOR RLY PANEL	AB	809
18	2MSPS0086	MAIN STEAM PRESS SWITCH (MS-19)	TB	796'+6"
18	2MSPS0087	MAIN STEAM PRESS SWITCH (MS-22)	TB	796'+6"

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 2

Page 18 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	2MSPS0088	MAIN STEAM PRESS SWITCH (MS-28)	TB	796'+6"
18	2MSPS0089	MAIN STEAM PRESS SWITCH (MS-31)	TB	796'+6"
18	2MSPT0024P	SG 2A PRESSURE	RB	825
18	2MSPT0025P	SG 2A PRESSURE	RB	825
18	2MSPT0026P	SG 2B PRESSURE	RB	825
18	2MSPT0027P	SG 2B PRESSURE	RB	825
00	2MSPY0042	UNIT 2 UPS (2MSSS0042 - 2MS-87)	AB	796
08	2MSVA0017	TURBINE BYPASS ISOLATION	TB	796'+6"
07	2MSVA0019	TURBINE BYPASS VALVE	TB	796'+6"
07	2MSVA0022	TURBINE BYPASS VALVE	TB	796'+6"
08	2MSVA0024	AS ISOLATION	TB	796'+6"
08	2MSVA0026	TURBINE BYPASS ISOLATION	TB	796'+6"
07	2MSVA0028	TURBINE BYPASS VALVE	TB	796'+6"
07	2MSVA0031	TURBINE BYPASS VALVE	TB	796'+6"
08	2MSVA0033	AS ISOLATION	TB	796'+6"
08	2MSVA0035	FWPT ISOLATION	TB	796'+6"
08	2MSVA0036	FWPT ISOLATION	TB	796'+6"
08	2MSVA0040	FWPT STOP VALVE	TB	775

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 19 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	2MSVA0043	FWPT STOP VALVE	TB	775
08	2MSVA0047	MS TO CSAE	TB	796'+6"
08	2MSVA0076	MS RH ISOLATION	TB	796'+6"
08	2MSVA0077	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	2MSVA0078	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	2MSVA0079	MS RH ISOLATION	TB	796'+6"
08	2MSVA0080	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	2MSVA0081	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	2MSVA0082	TDEFW STEAM SUPPLY	TB	796'+6"
08	2MSVA0084	TDEFW STEAM SUPPLY	TB	796'+6"
07	2MSVA0087	TDEFW MS ISOLATION VALVE	TB	796'+6"
07	2MSVA0093	TDEFW MS ISOLATION VALVE	TB	775
07	2MSVA0094	EFW TURBINE STOP VALVE	TB	775
08	2MSVA0095	TDEFW CONTROL VALVE	TB	775
07	2MSVA0102	TURBINE STOP VALVE	TB	796'+6"
07	2MSVA0103	TURBINE STOP VALVE	TB	796'+6"
07	2MSVA0104	TURBINE STOP VALVE	TB	796'+6"
07	2MSVA0105	TURBINE STOP VALVE	TB	796'+6"

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 20 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	2MSVA0106	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	2MSVA0107	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	2MSVA0108	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	2MSVA0109	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	2MSVA0112	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
07	2MSVA0126	MS TO AS CONTROL VALVE	TB	796'+6"
07	2MSVA0129	MS TO AS CONTROL VALVE	TB	796'+6"
07	2MSVA0173	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
20	2MTC1	MISC TERM CAB 2MTC1	AB	809
20	2MTC1,2,3,4	MISCELLANEOUS TERMINAL CABINETS (2MTC'S)	AB	809
20	2MTC2	MISC TERM CAB 2MTC2	AB	809
20	2MTC3	MISC TERM CAB 2MTC3	AB	809
20	2MTC4	MISC TERM CAB 2MTC4	AB	809
16	2PA/BC	PWR BATT CHGR 2PA	TB	796'+6"
18	2PAMLT0090	RB CONTAINMENT WATER LEVEL TRAIN A	RB	777'+6"
18	2PAMLT0091	RB CONTAINMENT WATER LEVEL TRAIN B	RB	777'+6"
20	2PASCP	POST ACCIDENT SAMPLE CONT PANEL (2RC-179)	AB	771
16	2PB/BC	PWR BATT CHGR 2PB	TB	796'+6"

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 21 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	2PIR	UNIT 2 PNEUMATIC INSTR RACK	AB	809
08	2PRVA0007	RB HYDROGEN PURGE INLET	RB	825
07	2PRVA0008	RB HYDROGEN PURGE INLET	AB	822
08	2PRVA0009	RB HYDROGEN PURGE OUTLET	RB	825
07	2PRVA0010	RB HYDROGEN PURGE OUTLET	AB	822
08	2PRVA0059	RB HYDROGEN PURGE INLET	RB	825
08	2PRVA0060	RB HYDROGEN PURGE OUTLET	RB	825
18	2PS155-1B/PS100-A	PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	TB	822
18	2PS156-1B/PS100-B	PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	TB	822
18	2PS157AB/PS101	LOW HYDRAULIC PRESSURE SWITCH	TB	775
09	2RBCAH0020A	RBCU FAN 2A	RB	825
09	2RBCAH0020B	RBCU FAN 2B	RB	825
09	2RBCAH0020C	RBCU FAN 2C	RB	825
00	2RBCDA000A	RBC DAMPER 2A	RB	825
00	2RBCDA000B	RBC DAMPER 2B	RB	825
00	2RBCDA000C	RBC DAMPER 2C	RB	825
00	2RCHE0002	U2 PRZ HEATERS BANK 2	RB	818
18	2RCLT0004P1	PRZ LEVEL TRANSMITTER	RB	797'+6"

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 22 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	2RCLT0004P3	PRZ LEVEL TRANSMITTER	RB	797'+6"
18	2RCLT0123	2A RCS HOT LEG LVL (ICCM A)	RB	809
18	2RCLT0124	2B RCS HOT LEG LVL (ICCM B)	RB	809
18	2RCLT0125	RV HEAD LEVEL (ICCM A)	RB	809
18	2RCLT0126	RV HEAD LEVEL (ICCM B)	RB	809
18	2RCMT0101	WR RCS PRESS TRAIN A (ICCM)	AB	809
18	2RCMT0102	WR RCS PRESS TRAIN B (ICCM)	AB	809
18	2RCPS0364	RC PRESS SWITCH	RB	825
18	2RCPT0017P	RCS LOOP A PRESS TRANS	RB	825
18	2RCPT0021P	RC PRESS XMTR (ES CH A)	RB	825
18	2RCPT0022P	RC PRESS XMTR (ES CH B)	RB	825
18	2RCPT0023P	RC PRESS XMTR (ES CH C)	RB	825
18	2RCPT0166P	RCS LOOP B PRESS TRANS	RB	825
18	2RCPT0244	WR RCS PRESS TRAIN A (ICCM)	AB	809
18	2RCPT0245	WR RCS PRESS TRAIN B (ICCM)	AB	809
19	2RCRD0005B	A2 COLD LEG RTD	RB	797'+6"
19	2RCRD0006A	A1 COLD LEG RTD	RB	797'+6"
19	2RCRD0007B	B2 COLD LEG RTD	RB	797'+6"

Table 4-1-O2

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 23 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
19	2RCRD0008A	B1 COLD LEG RTD	RB	797'+6"
19	2RCRD0043A	PRZ RTD	RB	797'+6"
19	2RCRD0043B	PRZ RTD	RB	797'+6"
19	2RCRD0084B	A HOT LEG RTD	RB	844'+6"
19	2RCRD0085B	B HOT LEG RTD	RB	844'+6"
08	2RCVA0003	PRZ SPRAY ISOLATION	RB	850
08	2RCVA0004	PRZ PORV BLOCK VALVE	RB	850
08	2RCVA0005	PRZ STEAM SAMPLE ISOLATION	RB	810
08	2RCVA0006	PRZ WATER SAMPLE ISOLATION	RB	810
08	2RCVA0007	PRZ WATER SAMPLE ISOLATION	AB	809
08	2RCVA0066	PRZ PORV	RB	850
08	2RCVA0155	RCS HOT LEG 2A VENT	RB	825
08	2RCVA0157	RCS HOT LEG 2B VENT	RB	825
08	2RCVA0159	RV VENT ISOLATION	RB	844'+6"
08	2RCVA0160	RV VENT ISOLATION	RB	844'+6"
07	2RCVA0162	POST ACC SAMPLE PATH ISOL	RB	777'+6"
07	2RCVA0163	POST ACC SAMPLE PATH ISOL	RB	777'+6"
08	2RCVA0164	POST ACC SAMPLE PATH ISOL	AB	758

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 24 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	2RCVA0165	POST ACC SAMPLE PATH ISOL	AB	758
07	2RCVA0179	POST ACC SAMPLE THROTTLE	AB	758
20	2RPS	UNIT 2 RPS CABINETS	AB	822
14	2RSC-2CCW-287/ENCL	REMOTE STARTER ENCLOSURE FOR 2CCW-287	SSF	758
14	2RSC-2FDW-368/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-368	AB	809
14	2RSC-2FDW-369/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-369	AB	809
14	2RSC-2FDW-372/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-372	AB	809
14	2RSC-2FDW-374/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-374	AB	809
14	2RSC-2FDW-382/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-382	AB	809
14	2RSC-2FDW-384/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-384	AB	809
14	2RSC-2HP-409/ENCL	REMOTE STARTER ENCLOSURE FOR 2HP-409	AB	796
14	2RSC-2HP-410/ENCL	REMOTE STARTER ENCLOSURE FOR 2HP-410	AB	796
14	2RSC-2LPSW-565/ENCL	REMOTE STARTER ENCLOSURE FOR 2LPSW-565	AB	796
14	2RSC-2LPSW-566/ENCL	REMOTE STARTER ENCLOSURE FOR 2LPSW-566	AB	796
14	2RSC-2PR-59/ENCL	REMOTE STARTER ENCLOSURE FOR 2PR-59	AB	809
14	2RSC-2PR-60/ENCL	REMOTE STARTER ENCLOSURE FOR 2PR-60	AB	809
20	2SCWP	UNIT 2 STATOR COOLING WATER PANEL	TB	775
21	2SFTK0002	INCORE INST HANDLING TANK	RB	816'+6"

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 25 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	2SGFP	SG FWP PANEL	TB	775
20	2SGLC	STEAM GEN LOGIC CABINET	AB	809
14	2SKJ	120V PPB 2SKJ	AB	809
14	2SKK	120V PPB 2SKK	AB	809
14	2SKL	120V PPB 2SKL	AB	809
20	2SL-5	CRD SYSTEM LOGIC CAB 5	AB	809
20	2SL-6	CRD SYSTEM LOGIC CAB 6	AB	809
08	2SSHVA0001	STEAM SEAL HEADER ISOL	TB	796'+6"
08	2SSHVA0003	STEAM SEAL HEADER ISOL	TB	796'+6"
20	2TB-1001	TERMINAL BOX TB-1001	BH	796
20	2TB-1111	TERM BOX TB-1111	YD	796
20	2TB-1112	TERM BOX TB-1112	YD	796
20	2TBATWS1	ATSW TERM BOX 1	AB	809
20	2TBATWS2	ATSW TERM BOX 2	AB	809
03	2TC	4KV SWGR 2TC	TB	796'+6"
20	2TCPA	TURB CONT PANEL 2TCPA	TB	796'+6"
03	2TD	4KV SWGR 2TD	TB	796'+6"
20	2TDC3	TRANSDUCER CAB 2TDC3	AB	809

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 26 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
03	2TE	4KV SWGR 2TE	TB	796'+6"
18	2TE1602(Typical)	CORE EXIT THERMOCOUPLE 2TE1602	RB	---
18	2TE1607(Typical)	CORE EXIT THERMOCOUPLE 2TE1607	RB	---
18	2TOPS0176B	FWPT 2A BEARING OIL PRESS LOW	TB	775
18	2TOPS0192B	FWPT 2B BEARING OIL PRESS LOW	TB	775
05	2TOPU0022	EFWPT AUX OIL PUMP	TB	775
20	2TTC4	TURB TERM CAB 2TTC4	TB	796'+6"
20	2UB1	CONTROL BOARD 2UB1	AB	822
20	2UB1,2;2AB1	CONTROL BOARDS 2UB1,2,AB1	AB	822
20	2UB2	CONTROL BOARD 2UB2	AB	822
20	2VB1	CONTROL BOARD 2VB1	AB	822
20	2VB1,2,3	CONTROL BOARDS 2VB1,2,3	AB	822
20	2VB2	CONTROL BOARD 2VB2	AB	822
20	2VB3	CONTROL BOARD 2VB3	AB	822
08	2VVA0186	COND VACUUM BREAKER	TB	796'+6"
02	2X01	600V LC 2X01	TB	796'+6"
02	2X02	600V LC 2X02	TB	796'+6"
02	2X03	600V LC 2X03	TB	796'+6"

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 27 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
02	2X04	600V LC 2X04	TB	796'+6"
02	2X05	600V LC 2X05	TB	796'+6"
02	2X06	600V LC 2X06	TB	796'+6"
02	2X08	600V LC 2X08	AB	796
02	2X09	600V LC 2X09	AB	796
01	2XA	MCC 2XA	TB	796'+6"
01	2XA(208V)	208V MCC 2XA	TB	796'+6"
01	2XA(600V)	600V MCC 2XA	TB	796'+6"
01	2XA-A	208V MCC 2XA-A	TB	796'+6"
01	2XB	600V MCC 2XB	TB	775
01	2XC	MCC 2XC	TB	775
01	2XC(208V)	208V MCC 2XC	TB	775
01	2XC(600V)	600V MCC 2XC	TB	775
01	2XGA	2XGA	TB	796'+6"
01	2XGA(208V)	208V MCC 2XGA	TB	796'+6"
01	2XGB	MCC 2XGB	TB	796'+6"
01	2XGB(208V)	208V MCC 2XGB	TB	796'+6"
01	2XGB(600V)	600V MCC 2XGB	TB	796'+6"

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 2

Page 28 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	2XI(600V)	600V MCC 2XI	AB	809
01	2XJ(600V)	600V MCC 2XJ	AB	809
01	2XL	MCC 2XL	AB	771
01	2XL(208V)	208V MCC 2XL	AB	771
01	2XL(600V)	600V MCC 2XL	AB	771
01	2XN	MCC 2XN	AB	771
01	2XN(208V)	208V MCC 2XN	AB	771
01	2XN(600V)	600V MCC 2XN	AB	771
01	2XO	MCC 2XO	AB	796
01	2XO(208V)	208V MCC 2XO	AB	796
01	2XO(600V)	600V MCC 2XO	AB	796
01	2XP	MCC 2XP	AB	796
01	2XP(208V)	208V MCC 2XP	AB	796
01	2XP(600V)	600V MCC 2XP	AB	796
01	2XR	600V MCC 2XR	AB	838
01	2XS1	MCC 2XS1	AB	796
01	2XS1(208V)	208V MCC 2XS1	AB	796
01	2XS1(600V)	600V MCC 2XS1	AB	796

Table 4-1-02

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 2

Page 29 of 29

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	2XS2	MCC 2XS2	AB	796
01	2XS2(600V)	600V MCC 2XS2	AB	796
01	2XS3	MCC 2XS3	AB	796
01	2XS3(208V)	208V MCC 2XS3	AB	796
01	2XS3(600V)	600V MCC 2XS3	AB	796
01	2XSF(208V)	MCC 2XSF(208V)	SSF	817
01	2XSF(600V)	MCC 2XSF(600V)	SSF	817
01	2XSF-1(208V)	MCC 2XSF-1 (208V)	SSF	797
04	CT-2	XFMR CT-2	YD	796
18	NI/U2	UNIT 2 NUCLEAR INSTRUMENTATION	RB	N/A
03	OTS1	4KV SWGR OTS1	SSF	777
18	RPIAMP-A01/U2(Typical)	ROD POSITION AMPLIFIER A01	AB	809
01	XOD2B	208V MCC XOD2B	YD	796

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 1 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	2XS2(208V)	208V MCC 2XS3	AB	796
14	3A/3B/SW	3A/3B REG XFER SW	AB	796
14	3A/MCB	240/120V 3A REGULATOR OUTPUT BKR	AB	796
00	3A/REG	REGULATED PWR SUPP REG 3A	AB	796
20	3AB1	CONTROL BOARD 3AB1	AB	822
20	3AB3	CONTROL BOARD 3AB3	AB	822
20	3AB3A	CONTROL BOARD 3AB3A	AB	822
20	3ADA	ISOL DIODE ASSEMBLY 3ADA	AB	796
20	3ADB	ISOL DIODE ASSEMBLY 3ADB	AB	796
20	3ADC	ISOL DIODE ASSEMBLY 3ADC	AB	796
20	3ADD	ISOL DIODE ASSEMBLY 3ADD	AB	796
20	3ADE	ISOL DIODE ASSEMBLY 3ADE	AB	796
20	3ADF	ISOL DIODE ASSEMBLY 3ADF	AB	796
20	3ADG	ISOL DIODE ASSEMBLY 3ADG	AB	796
18	3AHCC	U3 AIR HANDLING CONTROL CENTER (FOR UNITS 13 & 14)	AB	838
20	3ASP	AUX SHUTDOWN PANEL	TB	822
18	3ASPT0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	TB	796'+6"
20	3AT3	AREA TERM CAB 3AT3	AB	809

Table 4-1-O3

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 2 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	3AT4	AREA TERM CAB 3AT4	AB	809
18	3ATBOXEH	FWP 3A TERMINAL BOX EH	TB	775
20	3ATWSCP	U3 ATWS CONTROL PANEL	AB	838
14	3B	600V PPB 3B (FOR PRESSURIZER HEATERS GROUP 3B BANK 2)	RB	800
14	3B/MCB	240/120V 3B REGULATOR OUTPUT BKR	AB	796
00	3B/REG	REGULATED PWR SUPP REG 3B	AB	796
03	3B1T	4KV SWGR 3B1T	BH	796
03	3B2T	4KV SWGR 3B2T	BH	796
18	3BSPS0018	RB PRESS SWITCH (ES CH 3A)	AB	809
18	3BSPS0019	RB PRESS SWITCH (ES CH 3A)	AB	809
18	3BSPS0020	RB PRESS SWITCH (ES CH 3B)	AB	809
18	3BSPS0021	RB PRESS SWITCH (ES CH 3B)	AB	809
18	3BSPS0022	RB PRESS SWITCH (ES CH 3C)	AB	809
18	3BSPS0023	RB PRESS SWITCH (ES CH 3C)	AB	809
18	3BSPT0004P	RB PRESS XMTR (ES CH 3A)	AB	809
18	3BSPT0005P	RB PRESS XMTR (ES CH 3B)	AB	809
18	3BSPT0006P	RB PRESS XMTR (ES CH 3C)	AB	809
08	3BSVA0001	RB SPRAY HEADER 3A ISOLATION	AB	809

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 3 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	3BSVA0002	RB SPRAY HEADER 3B ISOLATION	AB	809
08	3BSVA0003	RBS PUMP SUCTION ISOL	AB	758
08	3BSVA0004	RBS PUMP SUCTION ISOL	AB	758
18	3BTBOXEH	FWP 3B TERMINAL BOX EH	TB	775
14	3C	600V PPB 3C (FOR PRESSURIZER HEATERS GROUP 3C BANK 2)	RB	818
16	3CA/BC	CONTROL BATT CHGR 3CA	AB	796
20	3CAP	CHEMICAL ADDITION PANEL	AB	771
16	3CB/BC	CONTROL BATT CHGR 3CB	AB	796
00	3CCD000A	CONDENSER 3A	TB	775
00	3CCD000B	CONDENSER 3B	TB	775
00	3CCD000C	CONDENSER 3C	TB	775
21	3CCTK0001	COMP COOLING SURGE TANK	AB	838
06	3CCWPU0001	CCW PUMP 3A	YD	810'+6"
06	3CCWPU0002	CCW PUMP 3B	YD	810'+6"
06	3CCWPU0003	CCW PUMP 3C	YD	810'+6"
06	3CCWPU0004	CCW PUMP 3D	YD	810'+6"
05	3CCWPU0024	EFWPT OIL COOLER PUMP	TB	775
08	3CCWVA0010	DISCH ISOL VALVE	YD	796

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 4 of 30

SORTED BY EQUIPMENT ID				
Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	3CCWVA0011	DISCH ISOL VALVE	YD	796
08	3CCWVA0012	DISCH ISOL VALVE	YD	796
08	3CCWVA0013	DISCH ISOL VALVE	YD	796
08	3CCWVA0026	CCW VENT VALVE	YD	796
08	3CCWVA0027	CCW VENT VALVE	YD	796
08	3CCWVA0028	CCW VENT VALVE	YD	796
08	3CCWVA0029	CCW VENT VALVE	YD	796
08	3CCWVA0093	EM DISCHARGE VALVE	TB	775
08	3CCWVA0269	CROSSOVER ISOLATION TO A	AB	771
08	3CCWVA0287	SSF ISOL VALVE	SSF	754
21	3CFTK000A	CORE FLOOD TANK 3A	RB	797'+6"
21	3CFTK000B	CORE FLOOD TANK 3B	RB	818
18	3CLT0015A	UST 3B LEVEL	TB	838
18	3CLT0036	UST 3A LEVEL	TB	838
18	3CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)	TB	838
18	3CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)	TB	838
18	3CPS0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775
06	3CPU0010	HOTWELL PUMP 3A	TB	775

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 5 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
06	3CPU0011	HOTWELL PUMP 3B	TB	775
06	3CPU0012	HOTWELL PUMP 3C	TB	775
02	3CRDACBKRCAB	CRD SYSTEM AC BKR CAB	AB	809
20	3CRDDCBKRCAB	CRD SYSTEM DC BKR CAB	AB	809
20	3CRDLC	CONTROL ROD DRIVE LOGIC CABINETS	AB	809
08	3CSVA0005	QUENCH TANK DRAIN	RB	777'+6"
07	3CSVA0006	QUENCH TANK DRAIN	AB	758
08	3CVA0152	UST RISER ISOLATION	TB	775
08	3CVA0153	UST RISER ISOLATION	TB	775
08	3CVA0156	UST RISER ISOLATION	TB	775
08	3CVA0158	UST RISER ISOLATION	TB	775
08	3CVA0160	UST SUPPLY ISO TO TDEFW	TB	775
07	3CVA0176	UST TO COND ISOL VALVE	TB	775
07	3CVA0187	UST TO COND ISOL VALVE	TB	775
07	3CVA0192	UST TO COND ISOL VALVE	TB	775
07	3CVA0225	POL DEMIN ISOL VALVE (BACKWASH INLET W/A VALVE)	TB	775
07	3CVA0232	POL DEMIN ISOL VALVE (DRAIN U/A VALVE)	TB	775
07	3CVA0233	POL DEMIN ISOL VALVE (BACKWASH INLET W/B VALVE)	TB	775

Table 4-1-O3

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 6 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	3CVA0237	POL DEMIN ISOL VALVE (DRAIN U/B VALVE)	TB	775
07	3CVA0240	POL DEMIN ISOL VALVE (BACKWASH INLET W/C VALVE)	TB	775
07	3CVA0244	POL DEMIN ISOL VALVE (DRAIN U/C VALVE)	TB	775
07	3CVA0247	POL DEMIN ISOL VALVE (BACKWASH INLET W/D VALVE)	TB	775
07	3CVA0251	POL DEMIN ISOL VALVE (DRAIN U/D VALVE)	TB	775
07	3CVA0254	POL DEMIN ISOL VALVE (BACKWASH INLET W/E VALVE)	TB	775
07	3CVA0258	POL DEMIN ISOL VALVE (DRAIN U/E VALVE)	TB	775
07	3CVA0262	SLURRY TANK ISOLATION VALVE (Z VALVE)	TB	775
07	3CVA0263	POL DEMIN ISOL VALVE (X VALVE)	TB	775
07	3CVA0264	SLURRY TANK ISOLATION VALVE (L VALVE)	TB	775
07	3CVA0265	SLURRY TANK ISOLATION VALVE (D VALVE)	TB	775
07	3CVA0267	POL DEMIN ISOL VALVE (VR VALVE)	TB	775
07	3CVA0268	POL DEMIN ISOL VALVE (QR VALVE)	TB	775
08	3CVA0391	HOTWELL SUPPLY ISO TO TDEFW	TB	775
14	3D	600V PPB 3D (FOR PRESSURIZER HEATERS GROUP 3D BANK 2)	RB	818
01	3DCA	125V DC 3DCA	AB	796
01	3DCB	125V DC 3DCB	AB	796
16	3DIA/INV	120V STATIC INV 3DIA	AB	796

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 7 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
14	3DIA/PPB	125V PPB 3DIA	AB	809
16	3DIB/INV	120V STATIC INV 3DIB	AB	796
14	3DIB/PPB	125V PPB 3DIB	AB	809
16	3DIC/INV	120V STATIC INV 3DIC	AB	796
14	3DIC/PPB	125V PPB 3DIC	AB	809
16	3DID/INV	120V STATIC INV 3DID	AB	796
14	3DID/PPB	125V PPB 3DID	AB	809
14	3DL2/PPB	250V DC 3DL2 PPB	AB	796
01	3DP	125/250V DC 3DP	TB	796'+6"
20	3EB1	ELECTRICAL BOARD 3EB1	AB	822
20	3EB2	ELECTRICAL BOARD 3EB2	AB	822
20	3EB3	ELECTRICAL BOARD 3EB3	AB	822
20	3EB4	ELECTRICAL BOARD 3EB4	AB	822
20	3EHC1	EHC CAB 3EHC1	AB	809
20	3EHC1,2,3	EHC CONTROL CABINET 3EHC1,2,3	AB	809
20	3EHC2	EHC CAB 3EHC2	AB	809
20	3EHC3	EHC CAB 3EHC3	AB	809
20	3EHTC1	EHC TERM CAB 3EHTC1	AB	809

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 8 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	3EHTC2	EHC TERM CAB 3EHTC2	AB	809
20	3EPSLP1	EPSL PANEL 3EPSLP1	AB	809
20	3EPSLP2	EPSL PANEL 3EPSLP2	AB	809
20	3ESFAS	UNIT 3 ESFAS CABINETS	AB	822
20	3ESTC1	ESFAS ODD CH TERM CAB 3ESTC1	AB	809
20	3ESTC2	ESFAS EVEN CH TERM CAB 3ESTC2	AB	809
20	3ESTC2A	ESFAS AUX RLY CAB 3ESTC2A	AB	809
20	3ESTC3	ES ODD & EVEN RLY CAB 3ESTC3	AB	809
00	3FDWFE0153	SG 3A LEVEL INDICATOR	AB	783
00	3FDWFE0154	SG 3B LEVEL INDICATOR	RB	783
18	3FDWFT0140	3A EFW HEADER FLOW	AB	783
18	3FDWFT0141	3B EFW HEADER FLOW	AB	783
18	3FDWFT0153	3A EFW HEADER FLOW TRANSMITTER	AB	775
18	3FDWFT0154	3B EFW HEADER FLOW TRANSMITTER	AB	775
18	3FDWLT0080	SG 3A LEVEL TRANSMITTER	RB	777'+6"
18	3FDWLT0081	SG 3B LEVEL TRANSMITTER	RB	777'+6"
18	3FDWLT0082	SG 3A LEVEL TRANSMITTER	RB	777'+6"
18	3FDWLT0083	SG 3B LEVEL TRANSMITTER	RB	777'+6"

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 9 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	3FDWLT008A	LOOP 2A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	3FDWLT010A	LOOP 2B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	3FDWLT051A	LOOP 3A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	3FDWLT052A	LOOP 3B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	RB	777'+4"
18	3FDWPS0300	3EFPT LOW HYDR OIL PRESS SWITCH	TB	775
18	3FDWPS0382	FWP 3A CONTROL OIL PRESS SWITCH (3TD-00)	TB	775
18	3FDWPS0383	FWPT 3A CONTROL OIL PRESS SWITCH (3TE-00)	TB	775
18	3FDWPS0384	FWP 3B CONTROL OIL PRESS SWITCH (3TD-00)	TB	775
18	3FDWPS0385	MDEFWP 3B CONTROL OIL PRESS SWITCH (3TE-00)	TB	775
18	3FDWPS0386	MDEFWP 3A DISCH PRESS SWITCH (3TD-00)	TB	775
18	3FDWPS0387	MDEFWP 3A DISCH PRESS SWITCH (3TE-00)	TB	775
18	3FDWPS0388	FWPT 3B DISCH PRESS LOW	TB	775
18	3FDWPS0389	FWPT 3B DISCH PRESS LOW	TB	775
18	3FDWPS1009	MAIN FWP DISCH PRESS SWITCH (3MS-93)	TB	775
18	3FDWPS1010	MAIN FWP DISCH PRESS SWITCH (3MS-93)	TB	775
18	3FDWPS1011	MAIN FWP DISCH HDR PRESS SWITCH (3MS-93)	TB	775
18	3FDWPS1012	MAIN FWP DISCH HDR PRESS SWITCH (3MS-93)	TB	775
05	3FDWPU0003	TDEFW PUMP	TB	775

Table 4-1-O3

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 10 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
05	3FDWPU0004	MDEFW PUMP 3A	TB	775
05	3FDWPU0005	MDEFW PUMP 3B	TB	775
08	3FDWVA0105	SG 3A SAMPLE ISOLATION	RB	797'+6"
07	3FDWVA0106	SG 3A SAMPLE ISOLATION	AB	809
08	3FDWVA0107	SG 3B SAMPLE ISOLATION	RB	810
07	3FDWVA0108	SG 3B SAMPLE ISOLATION	AB	809
07	3FDWVA0315	MDEFW PUMP 3A ISOLATION	AB	809
07	3FDWVA0316	MDEFW PUMP 3B ISOLATION	AB	809
08	3FDWVA0347	MDEFW PUMP 3B ISOLATION	AB	822
08	3FDWVA0368	TDEFW TO HEADER A	TB	775
08	3FDWVA0369	TDEFW TO HEADER B	TB	775
08	3FDWVA0372	MDEFW PUMP 3A ISOLATION	TB	775
08	3FDWVA0374	STARTUP HEADER ISOL	TB	775
08	3FDWVA0382	MDEFW PUMP 3B ISOLATION	TB	775
08	3FDWVA0384	STARTUP HEADER ISOL	TB	775
08	3GWDVA0012	QUENCH TANK VENT	RB	809'+3"
07	3GWDVA0013	QUENCH TANK VENT	AB	809
20	3HBP	UNIT 3 HEATER BLANKETING PANEL	TB	822

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 11 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	3HDPS0377	1ST STAGE RH PRESS SWITCH	TB	822
18	3HPIEP0002	RCP SEAL INJECTION FLOW	AB	775
18	3HPIFT0007A	A LOOP INJ FLOW TRANSMITTER	AB	758
18	3HPIFT0008A	HPI LOOP 3B FLOW XMTR	AB	758
18	3HPIFT0075	RCP SEAL INJ FLOW TRANSMITTER	AB	783
18	3HPIFT0101	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	3HPIFT0102	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	3HPIFT0103	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	3HPIFT0104	RC PUMP SEAL INLET FLOW XMTR (POWERED BY ICS)	AB	783
18	3HPIFT0160	B LOOP INJ FLOW TRANSMITTER	AB	809
18	3HPILT0033P1	LDST LEVEL #1	AB	771
18	3HPILT0033P2	LDST LEVEL #2	AB	771
00	3HPIPS0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783
06	3HPIPU0001	HPI PUMP 3A	AB	758
06	3HPIPU0002	HPI PUMP 3B	AB	758
06	3HPIPU0003	HPI PUMP 3C	AB	758
18	3HPISR0160	HPI CROSSOVER FLOW SQRT EXT B LOOP	AB	809
08	3HPVA0003	LETDOWN ISOLATION	RB	777'+6"

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 12 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	3HPVA0004	LETDOWN ISOLATION	RB	777'+6"
07	3HPVA0005	LETDOWN ISOLATION	AB	809
08	3HPVA0020	RCP SEAL RETURN ISOLATION	RB	809'+3"
07	3HPVA0021	RCP SEAL RETURN CONTAIN ISOL	RB	809
07	3HPVA0022	LDST DRAIN	AB	783
08	3HPVA0023	HPI LDST SUCTION ISOLATION	AB	783
08	3HPVA0024	BWST SUCTION ISOLATION	AB	771
08	3HPVA0025	BWST SUCTION ISOLATION	AB	771
08	3HPVA0026	HPI LOOP 3A INJECTION	AB	809
08	3HPVA0027	HPI TRAIN 3B (EMERGENCY) INJECTION	AB	809
07	3HPVA0031	RCP SEAL INJ FLOW CONTROL	AB	796
08	3HPVA0098	HPI PUMP 3B SUCTION	AB	758
08	3HPVA0115	HPI DISCH HEADER SEP	AB	758
07	3HPVA0355	HPI AUX SPRAY THROTTLE	AB	809
08	3HPVA0405	SSF RCMU BYPASS ISOL	RB	777'+6"
08	3HPVA0409	HPI CROSSOVER ISOLATION	AB	809
08	3HPVA0426	ALT LETDOWN PATH ISOLATION	RB	777'+6"
08	3HPVA0428	ALT LETDOWN PATH ISOLATION	RB	777'+6"

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 13 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	3ICCCABA	ICC CABINET A	AB	822
20	3ICCCABB	ICC CABINET B	AB	822
20	3ICCM A	UNIT 3 ICCM TRAIN A CABINET	AB	822
20	3ICCM B	UNIT 3 ICCM TRAIN B CABINET	AB	822
20	3ICS	INTEGRATED CONTROL SYSTEM CABINETS	AB	822
14	3KA	120V PPB 3KA	TB	775
14	3KC	120V PPB 3KC	TB	796'+6"
14	3KD	120V PPB 3KD	AB	771
14	3KE	120V PPB 3KE	AB	796
20	3KESP	KEOWEE EM START PANEL	AB	809
14	3KG	120V PPB 3KG	AB	838
14	3KI	120V PPB 3KI	AB	809
16	3KI/INV	STATIC INVERTER 3KI (INCLUDES STATIC XFER SWITCH)	AB	796
20	3KI/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 3KI	AB	796
20	3KI/SW/T	TRANSFER SWITCH 3KI	AB	796
14	3KM	120V PPB 3KM	AB	809
14	3KRA	120V PPB 3KRA	AB	809
14	3KRB	120V PPB 3KRB	AB	809

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 14 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
14	3KTH1	120V PPB 3KTH1	AB	771
14	3KU	120V PPB 3KU	AB	809
16	3KU/INV	STATIC INVERTER 3KU (INCLUDES STATIC XFER SWITCH)	AB	796
20	3KU/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 3KU	AB	796
20	3KU/SW/T	TRANSFER SWITCH 3KU	AB	796
14	3KVIA	120V PPB 3KVIA	AB	809
14	3KVIB	120V PPB 3KVIB	AB	809
14	3KVIC	120V PPB 3KVIC	AB	809
14	3KVID	120V PPB 3KVID	AB	809
14	3KX	120V PPB 3KX	AB	809
16	3KX/INV	STATIC INVERTER 3KX (INCLUDES STATIC XFER SWITCH)	AB	796
20	3KX/SW/BP	STATIC SWITCH AND INVERTER BYPASS SWITCH 3KX	AB	796
20	3KX/SW/T	TRANSFER SWITCH 3KX	AB	796
14	3L21/PPB	125V DC PPB 3L21	AB	822
14	3L22/PPB	125V DC PPB 3L22	AB	822
18	3LPIFT0004P	LPI TRAIN 3B INJ FLOW TRANS (POWERED BY ICCM)	AB	809
18	3LPIFT0005P	LPI TRAIN 3A INJ FLOW TRANS (POWERED BY ICCM)	AB	809
05	3LPIPU0001	3LPI PUMP A	AB	758

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 15 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
05	3LPIPU0002	3LPI PUMP B	AB	758
05	3LPIPU0003	3LPI PUMP C	AB	758
19	3LPITE0209	LPI COOLER OUTLET TEMP (ICS INPUT)	AB	809
19	3LPITE0210	LPI COOLER OUTLET TEMP (ICS INPUT)	AB	809
21	3LPITK0001	BWST	YD	796
18	3LPSEP0022	DECAY HEAT COOLER E/P CONVERTER (3LPSW-405)	TB	775
18	3LPSEP0023	DECAY HEAT COOLER E/P CONVERTER (3LPSW-404)	TB	775
18	3LPSFT0124	LPI COOLER 3A FLOW XMTR (3LPSW-405)	AB	771
18	3LPSFT0125	LPI COOLER 3B FLOW XMTR (3LPSW-404)	AB	771
18	3LPSPS0102	LPSW HEADER PRESSURE	TB	775
18	3LPSPS0103	LPSW HEADER PRESSURE	TB	775
05	3LPSPU0001	LPSW PUMP 3A	TB	775
05	3LPSPU0002	LPSW PUMP 3B	TB	775
08	3LPSVA0004	LPI COOLER 3A ISOLATION VALVE	AB	783
08	3LPSVA0005	LPI COOLER 3B ISOLATION VALVE	AB	783
08	3LPSVA0016	RBCU 3A SUPPLY VALVE	AB	822
08	3LPSVA0018	RBCU 3A RETURN VALVE	AB	809
08	3LPSVA0019	RBCU 3B SUPPLY VALVE	AB	809

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 16 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	3LPSVA0021	RBCU 3B RETURN VALVE	AB	809
08	3LPSVA0022	RBCU 3C SUPPLY VALVE	AB	809
08	3LPSVA0024	RBCU 3C RETURN VALVE	AB	809
08	3LPSVA0045	NONESSENTIAL HEADER ISOLATION VALVE	TB	775
08	3LPSVA0120	LPSW PUMP A SUCTION VALVE	TB	775
08	3LPSVA0123	LPSW PUMP B SUCTION VALVE	TB	775
08	3LPSVA0137	TDEFW ISOLATION VALVE	TB	775
07	3LPSVA0404	LPI COOLER 3B CONTROL VALVE	TB	775
07	3LPSVA0405	LPI COOLER 3A CONTROL VALVE	TB	775
07	3LPSVA0516	EFW PUMP 3A LPSW ISOLATION VALVE	TB	775
07	3LPSVA0525	EFW PUMP 3B LPSW ISOLATION VALVE	TB	775
08	3LPSVA0565	RB AUX COOLERS SUPPLY VALVE	RB	825
08	3LPSVA0566	RBCU 3B INLET VALVE	RB	797'+6"
08	3LPVA0001	LPI DROPLINE ISOL FROM RCS	RB	797'+6"
08	3LPVA0002	LPI DROPLINE ISOL FROM RCS	RB	797'+6"
08	3LPVA0003	LPI HOT LEG SUCTION	AB	758
08	3LPVA0005	LPI PUMP 3A SUCTION	AB	758
08	3LPVA0006	LPI SUCTION CROSSOVER	AB	758

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 17 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	3LPVA0007	LPI SUCTION CROSSOVER	AB	758
08	3LPVA0008	LPI PUMP 3B SUCTION	AB	758
08	3LPVA0009	LPI CROSSOVER	AB	758
08	3LPVA0010	LPI CROSSOVER	AB	758
08	3LPVA0012	LPI COOLER 3A ISOLATION	AB	771
08	3LPVA0014	LPI COOLER 3B ISOLATION	AB	771
08	3LPVA0015	LPI TO HPI/RBS PIGGYBACK 3A	AB	771
08	3LPVA0016	LPI TO HPI/RBS PIGGYBACK 3B	AB	771
08	3LPVA0017	LPI TRAIN 3A INJECTION ISOL	AB	809
08	3LPVA0018	LPI TRAIN 3B INJECTION ISOL	AB	809
08	3LPVA0019	RB EM SUMP SUCTION	AB	758
08	3LPVA0020	RB EM SUMP SUCTION	AB	758
07	3LPVA0092	LPI COOLER BYPASS VALVE	AB	771
07	3LPVA0093	LPI COOLER BYPASS VALVE	AB	771
08	3LPVA0103	BORON DILUTION ISOLATION	RB	797'+6"
08	3LPVA0126	LPI POST ACC SAMP ISOL	AB	758
18	3MC-25	INSTRUMENT RACK 3MC-25	TB	796'+6"
18	3MC-29	INSTRUMENT RACK 3MC-29	TB	796'+6"

Table 4-1-O3

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 18 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	3MC-32	INSTRUMENT RACK 3MC-32	TB	775
18	3MC-33	INSTRUMENT RACK 3MC-33	TB	775
18	3MC-F54	INSTRUMENT RACK 3MC-F54	TB	796'+6"
20	3MFBMRP	MAIN FDR BUS MONITOR RLY PANEL	AB	809
18	3MSPS0086	MAIN STEAM PRESS SWITCH (3MS-19)	TB	796'+6"
18	3MSPS0087	MAIN STEAM PRESS SWITCH (3MS-22)	TB	796'+6"
18	3MSPS0088	MAIN STEAM PRESS SWITCH (3MS-28)	TB	796'+6"
18	3MSPS0089	MAIN STEAM PRESS SWITCH (3MS-31)	TB	796'+6"
18	3MSPT0024P	SG 3A PRESSURE	RB	777'+6"
18	3MSPT0025P	SG 3A PRESSURE	RB	777'+6"
18	3MSPT0026P	SG 3B PRESSURE	RB	777'+6"
18	3MSPT0027P	SG 3B PRESSURE	RB	777'+6"
00	3MSPY0042	UNIT 3 UPS (3MSSS0042 - 3MS-87))	AB	796
08	3MSVA0017	TURBINE BYPASS ISOLATION	TB	796'+6"
07	3MSVA0019	TURBINE BYPASS VALVE	TB	796'+6"
07	3MSVA0022	TURBINE BYPASS VALVE	TB	796'+6"
08	3MSVA0024	AS ISOLATION	TB	796'+6"
08	3MSVA0026	TURBINE BYPASS ISOLATION	TB	796'+6"

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 19 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	3MSVA0028	TURBINE BYPASS VALVE	TB	796'+6"
07	3MSVA0031	TURBINE BYPASS VALVE	TB	796'+6"
08	3MSVA0033	AS ISOLATION	TB	796'+6"
08	3MSVA0035	FWPT ISOLATION	TB	796'+6"
08	3MSVA0036	FWPT ISOLATION	TB	796'+6"
08	3MSVA0040	FWPT STOP VALVE	TB	775
08	3MSVA0043	FWPT STOP VALVE	TB	775
08	3MSVA0047	MS TO CSAE	TB	796'+6"
08	3MSVA0076	MS RH ISOLATION	TB	796'+6"
08	3MSVA0077	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	3MSVA0078	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	3MSVA0079	MS RH ISOLATION	TB	796'+6"
08	3MSVA0080	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	3MSVA0081	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
08	3MSVA0082	TDEFW STEAM SUPPLY	TB	796'+6"
08	3MSVA0084	TDEFW STEAM SUPPLY	TB	796'+6"
07	3MSVA0087	TDEFW MS ISOLATION VALVE	TB	796'+6"
07	3MSVA0093	TDEFW MS ISOLATION VALVE	TB	775

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 20 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
07	3MSVA0094	EFW TURBINE STOP VALVE	TB	775
08	3MSVA0095	TDEFW CONTROL VALVE	TB	775
07	3MSVA0102	TURBINE STOP VALVE	TB	796'+6"
07	3MSVA0103	TURBINE STOP VALVE	TB	796'+6"
07	3MSVA0104	TURBINE STOP VALVE	TB	796'+6"
07	3MSVA0105	TURBINE STOP VALVE	TB	796'+6"
07	3MSVA0106	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	3MSVA0107	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	3MSVA0108	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	3MSVA0109	MAIN STEAM CONTROL VALVE	TB	796'+6"
07	3MSVA0112	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
07	3MSVA0126	MS TO AS CONTROL VALVE	TB	796'+6"
07	3MSVA0129	MS TO AS CONTROL VALVE	TB	796'+6"
07	3MSVA0173	MS TO 2ND STAGE RHTR ISOL	TB	796'+6"
20	3MTC1	MISC TERM CAB 3MTC1	AB	809
20	3MTC1,2	MISCELLANEOUS TERMINAL CABINET 3MTC1,2	AB	809
20	3MTC2	MISC TERM CAB 3MTC2	AB	809
20	3MTC3	MISC TERM CAB 3MTC3	AB	809

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 21 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	3MTC3,4	MISCELLANEOUS TERMINAL CABINET 3MTC3,4	AB	809
20	3MTC4	MISC TERM CAB 3MTC4	AB	809
16	3PA/BC	PWR BATT CHGR 3PA	TB	796'+6"
18	3PAMLT0090	RB CONTAINMENT WATER LEVEL TRAIN A	RB	777'+6"
18	3PAMLT0091	RB CONTAINMENT WATER LEVEL TRAIN B	RB	777'+6"
20	3PASCP	POST ACCIDENT SAMPLE CONT PANEL (3RC-179)	AB	771
16	3PB/BC	PWR BATT CHGR 3PB	TB	796'+6"
18	3PIR	UNIT 3 PNEUMATIC INSTR RACK	AB	809
20	3POWDEXPANEL	3 POWDEX PANEL	TB	771
08	3PRVA0007	RB HYDROGEN PURGE INLET	RB	825
07	3PRVA0008	RB HYDROGEN PURGE INLET	AB	809
08	3PRVA0009	RB HYDROGEN PURGE OUTLET	RB	809'+3"
07	3PRVA0010	RB HYDROGEN PURGE OUTLET	AB	809
08	3PRVA0059	RB HYDROGEN PURGE INLET	RB	825
08	3PRVA0060	RB HYDROGEN PURGE OUTLET	RB	809'+3"
18	3PS155-1B/PS100-A	PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	TB	822
18	3PS156-1B/PS100-B	PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	TB	822
18	3PS157AB/PS101	LOW HYDRAULIC PRESSURE SWITCH	TB	775

Table 4-1-O3

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 22 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
09	3RBCAH0020A	RBCU FAN 3A	RB	825
09	3RBCAH0020B	RBCU FAN 3B	RB	825
09	3RBCAH0020C	RBCU FAN 3C	RB	825
00	3RBCDA000A	RBC DAMPER 3A	RB	825
00	3RBCDA000B	RBC DAMPER 3B	RB	825
00	3RBCDA000C	RBC DAMPER 3C	RB	825
00	3RCHE0002	U3 PRZ HEATERS BANK 2	RB	818
18	3RCLT0004P1	PRZ LEVEL TRANSMITTER	RB	797'+6"
18	3RCLT0004P3	PRZ LEVEL TRANSMITTER	RB	797'+6"
18	3RCLT0123	3A RCS HOT LEG LVL (ICCM A)	RB	809
18	3RCLT0124	3B RCS HOT LEG LVL (ICCM B)	RB	809
18	3RCLT0125	RV HEAD LEVEL (ICCM A)	RB	809
18	3RCLT0126	RV HEAD LEVEL (ICCM B)	RB	809
18	3RCMT0101	WR RCS PRESS TRAIN A (ICCM)	AB	809
18	3RCMT0102	WR RCS PRESS TRAIN B (ICCM)	AB	809
18	3RCPS0364	RC PRESS SWITCH	RB	825
19	3RCPT0017P	RCS LOOP A PRESS TRANS	RB	825
18	3RCPT0021P	RC PRESS XMTR (ES CH A)	RB	825

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 23 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
18	3RCPT0022P	RC PRESS XMTR (ES CH B)	RB	825
18	3RCPT0023P	RC PRESS XMTR (ES CH C)	RB	825
18	3RCPT0166P	RCS LOOP B PRESS TRANS	RB	825
18	3RCPT0244	WR RCS PRESS TRAIN A (ICCM)	AB	809
18	3RCPT0245	WR RCS PRESS TRAIN B (ICCM)	AB	809
19	3RCRD0005B	RCS COLD LEG RTD	RB	797'+6"
19	3RCRD0006A	RCS COLD LEG RTD	RB	797'+6"
19	3RCRD0007B	RCS COLD LEG RTD	RB	797'+6"
19	3RCRD0008A	RCS COLD LEG RTD	RB	797'+6"
19	3RCRD0043A	PRZ RTD	RB	797'+6"
19	3RCRD0043B	PRZ RTD	RB	797'+6"
19	3RCRD0084B	HOT LEG 3A RTD	RB	844'+6"
19	3RCRD0085B	HOT LEG 3B RTD	RB	844'+6"
08	3RCVA0003	PRZ SPRAY ISOLATION	RB	850
08	3RCVA0004	PRZ PORV BLOCK VALVE	RB	850
08	3RCVA0005	PRZ STEAM SAMPLE ISOLATION	RB	810
08	3RCVA0006	PRZ WATER SAMPLE ISOLATION	RB	810
08	3RCVA0007	PRZ WATER SAMPLE ISOLATION	AB	809

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 24 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
08	3RCVA0066	PRZ PORV	RB	850
08	3RCVA0155	RCS HOT LEG 3A VENT	RB	825
08	3RCVA0157	RCS HOT LEG 3B VENT	RB	825
08	3RCVA0159	RV VENT ISOLATION	RB	844'+6"
08	3RCVA0160	RV VENT ISOLATION	RB	844'+6"
08	3RCVA0162	POST ACC SAMPLE PATH ISOL	RB	777'+6"
08	3RCVA0163	POST ACC SAMPLE PATH ISOL	RB	777'+6"
07	3RCVA0179	POST ACC SAMPLE THROTTLE	AB	758
20	3RPS	UNIT 3 RPS CABINETS	AB	822
14	3RSC-3CCW-287/ENCL	REMOTE STARTER ENCLOSURE FOR 3CCW-287	SSF	758
14	3RSC-3FDW-368/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-368	AB	809
14	3RSC-3FDW-369/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-369	AB	809
14	3RSC-3FDW-372/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-372	AB	809
14	3RSC-3FDW-374/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-374	AB	809
14	3RSC-3FDW-382/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-382	AB	809
14	3RSC-3FDW-384/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-384	AB	809
14	3RSC-3HP-409/ENCL	REMOTE STARTER ENCLOSURE FOR 3HP-409	AB	796
14	3RSC-3HP-410/ENCL	REMOTE STARTER ENCLOSURE FOR 3HP-410	AB	796

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 25 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
14	3RSC-3LP-126/ENCL	REMOTE STARTER ENCLOSURE FOR 3LP-126	AB	771
14	3RSC-3LPSW-565/ENCL	REMOTE STARTER ENCLOSURE FOR 3LPSW-565	AB	796
14	3RSC-3LPSW-566/ENCL	REMOTE STARTER ENCLOSURE FOR 3LPSW-566	AB	796
14	3RSC-3PR-59/ENCL	REMOTE STARTER ENCLOSURE FOR 3PR-59	AB	809
14	3RSC-3PR-60/ENCL	REMOTE STARTER ENCLOSURE FOR 3PR-60	AB	809
20	3SCWP	UNIT 3 STATOR COOLING WATER PANEL	TB	775
21	3SFTK0002	INCORE INST HANDLING TANK	RB	816'+6"
20	3SGFP	SG FWP PANEL	TB	775
20	3SGLC	STEAM GEN LOGIC CABINET	AB	809
14	3SKJ	120V PPB 3SKJ	AB	809
14	3SKK	120V PPB 3SKK	AB	809
14	3SKL	120V PPB 3SKL	AB	809
20	3SL-5	CRD SYSTEM LOGIC CAB 5	AB	809
20	3SL-6	CRD SYSTEM LOGIC CAB 6	AB	809
08	3SSHVA0001	STEAM SEAL HEADER ISOLATION	TB	796'+6"
08	3SSHVA0003	STEAM SEAL HEADER ISOLATION	TB	796'+6"
20	3TB-2111	TERM BOX 2111	YD	796
20	3TB-2112	TERM BOX 2112	YD	796

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 26 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	3TBATWS1	ATSW TERM BOX 1	AB	809
20	3TBATWS2	ATSW TERM BOX 2	AB	809
03	3TC	4KV SWGR 3TC	TB	796'+6"
20	3TCPA	TURB CONT PANEL 3TCPA	TB	796'+6"
03	3TD	4KV SWGR 3TD	TB	796'+6"
20	3TDC3	TRANSDUCER CAB 3TDC3	AB	809
03	3TE	4KV SWGR 3TE	TB	796'+6"
18	3TE1602(Typical)	CORE EXIT THERMOCOUPLE 3TE1602	RB	---
18	3TE1607(Typical)	CORE EXIT THERMOCOUPLE 3TE1607	RB	---
18	3TOPS0176B	FWPT 3A BEARING OIL PRESS LOW	TB	775
18	3TOPS0192B	FWPT 3B BEARING OIL PRESS LOW	TB	775
05	3TOPU0022	EFWPT AUX OIL PUMP	TB	775
20	3TTC4	TURB TERM CAB 3TTC4	TB	796'+6"
20	3UB1	CONTROL BOARD 3UB1	AB	822
20	3UB1,2,AB3,3A,EB1-8	CONTROL BOARDS 3UB1,2,AB3,3A,EB1,2,3,4	AB	822
20	3UB2	CONTROL BOARD 3UB2	AB	822
20	3VB1	CONTROL BOARD 3VB1	AB	822
20	3VB1,2,3	CONTROL BOARDS 3VB1,2,3	AB	822

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 27 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
20	3VB2	CONTROL BOARD 3VB2	AB	822
20	3VB3	CONTROL BOARD 3VB3	AB	822
10	3VSAH0013	AHU-3-13	AB	838
10	3VSAH0014	AHU-3-14	AB	838
09	3VSAH0026	OUTSIDE AIR BOOSTER FAN 'A' (F3-8)	AB	838
09	3VSAH0027	OUTSIDE AIR BOOSTER FAN 'B' (F3-9)	AB	838
08	3VVA0186	COND VACUUM BREAKER	TB	796'+6"
02	3X01	600V LC 3X01	TB	796'+6"
02	3X02	600V LC 3X02	TB	796'+6"
02	3X03	600V LC 3X03	TB	796'+6"
02	3X04	600V LC 3X04	TB	796'+6"
02	3X05	600V LC 3X05	TB	796'+6"
02	3X06	600V LC 3X06	TB	796'+6"
02	3X08	600V LC 3X08	AB	796
02	3X09	600V LC 3X09	AB	796
01	3XA	MCC 3XA	TB	796'+6"
01	3XA(208V)	208V MCC 3XA	TB	796'+6"
01	3XA(600V)	600V MCC 3XA	TB	796'+6"

Table 4-1-03

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW
OCONEE NUCLEAR STATION
Unit 3

Page 28 of 30

SORTED BY EQUIPMENT ID				
Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	3XA-A	208V MCC 3XA-A	TB	796'+6"
01	3XB	600V MCC 3XB	TB	775
01	3XC	MCC 3XC	TB	775
01	3XC(208V)	208V MCC 3XC	TB	775
01	3XC(600V)	600V MCC 3XC	TB	775
01	3XGA	MCC 3XGA	TB	796'+6"
01	3XGA(208V)	208V MCC 3XGA	TB	796'+6"
01	3XGA(600V)	600V MCC 3XGA	TB	796'+6"
01	3XGB	MCC 3XGB	TB	796'+6"
01	3XGB(208V)	208V MCC 3XGB	TB	796'+6"
01	3XGB(600V)	600V MCC 3XGB	TB	796'+6"
01	3XI(600V)	600V MCC 3XI	AB	809
01	3XJ(600V)	600V MCC 3XJ	AB	809
01	3XL	MCC 3XL	AB	771
01	3XL(208V)	208V MCC 3XL	AB	771
01	3XL(600V)	600V MCC 3XL	AB	771
01	3XN	MCC 3XN	AB	771
01	3XN(208V)	208V MCC 3XN	AB	771

Table 4-1-O3

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 29 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	3XN(600V)	600V MCC 3XN	AB	771
01	3XO	MCC 3XO	AB	796
01	3XO(208V)	208V MCC 3XO	AB	796
01	3XO(600V)	600V MCC 3XO	AB	796
01	3XP	MCC 3XP	AB	796
01	3XP(208V)	208V MCC 3XP	AB	796
01	3XP(600V)	600V MCC 3XP	AB	796
01	3XR	600V MCC 3XR	AB	838
01	3XS1	MCC 3XS1	AB	796
01	3XS1(208V)	208V MCC 3XS1	AB	796
01	3XS1(600V)	600V MCC 3XS1	AB	796
01	3XS2	MCC 3XS2	AB	796
01	3XS2(208V)	208V MCC 3XS2	AB	796
01	3XS2(600V)	600V MCC 3XS2	AB	796
01	3XS3	MCC 3XS3	AB	796
01	3XS3(208V)	208V MCC 3XS3	AB	796
01	3XS3(600V)	600V MCC 3XS3	AB	796
01	3XSF(208V)	MCC 3XSF(208V)	SSF	817

Table 4-1-O3

SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW
 OCONEE NUCLEAR STATION
 Unit 3

Page 30 of 30

SORTED BY EQUIPMENT ID

Equip Class	Equipment ID	System/Equipment Description	Bldg	Floor Elev
01	3XSF(600V)	MCC 3XSF(600V)	SSF	817
01	3XSF-1(208V)	MCC 3XSF-1 (208V)	SSF	797
01	3XT	MCC 3XT	AB	838
01	3XT(208V)	208V MCC 3XT	AB	838
01	3XT(600V)	600V MCC 3XT	AB	838
04	CT-3	XFMR CT-3	YD	796
20	IC1/IC2/MEC	SSF EOC CABINETS IC1/IC2/MEC	SSF	797
18	NI/U3	UNIT 3 NUCLEAR INSTRUMENTATION	RB	N/A
18	RPIAMP-A01/U3(Typical)	ROD POSITION AMPLIFIER A01	AB	809

RESULTS OF FUNCTIONAL SCREENING OF RELAYS

5.1 INTRODUCTION

This section documents the relay screening and evaluations for each of the SSEL relay review equipment items listed in Section 4 of this report. The A-46 Relay Screening and Evaluation, Form G.4 - Contact Device Tabulation forms from References 7 and 10 were used to summarize the relay review and provide a traceable record of the reviews.

5.2 A-46 RELAY SCREENING AND EVALUATION

The A-46 Relay Screening and Evaluation, Form G.4 - Contact Device Tabulation forms provided herein provide a traceable record of the relays associated with each SSEL component requiring a relay review. SSEL component identifications are provided in the left column of the form. The control circuit drawing or other appropriate reference drawing for that component is listed in the second column. Each contact device that affects the SSEL component is listed below the SSEL component. The relay type and location are provided in the third column. The fourth column lists the results of the contact chatter review as well as the building and floor elevation where the contact device is located.

The forms are essentially the same format as shown in EPRI NP-7147-SL. The only minor differences are the manner in which relays are listed and the manner in which signatures are documented. The example in EPRI NP-7147-SL lists relays associated with a particular SSEL item in a column beside the item. The format used for Oconee Nuclear Station lists the relays beneath the listing for the SSEL item rather than in a column beside the item. Only one set of signatures are included at the end of the forms rather than on each page as is done in EPRI NP-7147-SL.

These forms are contained in Table 5-1. SAT field codes are included as the last page in each section printout.

Items on the forms that are printed in ***Bold-Italic*** font are considered to be major components such as pumps, major circuit breakers, etc. Items that are printed in **bold** font are those items which are major support to a major component (e.g. switchgear breakers in support a major pump). Items in standard font are other components that support the SSEL equipment.

NOTES:

The following notes apply to the SAT field on G.4 forms:

BA - Low Ruggedness Relay

CA	-	Chatter Acceptable
CNA	-	Chatter Not Acceptable
NV	-	Not Vulnerable to Contact Chatter
GERS	-	Seismically adequate per the referenced GERS Number
NA	-	Component not affected by relays
CR	-	Corrective Action Required
OA	-	Operator Action
EVAL	-	Evaluated using other seismic test reports, etc.

Example Cases:

- Where SAT = 'CA' and Chatter Evaluation = 'Rugged - ...', relay is seismically adequate per GERS or testing. In addition to the individual device ruggedness, the device function(s) is(are) also bypassed or blocked as noted by other seismically rugged devices.
- Where SAT = 'CA' and Chatter Evaluation = 'CA - ...', chatter is acceptable for the non-essential device and the device has no other circuit interfaces of concern with other devices.
- Where SAT = 'GERS-RLY-....' and Chatter Evaluation = 'GERS - Seismically adequate per GERS.', the essential device is screened based on the referenced GERS in the SAT field and depends on no further devices to be seismically adequate.
- Where SAT = "EVAL (xxxxx)", xxxxx is the reference to the documentation or method used to seismically evaluate the essential device.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM Subsystem	TABLE OF CONTENTS	Page
CT-1		
Protective Relaying		9
CT-1		
Transformer Cooling		11
CT-4		
Protective Relaying		14
CT-4		
Transformer Cooling		15
CT-5		
Protective Relaying		18
EMERGENCY POWER		
Synchronizing Circuits		19
HVAC		
B1T & B2T ENCLOSURE FANS		21
HVAC		
CT4 ENCLOSURE FANS		22
HVAC		
U1 & U2 CONTROL ROOM FANS		23
STANDBY FEEDER BUS		
Keowee SK Breakers		25
STANDBY FEEDER BUS		
Lee SL Breakers		29
STANDBY FEEDER BUS		
Protective Relaying		32
U0 AUXILIARY SERVICE WATER		
AC PWR		34

Table 5-1-01

**A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT**

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U0 AUXILIARY SERVICE WATER		
Pumps		35
U0 EMERGENCY POWER SWITCHING LOGIC		
Lee SL Breakers		36
U0 SSF AUX SERVICE WATER		
Pumps		37
U0 SSF HVAC		
Pumps		38
U1 125/250V DC PWR		
125V DC CONTROL PWR		39
U1 125/250V DC PWR		
250V DC MCC AND LGT DL2 PWR		41
U1 125/250V DC PWR		
250V DC PWR		42
U1 208V PWR (PPB)		
AC PWR		43
U1 240/120V AC PWR		
120V AC AUX PWR		44
U1 240/120V AC PWR		
120V AC ICS PWR		45
U1 240/120V AC PWR		
120V AC VITAL PWR		46
U1 240/120V AC PWR		
240/120V AC COM PWR		47
U1 240/120V AC PWR		
240/120V AC REG PWR		48

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U1 4160/600V KEOWEE PWR		
1TC-04		49
U1 4160V PWR		
MAIN FEEDER BUS		50
U1 4160V PWR		
Switchgear Supply Breakers		62
U1 600/208V MOTOR CONTROL CENTERS		
208 V		69
U1 600/208V MOTOR CONTROL CENTERS		
600 V		71
U1 600V PWR (LOAD CENTERS)		
1X01		77
U1 600V PWR (LOAD CENTERS)		
1X02		79
U1 600V PWR (LOAD CENTERS)		
1X04		81
U1 600V PWR (LOAD CENTERS)		
1X05		83
U1 600V PWR (LOAD CENTERS)		
1X06		85
U1 600V PWR (LOAD CENTERS)		
1X07		87
U1 600V PWR (LOAD CENTERS)		
1X08		89
U1 600V PWR (LOAD CENTERS)		
1X09		90

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - RELAY TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U1 600V PWR (LOAD CENTERS)		
1X10		91
U1 CONDENSATE		
FWPT A Controls		92
U1 CONDENSATE		
FWPT B Controls		94
U1 CONDENSATE		
Pumps		96
U1 CONDENSATE		
Valves		98
U1 CONDENSATE DC INTERLOCKS		
Controls		105
U1 CONDENSER CIRCULATING WATER		
Controls		107
U1 CONDENSER CIRCULATING WATER		
Pumps		111
U1 CONDENSER CIRCULATING WATER		
Valves		114
U1 CONTROL ROD POSITION		
Instrumentation		120
U1 EMERGENCY FEEDWATER		
ATWS Mitigation Cont		121
U1 EMERGENCY FEEDWATER		
Emergency Turbine Pump		123
U1 EMERGENCY FEEDWATER		
Instrumentation		126

Table 5-1-01

**A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT**

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U1 EMERGENCY FEEDWATER		
Pumps		129
U1 EMERGENCY FEEDWATER		
Valves		132
U1 EMERGENCY LIGHTING		
DC Lights		141
U1 EMERGENCY POWER SWITCHING LOGIC		
EPSL		142
U1 ENGINEERED SAFEGUARDS		
Analog Channel 1		158
U1 ENGINEERED SAFEGUARDS		
Analog Channel 2		159
U1 ENGINEERED SAFEGUARDS		
Analog Channel 3		160
U1 ENGINEERED SAFEGUARDS		
Controls		161
U1 ENGINEERED SAFEGUARDS		
Digital Channel 1		163
U1 ENGINEERED SAFEGUARDS		
Digital Channel 2		164
U1 ENGINEERED SAFEGUARDS		
Digital Channel 3		165
U1 ENGINEERED SAFEGUARDS		
Digital Channel 4		166
U1 ENGINEERED SAFEGUARDS		
Digital Channel 5		167

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 6 of 280

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U1 ENGINEERED SAFEGUARDS		
Digital Channel 6		168
U1 ENGINEERED SAFEGUARDS		
Digital Channel 7		169
U1 ENGINEERED SAFEGUARDS		
Digital Channel 8		170
U1 HIGH PRESSURE INJECTION		
Instrumentation		171
U1 HIGH PRESSURE INJECTION		
Pumps		173
U1 HIGH PRESSURE INJECTION		
Valves		176
U1 ICCM		
Instrumentation		187
U1 KEOWEE START		
Emergency Start Controls		189
U1 LOW PRESSURE INJECTION		
Instrumentation		190
U1 LOW PRESSURE INJECTION		
Pumps		192
U1 LOW PRESSURE INJECTION		
Valves		195
U1 LOW PRESSURE SERVICE WATER		
Alarms		205
U1 LOW PRESSURE SERVICE WATER		
Pumps		206

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 7 of 280

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U1 LOW PRESSURE SERVICE WATER		
Valves		210
U1 MAIN POWER		
Protective Relaying		219
U1 MAIN STEAM		
Instrumentation		220
U1 MAIN STEAM		
Valves		222
U1 MAIN TURBINE		
Controls		232
U1 MAIN TURBINE		
Valves		239
U1 NUCLEAR INSTRUMENTATION		
Instrumentation		240
U1 OPERATION CONTROL TRANSFER TO SSF		
Controls		246
U1 PENETRATION RM VENTILATION		
Valves		247
U1 POST ACCIDENT MONITORING		
Instrumentation		250
U1 PRESSURIZER HEATERS		
Bank 2 Group B		251
U1 PRESSURIZER HEATERS		
Bank 2 Group C		253
U1 PRESSURIZER HEATERS		
Bank 2 Group D		255

Table 5-1-01

**A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT**

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U1 PRESSURIZER HEATERS		
Bank 2 Group K		257
U1 REACTOR BUILDING COOLING		
Air Handling Units		258
U1 REACTOR BUILDING SPRAY		
Valves		263
U1 REACTOR COOLANT		
Instrumentation		265
U1 REACTOR COOLANT		
Valves		270
U1 WASTE DISPOSAL		
Valves		277

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-1

SUB SYSTEM: Protective Relaying

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50B/CT1 XFMR CT1 INSTANTANEOUS OC RLY	OEE-071 Rev 11	GENERAL-ELECTRIC CHC11A21 1EB2	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
51TN/CT1(230KV) XFMR CT1 230 KV/NEUTRAL OC RLY	OEE-071 Rev 11	WESTINGHOUSE CO-7 (1875252) 1EB2	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
51TN/CT1(4160V) XFMR CT1 4.16 KV/NEUTRAL OC RLY	OEE-071 Rev 11	WESTINGHOUSE CO-7 (1875253) 1EB2	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
51TN/CT1(6900V) XFMR CT1 6.9 KV/NEUTRAL OC RLY	OEE-071 Rev 11	WESTINGHOUSE CO-7 (1875253) 1EB2	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
62B1/PCB-17 PCB 17 AUX BKR FAIL RLY	OEE-071 Rev 11	STRUTHERS-DUNN 219BBXP 1EB2	EVAL (DPC-1393.00-00-0004) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B1/PCB-18 PCB 18 AUX BKR FAIL RLY	OEE-071 Rev 11	STRUTHERS-DUNN 219BBXP 1EB2	EVAL (DPC-1393.00-00-0004) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86/CT1 CT1 XFMR LOCKOUT RLY	OEE-071 Rev 11	GENERAL-ELECTRIC HEA61C245 1EB2	GERS-RLY-ALO.2 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
87T/CT1(X) CT1 XFMR DIFF RLY (X PHASE)	OEE-071 Rev 11	WESTINGHOUSE HU-1 (Low Ruggedness) 1EB2	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
87T/CT1(Y) CT1 XFMR DIFF RLY (Y PHASE)	OEE-071 Rev 11	WESTINGHOUSE HU-1 (Low Ruggedness) 1EB2	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
87T/CT1(Z) CT1 XFMR DIFF RLY (Z PHASE)	OEE-071 Rev 11	WESTINGHOUSE HU-1 (Low Ruggedness) 1EB2	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-1

SUB SYSTEM: Protective Relaying

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
87TB/CT1(X) CT1 XFMR 230KV SUPPLY BUS DIFF RLY (X PHASE) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-071 Rev 11	GENERAL-ELECTRIC PVD21D/NON-OP 1EB2	GERS-RLY-PPM.4 AB 822
87TB/CT1(Y) CT1 XFMR 230KV SUPPLY BUS DIFF RLY (Y PHASE) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-071 Rev 11	GENERAL-ELECTRIC PVD21D/NON-OP 1EB2	GERS-RLY-PPM.4 AB 822
87TB/CT1(Z) CT1 XFMR 230KV SUPPLY BUS DIFF RLY (Z PHASE) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-071 Rev 11	GENERAL-ELECTRIC PVD21D/NON-OP 1EB2	GERS-RLY-PPM.4 AB 822
IDIA-08/MCB 125V PPB IDIA BKR 08 (CT1 LOCKOUT) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-071 Rev 11	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
86BU1 U1 STUP BUS LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-28 Rev 9	ELECTRO-SWITCH LOR (SERIES 24) 1TCPA	GERS-RLY-ALO.2 L1 TB 796
87BU1(X) U1 STUP BUS DIFF RLY (X PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>	OEE-117-28 Rev 9	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 1TCPA	BA TB 796
87BU1(Y) U1 STUP BUS DIFF RLY (Y PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>	OEE-117-28 Rev 9	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 1TCPA	BA TB 796
87BU1(Z) U1 STUP BUS DIFF RLY (Z PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>	OEE-117-28 Rev 9	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 1TCPA	BA TB 796
RAR/1 CT1 STUP BUS DIFF TIME DELAY LOCKOUT INITIATE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-28 Rev 9	AGASTAT 7012 PA 1TCPA	CA TB 796
IDIA-31/MCB 125V PPB IDIA BKR 31 (86BU1 LOCKOUT) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-28 Rev 9	ITE EH2 (50 A) 1DIA/PPB	NV AB 809

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-1

SUB SYSTEM: Transformer Cooling

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
8-1(CT1) 600V DISC SWITCH FOR NORM FDR TO XFMR CT1 FANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC HC1 (600V) (20 A) CT1	NV YD 796
88-F1A(CT1) 600V FAN MTR A FOR CT1 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F1B(CT1) 600V FAN MTR B FOR CT1 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F1C(CT1) 600V FAN MTR C FOR CT1 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F1D(CT1) 600V FAN MTR D FOR CT1 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F1E(CT1) 600V FAN MTR E FOR CT1 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F1F(CT1) 600V FAN MTR F FOR CT1 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F2G(CT1) 600V FAN MTR G FOR CT1 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F2H(CT1) 600V FAN MTR H FOR CT1 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F2J(CT1) 600V FAN MTR J FOR CT1 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 12 of 280

SYSTEM: CT-1

SUB SYSTEM: Transformer Cooling

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
88-F2K(CT1) 600V FAN MTR K FOR CT1 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
88-F2L(CT1) 600V FAN MTR L FOR CT1 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC (1/3 HP) CT1	CA YD 796
89-E(CT1) CT1 AUTOMATIC THROW OVER SWITCH (EMERG) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC CR109C002BAD CT1	CA YD 796
89-N(CT1) CT1 AUTOMATIC THROW OVER SWITCH (NORM) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC CR109C002BAD CT1	CA YD 796
49(CT1) CT1 THERMAL RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	QUALITROL AWR-102 (348A476H12) CT1	CA YD 796
83-1(CT1) CT1 PWR CONTROL XFER RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	AGASTAT 2432 ABB CT1	CA YD 796
83-2(CT1) CT1 PWR CONTROL XFER RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	AGASTAT 2432 ABB CT1	CA YD 796
83-3(CT1) CT1 PWR CONTROL XFER RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	AGASTAT 2412 AC CT1	CA YD 796
83-4(CT1) CT1 PWR CONTROL XFER RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	AGASTAT 2412 AC CT1	CA YD 796
4(CT1) CT1 FAN MAGNETIC CONTACTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 300-17 Rev 4	GENERAL-ELECTRIC CR105C CT1	CA YD 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **CT-1**

SUB SYSTEM: **Transformer Cooling**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XB-01BB/(CT1)/MCB 600V MCC 1XB BKR 01BB (XFMR CT1 FANS)	O-703-A Rev 34	GENERAL-ELECTRIC THEF (70 A) 1XB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52-1(CT1) 600V BKR (CT1 COOL FAN BANK #1)	OM 300-17 Rev 4	GENERAL-ELECTRIC TEF (15 A) CT1	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52-2(CT1) 600V BKR (CT1 COOL FAN BANK #2)	OM 300-17 Rev 4	GENERAL-ELECTRIC TEF (15 A) CT1	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-4

SUB SYSTEM: Protective Relaying

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
51TN/CT4 XFMR CT4 NEUTRAL OC RLY	OEE-078 Rev 5	WESTINGHOUSE CO-7 (1875253) 1EB1	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
86/CT4 CT4 XFMR LOCKOUT RLY	OEE-078 Rev 5	GENERAL-ELECTRIC HEA61B238 1EB1	GERS-RLY-ALO.2 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
87T/CT4(X) CT4 XFMR DIFF RLY (X PHASE)	OEE-078 Rev 5	WESTINGHOUSE HU (Low Ruggedness) 1EB1	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
87T/CT4(Y) CT4 XFMR DIFF RLY (Y PHASE)	OEE-078 Rev 5	WESTINGHOUSE HU (Low Ruggedness) 1EB1	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
87T/CT4(Z) CT4 XFMR DIFF RLY (Z PHASE)	OEE-078 Rev 5	WESTINGHOUSE HU (Low Ruggedness) 1EB1	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay.</i>			
1DID-08/MCB 125V PPB 1DID BKR 08 (CT4 LOCKOUT)	OEE-078 Rev 5	ITE EH2 (20 A) 1DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 CONONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-4

SUB SYSTEM: Transformer Cooling

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
88F-1A(CT4) 240V FAN MTR A FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-1B(CT4) 240V FAN MTR B FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-1C(CT4) 240V FAN MTR C FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-1D(CT4) 240V FAN MTR D FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-1E(CT4) 240V FAN MTR E FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-1F(CT4) 240V FAN MTR F FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-2G(CT4) 240V FAN MTR G FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-2H(CT4) 240V FAN MTR H FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-2J(CT4) 240V FAN MTR J FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-2K(CT4) 240V FAN MTR K FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-4

SUB SYSTEM: Transformer Cooling

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
88F-2L(CT4) 240V FAN MTR L FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88F-2M(CT4) 240V FAN MTR M FOR CT4 WITH THERMO-TECTOR	OM 300-42 Rev 5	WESTINGHOUSE SLISS/309P513 CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2-1(CT4) CT4 PWR CONTROL XFER RLY	OM 300-42 Rev 5	POTTER-BRUMFIELD PR 11AY CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2-2(CT4) CT4 PWR CONTROL XFER RLY	OM 300-42 Rev 5	POTTER-BRUMFIELD PR 11AY CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2-3(CT4) CT4 PWR CONTROL XFER RLY	OM 300-42 Rev 5	POTTER-BRUMFIELD PR 11AY CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2-4(CT4) CT4 PWR CONTROL XFER RLY	OM 300-42 Rev 5	POTTER-BRUMFIELD PR 11AY CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
49-1(CT4) CT4 THERMOSTAT	OM 300-42 Rev 5	WESTINGHOUSE NOT FOUND CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
4-1(CT4) CT4 COOL FAN BANK #1 CONTACTOR	OM 300-42 Rev 5	WESTINGHOUSE A201KICA CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
4-2(CT4) CT4 COOL FAN BANK #2 CONTACTOR	OM 300-42 Rev 5	WESTINGHOUSE A201KICA CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
4-3(CT4) CT4 NORM PWR SUPP CONTACTOR (COOL FANS)	OM 300-42 Rev 5	WESTINGHOUSE NOT FOUND CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-4

SUB SYSTEM: Transformer Cooling

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
4-4(CT4) CT4 EM PWR SUPP CONTACTOR (COOL FANS)	OM 300-42 Rev 5	WESTINGHOUSE NOT FOUND CT4	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS1-F02B/MCB 600V MCC 1XS1 BKR F02B (XFMR CT4 FANS NORM FDR)	O-703-G Rev 47	GENERAL-ELECTRIC THEF (20A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
8-1(CT4) 600V BKR FOR NORM FDR TO XFMR CT4 FANS	OM 300-42 Rev 5	WESTINGHOUSE 368D451G25 CT4	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
8-2(CT4) 600V BKR FOR EM FDR TO XFMR CT4 FANS	OM 300-42 Rev 5	WESTINGHOUSE 368D451G25 CT4	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
8-3(CT4) 240V BKR FOR XFMR CT4 FANS CONTROLS	OM 300-42 Rev 5	WESTINGHOUSE 15A CT4	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
8-4(CT4) 240V BKR FOR XFMR CT4 FANS CONTROLS	OM 300-42 Rev 5	WESTINGHOUSE 15A CT4	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
8-5(CT4) 240V BKR FOR XFMR CT4 FANS CONTROLS	OM 300-42 Rev 5	WESTINGHOUSE 15A CT4	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
8-6(CT4) 240V BKR FOR CT4 COOL FAN BANKS	OM 300-42 Rev 5	WESTINGHOUSE HA (30A) CT4	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: CT-5

SUB SYSTEM: Protective Relaying

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
51TN/CT5 CT5 XFMR NEUTRAL OC RLY <i>CNA - Contact Chatter Can Isolate Standby Bus.</i>	OEE-079-01 Rev 5	WESTINGHOUSE CO-7 (1875253) 2EB1	CNA AB 822
51TN/CT5(4KV) CT5 XFMR 4 KV NEUTRAL OC RLY <i>CNA - Contact Chatter Can Isolate Standby Bus.</i>	OEE-079-01 Rev 5	WESTINGHOUSE CO-7 (1875253) 2EB1	CNA AB 822
86T/CT5 CT5 XFMR LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-079-01 Rev 5	GENERAL-ELECTRIC HEA61B238 2EB1	GERS-RLY-ALO.2 AB 822
87T/CT5(X) CT5 XFMR DIFF RLY (X PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate Standby Bus.</i>	OEE-079-01 Rev 5	WESTINGHOUSE HU (Low Ruggedness) 2EB1	BA AB 822
87T/CT5(Y) CT5 XFMR DIFF RLY (Y PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate Standby Bus.</i>	OEE-079-01 Rev 5	WESTINGHOUSE HU (Low Ruggedness) 2EB1	BA AB 822
87T/CT5(Z) CT5 XFMR DIFF RLY (Z PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate Standby Bus.</i>	OEE-079-01 Rev 5	WESTINGHOUSE HU (Low Ruggedness) 2EB1	BA AB 822
1DIB-08/MCB 125V PPB 1DIB BKR 08 (CT5 LOCKOUT) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-079-01 Rev 5	ITE EH2 (20 A) 1DIB/PPB	NV AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **Emergency Power**
 SUB SYSTEM: **Synchronizing Circuits**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
SS/PCB-08 PCB-08 SYNC RELAY	OEE-038-E Rev 0	STRUTHERS-DUNN 219BBXP 2EF3	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-09 PCB-09 SYNC RELAY	OEE-039-E Rev 0	STRUTHERS-DUNN 219BBXP 2EF3	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-12 PCB-12 SYNC RELAY	OEE-042-E Rev 1	STRUTHERS-DUNN 219BBXP 2EF3	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-15 PCB-15 SYNC RELAY	OEE-045-E Rev 1	STRUTHERS-DUNN 219BBXP 2EF3	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-17 PCB-17 SYNC RELAY	OEE-047-E Rev 0	STRUTHERS-DUNN 219BBXP 2EF2	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27/CTX DEGRADED GRID AUX UV RELAY	OEE-048-E Rev 1	CUTLER-HAMMER D26MRD704A1 2AT8	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Actuate The EGPS And Cannot Block Its Actuation.</i>			
27/CTX1 DEGRADED GRID AUX UV RELAY	OEE-048-E Rev 1	CUTLER-HAMMER D26MRD704A1 2AT8	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Actuate The EGPS And Cannot Block Its Actuation.</i>			
27/CTXTD DEGRADED GRID TIMER RLY	OEE-048-E Rev 1	CUTLER-HAMMER D87XDL30 2AT8	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27/CTXTD1 DEGRADED GRID TIMER RLY	OEE-048-E Rev 1	CUTLER-HAMMER D87XDL30 2AT8	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27CTI DEGRADED GRID UNDERVOLTAGE RELAY	OEE-048-E Rev 1	ABB 27N 2AT8	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Actuate The EGPS And Cannot Block Its Actuation.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 20 of 280

SYSTEM: **Emergency Power**SUB SYSTEM: **Synchronizing Circuits**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
SS/PCB-18 PCB-18 SYNC RELAY	OEE-048-E Rev 1	STRUTHERS-DUNN 219BBXP 2EF2	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
25/PCB-21 PCB-21 SYNC RELAY	OEE-051-E Rev 0	BASLER BE1-25-MIFA 6PN4 ROF 1EB3	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
25/PCB-24 PCB-24 SYNC RELAY	OEE-054-E Rev 0	BASLER BE1-25 2EB3	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-26 PCB-26 SYNC RELAY	OEE-056-E Rev 0	STRUTHERS-DUNN 219BBXP 1EF1	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-27 PCB-27 SYNC RELAY	OEE-057-E Rev 0	STRUTHERS-DUNN 219BBXP 1EF1	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-28 PCB-28 SYNC RELAY	OEE-058-E Rev 0	STRUTHERS-DUNN 219BBXP 1EF1	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-30 PCB-30 SYNC RELAY	OEE-060-E Rev 0	STRUTHERS-DUNN 219BBXP 1EF1	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
SS/PCB-33 PCB-33 SYNC RELAY	OEE-063-E Rev 0	STRUTHERS-DUNN 219BBXP 1EF2	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
41MX/1 GENERATOR 1 FIELD BKR AUX RELAY	OEE-110 Rev 9	GENERAL-ELECTRIC 12HFA54B187H ALTEREX CUBICLE	CA TB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
41MX/2 GENERATOR 2 FIELD BKR AUX RELAY	OEE-210 Rev 6	GENERAL-ELECTRIC 12HFA54B187H ALTEREX CUBICLE	CA TB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 CONONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: HVAC

SUB SYSTEM: BIT & B2T ENCLOSURE FANS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1VSAH-BIT-EV-A

BIT & B2T ENCLOSURE VENT FAN A

RSC-1KSG-03/MS 208V PPB 1KSG-03 REMOTE STARTER (BIT ENCLOSURE VENT FAN A)	OEE-131-08 Rev 1	CLARK X13TB31 RSC-1KSG-03	CA BH 796
---	------------------	---------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1KSG-03/MCB 208V PPB 1KSG BKR 03 (BIT & B2T ENCLOSURE VENT FAN A)	OEE-131-08 Rev 1	GENERAL-ELECTRIC THQL (15 A) 1KSG	NV BH 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

1VSAH-BIT-EV-B

BIT & B2T ENCLOSURE VENT FAN B

RSC-1KSG-04/MS 208V PPB 1KSG-04 REMOTE STARTER (BIT ENCLOSURE VENT FAN B)	OEE-131-08 Rev 1	CLARK X13TB31 RSC-1KSG-04	CA BH 796
---	------------------	---------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1KSG-04/MCB 208V PPB 1KSG BKR 04 (BIT & B2T ENCLOSURE VENT FAN B)	OEE-131-08 Rev 1	GENERAL-ELECTRIC THQL (15 A) 1KSG	NV BH 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

SGFR BIT & B2T ENCLOSURE VENT FANS AUX RELAY	OEE-131-08 Rev 1	CUTLER-HAMMER D23MR40A SGFSP	CA BH 796
---	------------------	------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

SGTS BIT & B2T ENCLOSURE VENT FANS THERMOSTAT	OEE-131-08 Rev 1	A.C. CONTROLS 602-5BS SGFSP	CA BH 796
--	------------------	-----------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1KSG-13/MCB 208V PPB 1KSG BKR 13 (BIT & B2T ENCLOSURE VENT FANS CTRLS)	OEE-131-08 Rev 1	GENERAL-ELECTRIC TQL (15 A) 1KSG	NV BH 796
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: HVAC

SUB SYSTEM: CT4 ENCLOSURE FANS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1VSAH-CT4-EV-A

CT4 ENCLOSURE VENT FAN A

RSC-1KSG-01/MS 208V PPB 1KSG-02 REMOTE STARTER (CT4 ENCLOSURE VENT FAN A)	OEE-131-09 Rev 1	CLARK X13TB31 U1/U2 BLOCKHOUSE	CA BH 796
---	------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1KSG-01/MCB 208V PPB 1KSG BKR 01 (CT4 ENCLOSURE VENT FAN A)	OEE-131-09 Rev 1	GENERAL-ELECTRIC THQL (15 A) 1KSG	NV BH 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

1VSAH-CT4-EV-B

CT4 ENCLOSURE VENT FAN B

RSC-1KSG-02/MS 208V PPB 1KSG-02 REMOTE STARTER (CT4 ENCLOSURE VENT FAN B)	OEE-131-09 Rev 1	CLARK X13TB31 U1/U2 BLOCKHOUSE	CA BH 796
---	------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1KSG-02/MCB 208V PPB 1KSG BKR 02 (CT4 ENCLOSURE VENT FAN B)	OEE-131-09 Rev 1	GENERAL-ELECTRIC THQL (15 A) 1KSG	NV BH 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

CT4FR CT4 ENCLOSURE VENT FANS AUX RELAY	OEE-131-09 Rev 1	CUTLER-HAMMER D23MR40A CT4FSP	CA BH 796
--	------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

CT4TS CT4 ENCLOSURE VENT FANS THERMOSTAT	OEE-131-09 Rev 1	A.C. CONTROLS 602-5BS U1/U2 BLOCKHOUSE	CA BH 796
---	------------------	--	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1KSG-14/MCB 208V PPB 1KSG BKR 14 (CT4 ENCLOSURE VENT FANS CTRLS)	OEE-131-09 Rev 1	GENERAL-ELECTRIC TQL (15 A) 1KSG	NV BH 796
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: HVAC

SUB SYSTEM: U1 & U2 CONTROL ROOM FANS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1VSAH0026

OUTSIDE AIR BOOSTER FAN 'A' (F-22)

CD-10A BOOSTER FAN "A" INLET DAMPER (UNIT 1&2)	OEE-131-61 Rev 1	RUSKIN CD 60 CD-10A	NV AB 838
--	------------------	---------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1XR-05C/MS 600V MCC 1XR-05C STARTER (1VSAH0026 OUTSIDE AIR BOOSTER FAN A)	OEE-131-65 Rev 0	CLARK BUL 6013 CY-1 (A1) 1XR	CA AB 838
--	------------------	------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1XR-05C/MCB 600V MCC 1XR BKR 5C (1VSAH0026 OUTSIDE AIR BOOSTER FAN A)	OEE-131-65 Rev 0	GENERAL-ELECTRIC THEF (65/165 A) 1XR	NV AB 838
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

1VSAH0027

OUTSIDE AIR BOOSTER FAN 'B'(F-23)

CD-10B BOOSTER FAN "B" INLET DAMPER (UNIT 1&2)	OEE-131-61 Rev 1	RUSKIN CD 60 CD-10B	NV AB 838
--	------------------	---------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2XR-01B/MS 600V MCC 2XR-01B STARTER (1VSAH0027 OUTSIDE AIR BOOSTER FAN B)	OEE-131-01 Rev 3	CLARK BUL 6220 CY-3 2XR	CA AB 838
--	------------------	-------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2XR-01B/MCB 600V MCC 2XR BKR 01B (1VSAH0027 OUTSIDE AIR BOOSTER FAN B)	OEE-131-01 Rev 3	GENERAL-ELECTRIC THED (65/165 A) 2XR	NV AB 838
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

1KG-21/MCB 120V PPB 1KG BREAKER 21 (CD-10A & B)	OEE-131-61 Rev 1	GENERAL-ELECTRIC TQL (20 A) 1KG	NV AB 838
--	------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1VSDT0001 CHLORINE GAS SENSOR (U1 CTRL ROOM INTAKE)	OEE-131-66 Rev 0	MINE SAFETY 5100 1VSDT0001	NV AB 838
---	------------------	----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: HVAC

SUB SYSTEM: U1 & U2 CONTROL ROOM FANS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BFI/GD/U1 CHLORINE GAS DETECTOR (CDI) FOR UNIT 1-2 CONTROL ROOM <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-131-66 Rev 0	MINE SAFETY 5100 0VSMN0001	CA AB 838
CDR1(U1) CHLORINE GAS DETECTOR AUX RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-131-66 Rev 0	CUTLER-HAMMER D26MR80A IAT5	CA AB 809
IKG-34/MCB 120V PPB IKG BKR 34 (POWER TO CHLORINE DETECTOR 1VSTD0001) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-131-66 Rev 0	GENERAL-ELECTRIC TQL (10 A) IKG	NV AB 838

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **STANDBY FEEDER BUS**

SUB SYSTEM: **Keowee SK Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BIT-05 4KV SWGR BIT BKR 05 (STBY BKR SK1)	OEE-117-06 Rev 12	ITE 5HK-350 (3000 A) BIT	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25SK1(BIT-05) U0 STBY BUS 1 FDR (SK1) SYNC RLY	OEE-117-06-A Rev 11	WESTINGHOUSE CVE-1 (292B353A17) BIT	EVAL (GIP-2 SECTION 6.4.2) BH 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50BSK1(BIT-05) U0 STBY BUS 1 FDR (SK1) INSTANTANEOUS OC RLY	OEE-117-06 Rev 12	GENERAL-ELECTRIC CHC11A21A BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(BIT-05) U0 STBY BUS 1 FDR (SK1) GROUND OC RLY	OEE-117-06 Rev 12	WESTINGHOUSE CO-6 (1876904) BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(BIT-05) U0 STBY BUS 1 FDR (SK1) OC RLY (X PHASE)	OEE-117-06 Rev 12	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(BIT-05) U0 STBY BUS 1 FDR (SK1) OC RLY (Y PHASE)	OEE-117-06 Rev 12	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(BIT-05) U0 STBY BUS 1 FDR (SK1) OC RLY (Z PHASE)	OEE-117-06 Rev 12	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BSK1(BIT-05) U0 STBY BUS 1 BKR (SK1) FAIL TIMER RLY	OEE-117-06-A Rev 11	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXS1(BIT-05) U0 STBY BUS 1 BKR (SK1) FAIL AUX RLY	OEE-117-06-A Rev 11	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94SK1(BIT-05) U0 STBY BUS 1 FDR (SK1) AUX TRIP RLY	OEE-117-06-A Rev 11	WESTINGHOUSE AR (606B017A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 26 of 280

SYSTEM: **STANDBY FEEDER BUS**SUB SYSTEM: **Keowee SK Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CIR-SK1(B1T-05) U0 STBY BUS 1 FDR (SK1) CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-06-A Rev 11	CUTLER-HAMMER D26MRD30A1 BIT	GERS-RLY-AI2.4 BH 796
1DIC-25/MCB 125V PPB 1DIC BKR 25 (4KV SWGR BIT 5-10 TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-06-A Rev 11	ITE EH2 (50 A) 1DIC/PPB	NV AB 809
1DID-25/MCB 125V PPB 1DID BKR 25 (4KV SWGR BIT 5-10 CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-06-A Rev 11	ITE EH2 (50 A) 1DID/PPB	NV AB 809
1RX/1 U1 STBY FDR BUS BKR (SK1) AUX CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-06-B Rev 5	CUTLER-HAMMER D23MRD70A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
2RX/1 U2 STBY FDR BUS BKR (SK1) AUX CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-06-B Rev 5	CUTLER-HAMMER D23MRD70A1 2EPSLP2	GERS-RLY-AI2.4 AB 809
3RX/1 U3 STBY FDR BUS BKR (SK1) AUX CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-06-B Rev 5	CUTLER-HAMMER D23MRD70A1 3EPSLP2	GERS-RLY-AI2.4 AB 809
SK1/CP U0 STBY BUS 1 FDR (SK1) CLOSE PERMISSIVE RLY	OEE-117-06-B Rev 5	STRUTHERS-DUNN 219DXBP BIT	GERS-RLY-ARS.4 BH 796
B2T-09 4KV SWGR B2T BKR 09 (STBY BKR SK2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-23 Rev 15	ITE 5HK-350 (3000 A) B2T	NV BH 796
25SK2(B2T-09) U0 STBY BUS 2 FDR (SK2) SYNC RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-23-A Rev 13	WESTINGHOUSE CVE-1 (292B353A17) B2T	EVAL (GIP-2 SECTION 6.4.2) BH 796
50BSK2(B2T-09) U0 STBY BUS 2 FDR (SK2) INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-23 Rev 15	GENERAL-ELECTRIC CHC11A21A B2T	CA BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **STANDBY FEEDER BUS**

SUB SYSTEM: **Keowee SK Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
51G(B2T-09) U0 STBY BUS 2 FDR (SK2) GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-23 Rev 15	WESTINGHOUSE CO-6 (1876904) B2T	EVAL (OSC-6642) BH 796
51X(B2T-09) U0 STBY BUS 2 FDR (SK2) OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-23 Rev 15	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
51Y(B2T-09) U0 STBY BUS 2 FDR (SK2) OC RLY (Y PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-23 Rev 15	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
51Z(B2T-09) U0 STBY BUS 2 FDR (SK2) OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-23 Rev 15	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
62BSK2(B2T-09) U0 STBY BUS 2 BKR (SK2) FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-23-A Rev 13	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
62BXS2(B2T-09) U0 STBY BUS 2 BKR (SK2) FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-23-A Rev 13	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
86CT4X(B2T-09) CT4 XFMR LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-23-A Rev 13	CUTLER-HAMMER D23MRD70A1 B2T	GERS-RLY-AI2.4 BH 796
94SK2(B2T-09) U0 STBY BUS 2 FDR (SK2) AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-23-A Rev 13	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
CIR-SK2(B2T-09) U0 STBY BUS 2 FDR (SK2) CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-23-A Rev 13	CUTLER-HAMMER D26MRD30A1 B2T	GERS-RLY-AI2.4 BH 796
1DIC-26/MCB 125V PPB 1DIC BKR 26 (4KV SWGR B2T 5-9 TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-23-A Rev 13	ITE EH2 (50 A) 1DIC/PPB	NV AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: STANDBY FEEDER BUS

SUB SYSTEM: Keowee SK Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DID-27/MCB 125V PPB 1DID BKR 27 (4KV SWGR B2T 5-9 CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-23-A Rev 13	ITE EH2 (50 A) 1DID/PPB	NV AB 809
1RX/2 U1 STBY FDR BUS BKR (SK2) AUX CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-23-B Rev 6	CUTLER-HAMMER D23MRD70A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
2RX/2 U2 STBY FDR BUS BKR (SK2) AUX CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-23-B Rev 6	CUTLER-HAMMER D23MRD70A1 2EPSLP2	GERS-RLY-AI2.4 AB 809
3RX/2 U3 STBY FDR BUS BKR (SK2) AUX CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-23-B Rev 6	CUTLER-HAMMER D23MRD70A1 3EPSLP2	GERS-RLY-AI2.4 AB 809
SK2/CP U0 STBY BUS 2 FDR (SK2) CLOSE PERMISSIVE RLY	OEE-117-23-B Rev 6	STRUTHERS-DUNN 219DXBP B2T	GERS-RLY-ARS.4 BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 CONONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **STANDBY FEEDER BUS**

SUB SYSTEM: **Lee SL Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BIT-09 4KV SWGR BIT BKR 09 (STBY BKR SL1)	OEE-117-10 Rev 14	ITE 5HK-350 (3000 A) BIT	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27SL1(BIT-09) STBY BUS 1 FDR UV RLY	OEE-117-10-B Rev 7	ABB 27N 2TB-1001	CA BH 796
<i>Rugged Relay Whose Contact Chatter Does Not Effect Devices Required By SSEL.</i>			
50BSL1(BIT-09) U0 STBY BUS 1 FDR INSTANTANEOUS OC RLY	OEE-117-10 Rev 14	GENERAL-ELECTRIC CHC11A21A BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BSL1(BIT-09) BKR FAIL TIMER RLY (SL1)	OEE-117-10-A Rev 5	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXSL1(BIT-09) BKR FAIL AUX RLY (SL1)	OEE-117-10-A Rev 5	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62CT5/1(BIT-09) BKR FAIL AUX RLY (CT5)	OEE-117-10-B Rev 7	CUTLER-HAMMER D26MRD70A1/D87XEL30 2TB-1001	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94SL1(BIT-09) FDR BKR AUX TRIP RLY (SL1)	OEE-117-10-A Rev 5	WESTINGHOUSE AR (606B017A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
SLF1A STBY BUS UV AUX RLY	OEE-117-10-B Rev 7	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
SLF1B STBY BUS UV AUX RLY	OEE-117-10-B Rev 7	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
SLP1A STBY BUS UV AUX RLY (BKR SK PERMISSIVE)	OEE-117-10-B Rev 7	CUTLER-HAMMER D23MRD30A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **STANDBY FEEDER BUS**

SUB SYSTEM: **Lee SL Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
SLP1B STBY BUS UV AUX RLY (BKR SK PERMISSIVE) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-10-B Rev 7	CUTLER-HAMMER D23MRD30A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
SLXB PERMISSIVE TRIP CKT FOR XFMRs X5 & X6 <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-10-B Rev 7	CUTLER-HAMMER D26MRD70A1 B1T	CA BH 796
B2T-05 4KV SWGR B2T BKR 05 (STBY BKR SL2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-19 Rev 15	ITE 5HK-350 (3000 A) B2T	NV BH 796
27SL2 STBY BUS 2 FDR UV RLY <i>Rugged Relay Whose Contact Chatter Does Not Effect Devices Required By SSEL.</i>	OEE-117-19-B Rev 6	ABB 27N 2TB-1001	CA BH 796
50BSL2(B2T-05) U0 STBY BUS 2 FDR INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-19 Rev 15	GENERAL-ELECTRIC CHC11A21A B2T	CA BH 796
62BSL2(B2T-05) BKR FAIL TIMER RLY (SL2) <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-19-A Rev 9	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
62BXSL2(B2T-05) BKR FAIL AUX RLY (SL2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-19-A Rev 9	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
62CTS/2(B2T-05) BKR FAIL AUX RLY (CTS) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-19-B Rev 6	CUTLER-HAMMER D26MRD70A1/D87XEL30 2TB-1001	GERS-RLY-AI2.4 BH 796
94SL2(B2T-05) FDR BKR AUX TRIP RLY (SL2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-19-A Rev 9	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
SLF2A STBY BUS UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-19-B Rev 6	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **STANDBY FEEDER BUS**

SUB SYSTEM: **Lee SL Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
SLF2B STBY BUS UV AUX RLY	OEE-117-19-B Rev 6	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
SLP2A STBY BUS UV AUX RLY (BKR SK PERMISSIVE)	OEE-117-19-B Rev 6	CUTLER-HAMMER D23MRD30A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
SLP2B STBY BUS UV AUX RLY (BKR SK PERMISSIVE)	OEE-117-19-B Rev 6	CUTLER-HAMMER D23MRD30A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
SLXA PERMISSIVE TRIP CKT FOR XFMRS X5 & X6	OEE-117-19-B Rev 6	CUTLER-HAMMER D26MRD70A1 B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **STANDBY FEEDER BUS**

SUB SYSTEM: **Protective Relaying**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86SB1(B1T-07) STBY BUS 1 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-08-A Rev 11	GENERAL-ELECTRIC HEA61C240 B1T	GERS-RLY-ALO.2 BH 796
86XSB1(B1T-06) STBY BUS 1 LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-08-A Rev 11	WESTINGHOUSE MG-6/NO (288B977A19) B1T	GERS-RLY-ARH.5 BH 796
86XXSB1(B1T-06) STBY BUS 1 LOCKOUT AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-08-A Rev 11	CUTLER-HAMMER D23MRD70A1 B1T	CA BH 796
87SB1(X)(B1T-07) STBY BUS 1 DIFF RLY (X PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The Emergency Standby Bus .</i>	OEE-117-08 Rev 8	WESTINGHOUSE CA-16 (671B157A20) B1T	CNA BH 796
87SB1(Y)(B1T-07) STBY BUS 1 DIFF RLY (Y PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The Emergency Standby Bus .</i>	OEE-117-08 Rev 8	WESTINGHOUSE CA-16 (671B157A20) B1T	CNA BH 796
87SB1(Z)(B1T-07) STBY BUS 1 DIFF RLY (Z PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The Emergency Standby Bus .</i>	OEE-117-08 Rev 8	WESTINGHOUSE CA-16 (671B157A20) B1T	CNA BH 796
62SB1(B1T-07) STANDBY BUS 1 BKR FAIL TIMER RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-08-B Rev 3	WESTINGHOUSE TD-5 (293B301A25) 1KESP	EVAL (DPC 1393.00-00-0001) AB 809
86SB2(B2T-07) STBY BUS 2 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-21-A Rev 10	GENERAL-ELECTRIC HEA61C240 B2T	GERS-RLY-ALO.2 BH 796
86XSB2(B2T-06) STBY BUS 2 LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-21-A Rev 10	WESTINGHOUSE MG-6/NO (288B977A19) B2T	GERS-RLY-ARH.5 BH 796
86XXSB2(B2T-07) STBY BUS 2 LOCKOUT AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-21-A Rev 10	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **STANDBY FEEDER BUS**

SUB SYSTEM: **Protective Relaying**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
87SB2(X)(B2T-07) STBY BUS 2 DIFF RLY (X PHASE)	OEE-117-21 Rev 8	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The Emergency Standby Bus .</i>			
87SB2(Y)(B2T-07) STBY BUS 2 DIFF RLY (Y PHASE)	OEE-117-21 Rev 8	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The Emergency Standby Bus .</i>			
87SB2(Z)(B2T-07) STBY BUS 2 DIFF RLY (Z PHASE)	OEE-117-21 Rev 8	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The Emergency Standby Bus .</i>			
62SB2(B2T-07) STANDBY BUS 2 BKR FAIL TIMER RLY	OEE-117-21-B Rev 3	WESTINGHOUSE TD-5 (293B301A25) 1KESP	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U0 Auxiliary Service Water

SUB SYSTEM: AC PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BIT-10 4KV SWGR BIT BKR 10 (ASWS BKR)	OEE-117-11 Rev 2	ITE 5HK-350 (1200 A) BIT	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(BIT-10) AUX SERV WATER SWGR OC RLY (X PHASE)	OEE-117-11 Rev 2	WESTINGHOUSE CO-8 (1875277) BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The Breaker Is Normally De-energized And Requires Manual Closing.</i>			
50-51Z(BIT-10) AUX SERV WATER SWGR OC RLY (Z PHASE)	OEE-117-11 Rev 2	WESTINGHOUSE CO-8 (1875277) BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The Breaker Is Normally De-energized And Requires Manual Closing.</i>			
50G(BIT-10) AUX SERV WATER SWGR GROUND OC RLY	OEE-117-11 Rev 2	ITE GR-5 (202D6141) BIT	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ASWS-02 4KV ASWS SWITCHGEAR UNIT 2 (500 KVA XFMR)	OEE-117-86 Rev 1	ITE 5HK-350 (1200 A) ASWS	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(ASWS-2) ASWS XFMR OC RLY (X PHASE)	OEE-117-86 Rev 1	WESTINGHOUSE CO-8 (1875277) ASWS	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The Breaker Is Normally De-energized And Requires Manual Closing.</i>			
50-51Z(ASWS-2) ASWS XFMR OC RLY (Z PHASE)	OEE-117-86 Rev 1	WESTINGHOUSE CO-8 (1875277) ASWS	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The Breaker Is Normally De-energized And Requires Manual Closing.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U0 Auxiliary Service Water**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	<i>SAT*</i> Building Floor Elev
---	------------------	-------------------------------------	---------------------------------------

OCCWPU0001

AUX SERVICE WATER PUMP

ASWS-06B 600V ASW BKR 06 (ASW PUMP)	O-702-A-1 Rev 7	ITE TYPE K (600 A) ASWS	NV AB 771
--	-----------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U0 Emergency Power Switching Logic

SUB SYSTEM: Lee SL Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27CT5(A) CT5 UV RLY (PHASE A)	OEE-117-01-J Rev 4	BROWN BOVERI ITE-27N 2TB-1001	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27CT5X/A CT5 UV AUX RLY	OEE-117-01-J Rev 4	CUTLER-HAMMER D26MRD70A1 2TB-1001	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27CT5(B) CT5 UV RLY (PHASE B)	OEE-117-01-K Rev 4	BROWN BOVERI ITE-27N 2TB-1001	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27CT5X/B CT5 UV AUX RLY	OEE-117-01-K Rev 4	CUTLER-HAMMER D26MRD70A1 2TB-1001	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27CT5(C) CT5 UV RLY (PHASE C)	OEE-117-01-L Rev 4	BROWN BOVERI ITE-27N 2TB-1001	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27CT5X/C CT5 UV AUX RLY	OEE-117-01-L Rev 4	CUTLER-HAMMER D26MRD70A1 2TB-1001	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U0 SSF AUX Service Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

OCCWPU0002

SSF AUX SERVICE WATER PUMP

OTS1-02 4KV SWGR OTS1 (SSF ASW PUMP)	OEE-117-93-A Rev 0	ITE 5HK-350 (1200 A) OTS1	NV SSF 796
---	--------------------	---------------------------------	------------------

NV - Not Vulnerable To Contact Chatter.

50-51(OTS1-02) SSF ASW PUMP OC RLY	OEE-117-93-A Rev 0	ITE ITE-51L (223T5341) OTS1	NV SSF 796
---------------------------------------	--------------------	-----------------------------------	------------------

NV - Not Vulnerable To Contact Chatter.

50G(OTS1-02) SSF ASW PUMP GROUND OC RLY RLY	OEE-117-93-A Rev 0	ITE GR-5 OTS1	NV SSF 796
--	--------------------	---------------------	------------------

NV - Not Vulnerable To Contact Chatter.

CA(OTS1-2) SSF ASW PUMP AUX RLY	OEE-117-93-B Rev 2	CUTLER-HAMMER D26MRD40A1 SSF/IC1	CA SSF 797
------------------------------------	--------------------	--	------------------

Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U0 SSF HVAC**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

OCCWPU0004

SSF HVAC COOLING WATER PUMP 2

OCCWPU0003

SSF HVAC COOLING WATER PUMP 1

XSF-F02D/SSFHVACSERVWTRPUMP1/MS 600V MCC XSF-F02D STARTER (SSF HVAC SERV WTR PUMP 1)	OEE-163-10 Rev 1	GTE-SYLVANIA/CLARK BUL 6200 XSF(600V)	CA SSF 797
--	------------------	---	------------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

XSF-F02D/SSFHVACSERVWTRPUMP1/MCB 600V MCC XSF BKR F02D (SSF HVAC SERV WTR PUMP 1)	OEE-163-10 Rev 1	GENERAL-ELECTRIC THED (50 A) XSF(600V)	NV SSF 797
---	------------------	--	------------------

NV - Not Vulnerable To Contact Chatter.

XSF-F03B/SSFHVACSERVWTRPUMP2/MS 600V MCC XSF-F03B STARTER (SSF HVAC SERV WTR PUMP 2)	OEE-163-11 Rev 2	GTE-SYLVANIA BUL 6200 XSF(600V)	CA SSF 797
--	------------------	---------------------------------------	------------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

XSF-F03B/SSFHVACSERVWTRPUMP2/MCB 600V MCC XSF BKR F03B (SSF HVAC SERV WTR PUMP 2)	OEE-163-11 Rev 2	GENERAL-ELECTRIC THED (50 A) XSF(600V)	NV SSF 797
---	------------------	--	------------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 125/250V DC PWR

SUB SYSTEM: 125V DC CONTROL PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DCA-01A/MCB 125V DC 1DCA BKR 01A (1DCA TO 1DCB) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCA	NV AB 796
1DCA-01B/MCB 125V DC 1DCA BKR 01B (1CA BATT CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCA	NV AB 796
1DCA-02A/MCB 125V DC 1DCA BKR 02A (1CA CTRL BATT) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCA	NV AB 796
1DCA-02B/MCB 125V DC 1DCA BKR 02B (1CS STBY CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCA	NV AB 796
1XS1-F04A/MCB 600V MCC 1XS1 BKR F04A (1CA BATT CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-G Rev 47	GENERAL-ELECTRIC TFJ (200 A) 1XS1	NV AB 796
1DCB-01A/MCB 125V DC 1DCB BKR 01A (1DCB TO 1DCA) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCB	NV AB 796
1DCB-01B/MCB 125V DC 1DCB BKR 01B (1CB BATT CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCB	NV AB 796
1DCB-02A/MCB 125V DC 1DCB BKR 02A (1CB CTRL BATT) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCB	NV AB 796
1DCB-02B/MCB 125V DC 1DCB BKR 02B (1CS STBY CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THKM (2400/8000 A) 1DCB	NV AB 796
1XS2-F04D/MCB 600V MCC 1XS2 BKR F04D (1CB BATT CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-G Rev 47	GENERAL-ELECTRIC TFJ (200 A) 1XS2	NV AB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 125/250V DC PWR

SUB SYSTEM: 125V DC CONTROL PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DCA-03A/MCB 125V DC 1DCA BKR 03A (ISOL DIODE 1ADA) (1DIA)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DCA-03A/MCB 125V DC 2DCA BKR 03A (ISOL DIODE 1ADA) (1DIA)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCA-03B/MCB 125V DC 1DCA BKR 03B (ISOL DIODE 1ADB) (1DIB)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DCB-03A/MCB 125V DC 2DCB BKR 03A (ISOL DIODE 1ADB) (1DIB)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCB-03A/MCB 125V DC 1DCB BKR 03A (ISOL DIODE 1ADC) (1DIC)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DCA-03B/MCB 125V DC 2DCA BKR 03B (ISOL DIODE 1ADC) (1DIC)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCB-03B/MCB 125V DC 1DCB BKR 03B (ISOL DIODE 1ADD) (1DID)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DCB-03B/MCB 125V DC 2DCB BKR 03B (ISOL DIODE 1ADD) (1DID)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 125/250V DC PWR

SUB SYSTEM: 250V DC MCC AND LGT DL2 PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DL2-06/MCB 250V DC PPB 1DL2 BKR 6 (LPPB 1L21)	O-705-B Rev 23	GENERAL-ELECTRIC TEF (20A) 1DL2/PBB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F03CL/MCB 125/250V DC 1DP BKR F03CL (250V PPB 1DL2)	O-705-B Rev 23	GENERAL-ELECTRIC THEF (100 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F05AC/MCB 125/250V DC 1DP BKR F05AC (250V MOV MCC 1MVC2)	O-705-B Rev 23	GENERAL-ELECTRIC THEF (50 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F05BT/MCB 125/250V DC 1DP BKR F05BT (250V MOV MCC 1MVC3)	O-705-B Rev 23	GENERAL-ELECTRIC THEF (50 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 125/250V DC PWR

SUB SYSTEM: 250V DC PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DP-F01A/MCB 125/250V DC 1DP BKR F01A (1PA BATT)	O-705-B Rev 23	GENERAL-ELECTRIC THKM8 (2400/6400 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F01B/MCB 125/250V DC 1DP BKR F01B (1PA BATT CHGR)	O-705-B Rev 23	GENERAL-ELECTRIC THJK6 (500 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F01C/MCB 125/250V DC 1DP BKR F01C (1PS STBY CHGR)	O-705-B Rev 23	GENERAL-ELECTRIC THJK6 (500 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1XO-F01B/MCB 600V MCC 1XO BKR F01B (BATT CHARGER 1PA)	O-703-F Rev 43	GENERAL-ELECTRIC THED (150 A) 1XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F02A/MCB 125/250V DC 1DP BKR F02A (1PB BATT)	O-705-B Rev 23	GENERAL-ELECTRIC THKM8 (2400/6400 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F02B/MCB 125/250V DC 1DP BKR F02B (1PB BATT CHGR)	O-705-B Rev 23	GENERAL-ELECTRIC THJK6 (500 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F02C/MCB 125/250V DC 1DP BKR F02C (1PS BATT CHGR)	O-705-B Rev 23	GENERAL-ELECTRIC THJK6 (500 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1XP-F01C/MCB 600V MCC 1XP BKR F01C (BATT CHARGER 1PB)	O-703-E Rev 38	GENERAL-ELECTRIC THED (150 A) 1XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F04A/MCB 125/250V DC 1DP BKR F04A (1DP TO 2DP TIE MCB)	O-705-B Rev 23	GENERAL-ELECTRIC THKM8 (2400/6400 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DP-F04B/MCB 125/250V DC 1DP BKR F04B (1DP TO 2DP TIE MCB)	O-705-B Rev 23	GENERAL-ELECTRIC THKM8 (2400/6400 A) 1DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 208V PWR (PPB)**

SUB SYSTEM: **AC PWR**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XGB-F04BB/MCB 600V MCC 1XGB BKR F04BB (PPB 1KC) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC THEF (50 A) 1XGB	NV TB 796
1XP-R03AT/MCB 208V MCC 1XP BKR R03AT (PPB 1KE) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TEF6 (100 A) 1XP	NV AB 796
1XR-06BT/MCB 208V MCC 1XR BKR 6BT (208V PPB 1KG) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TEF6 (100 A) 1XR	NV AB 838
1XS1-F04C/MCB 600V MCC 1XS1 BKR F04C (208V PPB 1KSG FEEDER) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-G Rev 47	GENERAL-ELECTRIC THED (30 A) 1XS1	NV AB 796
1XS1-R04B/MCB 208V MCC 1XS1 BKR R04B (PPB 1SKJ) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-G Rev 47	GENERAL-ELECTRIC THED (70 A) 1XS1	NV AB 796
1XS2-R03CT/MCB 208V MCC 1XS2 BKR R03CT (PPB 1SKK) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-G Rev 47	GENERAL-ELECTRIC THED (70 A) 1XS2	NV AB 796
1XS3-04BT/MCB 208V MCC 1XS3 BKR 04BT (PPB 1SKL) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-G Rev 47	GENERAL-ELECTRIC THED (70 A) 1XS3	NV AB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 240/120V AC PWR

SUB SYSTEM: 120V AC AUX PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DCA-03F/MCB 125V DC 1DCA BKR 03F (AUX PWR INV 1KX) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCA	NV AB 796
1DCB-03F/MCB 125V DC 1DCB BKR 03F (AUX PWR INV 1KX) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCB	NV AB 796
1KRA-02/MCB 120V PPB 1KRA BKR 02 (1KX STATIC SWITCH & INV BYPASS) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705-A Rev 61	ITE EEI (100 A) 1KRA	NV AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 240/120V AC PWR

SUB SYSTEM: 120V AC ICS PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DCA-03E/MCB 125V DC 1DCA BKR 03E (ICS PWR INV 1KI)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCB-03E/MCB 125V DC 1DCB BKR 03E (ICS PWR INV 1KI)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KRA-01/MCB 120V PPB 1KRA BKR 01 (1KI STATIC SWITCH & INV BYPASS)	O-705-A Rev 61	ITE EEI (100 A) 1KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KI-01/(ICS)/MCB 120V PPB 1KI BKR 01 (ICS HAND PWR)	O-705-A Rev 61	ITE CC (20 A) 1KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KI-05/MCB 120V PPB 1KI BKR 05 (ICS EM PWR)	O-705-A Rev 61	ITE CC (20 A) 1KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KI-25/MCB 120V PPB 1KI BKR 25 (ICS AUTO PWR)	O-705-A Rev 61	ITE CE (50 A) 1KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 240/120V AC PWR
 SUB SYSTEM: 120V AC VITAL PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIA-33/MCB 125V PPB 1DIA BKR 33 (VITAL INV 1DIA)	O-705 Rev 59	ITE FJ2 (125 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KRA-03/MCB 120V PPB 1KRA BKR 03 (1KVIA XFER SWITCH)	O-705-A Rev 61	ITE EE1 (100 A) 1KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DIB-33/MCB 125V PPB 1DIB BKR 33 (VITAL INV 1DIB)	O-705 Rev 59	ITE FJ2 (125 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KRA-04/MCB 120V PPB 1KRA BKR 04 (1KVIB XFER SWITCH)	O-705-A Rev 61	ITE EE1 (100 A) 1KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DIC-33/MCB 125V PPB 1DIC BKR 33 (VITAL INV 1DIC)	O-705 Rev 59	ITE FJ2 (125 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KRA-05/MCB 120V PPB 1KRA BKR 05 (1KVIC XFER SWITCH)	O-705-A Rev 61	ITE EE1 (100 A) 1KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DID-33/MCB 125V PPB 1DID BKR 33 (VITAL INV 1DID)	O-705 Rev 59	ITE FJ2 (125 A) 1DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KRA-06/MCB 120V PPB 1KRA BKR 06 (1KVID XFER SWITCH)	O-705-A Rev 61	ITE EE1 (100 A) 1KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 240/120V AC PWR

SUB SYSTEM: 240/120V AC COM PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DCA-04B/MCB 125V DC 1DCA BKR 04B (COMP INV 1KU)	O-705 Rev 59	GENERAL-ELECTRIC THJK (900/3000 A) 1DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCB-04B/MCB 125V DC 1DCB BKR 04B (COMP INV 1KU)	O-705 Rev 59	GENERAL-ELECTRIC THJK (900/3000 A) 1DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KRA-13/MCB 120V PPB 1KRA BKR 13 (1KU STATIC SWITCH & INV BYPASS)	O-705-A Rev 61	ITE QJ2 (150 A) 1KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 240/120V AC PWR**

SUB SYSTEM: **240/120V AC REG PWR**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1A/MCB 240/120V 1A REGULATOR OUTPUT BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705-A Rev 61	GENERAL-ELECTRIC TJJ (250 A) 1A/MCB	NV AB 796
1B/MCB 240/120V 1B REGULATOR OUTPUT BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705-A Rev 61	GENERAL-ELECTRIC TJJ (250 A) 1B/MCB	NV AB 796
1XO-F01E/MCB 600V MCC 1XO BKR F01E (NORM PWR REG 1A) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC THEF (90 A) 1XO	NV AB 796
1XP-F01AB/MCB 600V MCC 1XP BKR F01AB (NORM PWR REG 1B) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC THEF (90 A) 1XP	NV AB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160/600V KEOWEE PWR

SUB SYSTEM: ITC-04

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ITC-04 4KV SWGR ITC BKR 04 (KEO STBY XFMR CX)	OEE-117-42 Rev 3	ITE 5HK-350 (1200 A) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(ITC-04) KEOWEE STBY XFMR CX OC RLY (X PHASE)	OEE-117-42 Rev 3	WESTINGHOUSE CO-8 (1875277) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(ITC-04) KEOWEE STBY XFMR CX OC RLY (Z PHASE)	OEE-117-42 Rev 3	WESTINGHOUSE CO-8 (1875277) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(ITC-04) KEOWEE STBY XFMR CX GND OC RLY	OEE-117-42 Rev 3	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
86CXX(ITC-04) KEOWEE STAND-BY XFMR CX LOCKOUT AUX RLY	OEE-117-42 Rev 3	STRUTHERS-DUNN 219BBXP ITC	GERS-RLY-ARS.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**

SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BIT-01 4KV SWGR BIT BKR 01 (STUP BKR E11) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-02 Rev 14	ITE 5HK-350 (3000 A) BIT	NV BH 796
50BE11(BIT-01) U1 STUP BKR E11 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-02 Rev 14	GENERAL-ELECTRIC CHC11A21A BIT	CA BH 796
51G(BIT-01) U1 STUP BKR E11 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-02 Rev 14	WESTINGHOUSE CO-6 (1876904) BIT	EVAL (OSC-6642) BH 796
51X(BIT-01) U1 STUP BKR E11 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-02 Rev 14	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
51Y(BIT-01) U1 STUP BKR E11 OC RLY (Y PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-02 Rev 14	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
51Z(BIT-01) U1 STUP BKR E11 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-02 Rev 14	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
62B11(BIT-01) U1 MAIN BUS 1 BKR FAIL TIMER RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-02-A Rev 11	WESTINGHOUSE TD-5 (293B301A25) 1EPSLP3	EVAL (DPC 1393.00-00-0001) AB 809
62BE11(BIT-01) U1 STUP BKR E11 FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-02-A Rev 11	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
62BXE11(BIT-01) U1 STUP BKR E11 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-02-A Rev 11	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
86B11(BIT-02) U1 MFB 1 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-02-A Rev 11	ELECTRO-SWITCH LOR BIT	GERS-RLY-ALO.2 BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160V PWR
 SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86E11(B1T-01) U1 STUP BKR E11 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-02-A Rev 11	GENERAL-ELECTRIC HEA61C240 B1T	GERS-RLY-ALO.2 BH 796
86XB11(B1T-02) U1 MFB 1 LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-02-A Rev 11	WESTINGHOUSE MG-6/NO (288B977A19) B1T	GERS-RLY-ARH.5 BH 796
86XXB11(B1T-02) U1 MFB 1 LOCKOUT AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-02-A Rev 11	CUTLER-HAMMER D23MRD70A1 B1T	CA BH 796
87B11(X)(B1T-02) U1 MFB 1 DIFF RLY (X PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>	OEE-117-02 Rev 14	WESTINGHOUSE CA-16 (671B157A20) B1T	CNA BH 796
87B11(Y)(B1T-02) U1 MFB 1 DIFF RLY (Y PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>	OEE-117-02 Rev 14	WESTINGHOUSE CA-16 (671B157A20) B1T	CNA BH 796
87B11(Z)(B1T-02) U1 MFB 1 DIFF RLY (Z PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>	OEE-117-02 Rev 14	WESTINGHOUSE CA-16 (671B157A20) B1T	CNA BH 796
94E11(B1T-01) U1 STUP BKR E11 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-02-A Rev 11	WESTINGHOUSE AR (606B017A09) B1T	EVAL (DPC 1393.00-00-0001) BH 796
94X1(B1T-02) U1 STUP BKR E11 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-02-A Rev 11	CUTLER-HAMMER D23MRD30A1 B1T	CA BH 796
94Y1(B1T-02) U1 STUP BKR E11 AUX TRIP RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-02-A Rev 11	CUTLER-HAMMER D23MRD30A1 B1T	GERS-RLY-AI2.4 BH 796
CIR-E11(B1T-01) U1 STUP BKR E11 CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-02-A Rev 11	CUTLER-HAMMER D26MRD30A1 B1T	GERS-RLY-AI2.4 BH 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIA-26/MCB 125V PPB 1DIA BKR 26 (4KV SWGR BIT 1-4 CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-02-A Rev 11	ITE EH2 (50 A) 1DIA/PPB	NV AB 809
1DIB-31/MCB 125V PPB 1DIB BKR 31 (4KV SWGR BIT 1-4 TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-02-A Rev 11	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
52-21/TD1 PCB 21 TRIP TD AUX RLY <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-117-02-B Rev 15	WESTINGHOUSE TD-5 (293B301A24) 1KESP	CA AB 809
ITIRA/21 U1 FAST BUS TRANSFER SEAL-IN RLY <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-117-02-B Rev 15	CUTLER-HAMMER D26MRD30A1 1KESP	CA AB 809
TDR1A(B1T-02) U1 STUP BKR E11 TIME DELAY RLY A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-02-B Rev 15	AGASTAT 2412 PB B1T	GERS-RLY-PNT.7 BH 796
TDR1B(B1T-02) U1 STUP BKR E11 TIME DELAY RLY B <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-117-02-B Rev 15	AGASTAT 2412 PB B1T	CA BH 796
B2T-13 4KV SWGR B2T BKR 13 (STUP BKR E21) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-27 Rev 15	ITE 5HK-350 (3000 A) B2T	NV BH 796
50BE21(B2T-13) U1 STUP BKR E21 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-27 Rev 15	GENERAL-ELECTRIC CHC11A21A B2T	CA BH 796
51G(B2T-13) U1 STUP BKR E21 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-27 Rev 15	WESTINGHOUSE CO-6 (1876904) B2T	EVAL (OSC-6642) BH 796
51X(B2T-13) U1 STUP BKR E21 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-27 Rev 15	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 53 of 280

SYSTEM: U1 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S47* Building Floor Elev
51Y(B2T-13) U1 STUP BKR E21 OC RLY (Y PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-27 Rev 15	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
51Z(B2T-13) U1 STUP BKR E21 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-27 Rev 15	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
62B21(B2T-13) U1 MAIN BUS 2 BKR FAIL TIMER RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-27-A Rev 9	WESTINGHOUSE TD-5 (293B301A25) 1EPSP3	EVAL (DPC 1393.00-00-0001) AB 809
62BE21(B2T-13) U1 STUP BKR E21 FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-27-A Rev 9	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
62BXE21(B2T-12) U1 STUP BKR E21 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-27-A Rev 9	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
86B21(B2T-12) U1 MFB 2 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-27-A Rev 9	GENERAL-ELECTRIC HEA61C239 B2T	GERS-RLY-ALO.2 BH 796
86E21(B2T-13) U1 STUP BKR E21 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-27-A Rev 9	GENERAL-ELECTRIC HEA61C240 B2T	GERS-RLY-ALO.2 BH 796
86TX(B2T-12) CT1 XFMR LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-27-A Rev 9	CUTLER-HAMMER D23MRD70A1 B2T	GERS-RLY-AI2.4 BH 796
86XB21(B2T-12) U1 MFB 2 LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-27-A Rev 9	WESTINGHOUSE MG-6/NO (288B977A19) B2T	GERS-RLY-ARH.5 BH 796
86XXB21(B2T-12) U1 MFB 2 LOCKOUT AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-27-A Rev 9	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160V PWR
 SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
87B21(X)(B2T-12) U1 MFB 2 DIFF RLY (X PHASE)	OEE-117-27 Rev 15	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
87B21(Y)(B2T-12) U1 MFB 2 DIFF RLY (Y PHASE)	OEE-117-27 Rev 15	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
87B21(Z)(B2T-12) U1 MFB 2 DIFF RLY (Z PHASE)	OEE-117-27 Rev 15	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
94E21(B2T-13) U1 STUP BKR E21 AUX TRIP RLY	OEE-117-27-A Rev 9	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94X1(B2T-12) U1 STUP BKR E21 AUX TRIP RLY	OEE-117-27-A Rev 9	CUTLER-HAMMER D23MRD30A1 B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94Y1(B2T-12) U1 STUP BKR E21 AUX TRIP RLY	OEE-117-27-A Rev 9	CUTLER-HAMMER D23MRD30A1 B2T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
CIR-E21(B2T-13) U1 STUP BKR E21 CLOSE RLY	OEE-117-27-A Rev 9	CUTLER-HAMMER D26MRD30A1 B2T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
1DIC-27/MCB 125V PPB 1DIC BKR 27 (4KV SWGR B2T 10-13 CLOSE/TRIP)	OEE-117-27-A Rev 9	ITE EH2 (50 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DID-28/MCB 125V PPB 1DID BKR 28 (4KV SWGR B2T 10-13 TRIP)	OEE-117-27-A Rev 9	ITE EH2 (50 A) 1DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52-21/TD2 PCB 21 TRIP TD AUX RLY	OEE-117-27-B Rev 13	WESTINGHOUSE TD-5 (293B301A24) 1KESP	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**

SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BITIRA/21 U1 FAST BUS TRANSFER SEAL-IN RLY	OEE-117-27-B Rev 13	CUTLER-HAMMER D26MRD30A1 1KESP	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
TDR1A(B2T-12) U1 STUP BKR E21 TIME DELAY RLY A	OEE-117-27-B Rev 13	AGASTAT 2412 PB B2T	GERS-RLY-PNT.7 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
TDR1B(B2T-12) U1 STUP BKR E21 TIME DELAY RLY B	OEE-117-27-B Rev 13	AGASTAT 2412 PB B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
BIT-03 4KV SWGR BIT BKR 03 (NORM BKR N11)	OEE-117-04 Rev 7	ITE 5HK-350 (3000 A) BIT	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25B11(B1T-02) U1 BUS 1 SYNC RLY	OEE-117-04-A Rev 10	WESTINGHOUSE CVE (293B285A09) BIT	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
25XB11(B1T-02) U1 BUS 1 SYNC AUX RLY	OEE-117-04-A Rev 10	WESTINGHOUSE MG-6/NO (288B977A19) BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50BN11(B1T-03) U1 NORM BKR N11 INSTANTANEOUS OC RLY	OEE-117-04 Rev 7	GENERAL-ELECTRIC CHC11A21A BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51G(B1T-03) U1 NORM BKR N11 GROUND OC RLY	OEE-117-04 Rev 7	WESTINGHOUSE CO-6 (1876904) BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(B1T-03) U1 NORM BKR N11 OC RLY (X PHASE)	OEE-117-04 Rev 7	WESTINGHOUSE, CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(B1T-03) U1 NORM BKR N11 OC RLY (Y PHASE)	OEE-117-04 Rev 7	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
51Z(B1T-03) U1 NORM BKR N11 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-04 Rev 7	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
62BN11(B1T-03) U1 NORM BKR N11 FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-04-A Rev 10	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
62BXN11(B1T-03) U1 NORM BKR N11 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-04-A Rev 10	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
62BXXN11(B1T-03) U1 NORM BKR N11 FAIL AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-04-A Rev 10	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
86N11(B1T-03) U1 NORM BKR N11 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-04-A Rev 10	GENERAL-ELECTRIC HEA61C240 BIT	GERS-RLY-ALO.2 BH 796
94N11(B1T-03) U1 NORM BKR N11 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-04-A Rev 10	WESTINGHOUSE AR (606B017A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
94TD(B1T-03) U1 NORM BKR N11 TIME DELAY TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-04-A Rev 10	AGASTAT 2422 PB BIT	CA BH 796
94X2(B1T-02) U1 STUP BKR E11 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-04-A Rev 10	CUTLER-HAMMER D23MRD30A1 BIT	CA BH 796
94Y2(B1T-02) U1 NORM BKR N11 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Equipment To Go To Its Desired Position.</i>	OEE-117-04-A Rev 10	CUTLER-HAMMER D23MRD30A1 BIT	CA BH 796
RXE1(B1T-02) U1 STUP BKR E1 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-04-A Rev 10	WESTINGHOUSE AR (606B029A13) BIT	EVAL (GIP-2 SECTION 6.4.2) BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**
 SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RXE2(B1T-02) U1 STUP BKR E2 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-04-A Rev 10	WESTINGHOUSE AR (606B029A13) B1T	EVAL (GIP-2 SECTION 6.4.2) BH 796
B2T-11 4KV SWGR B2T BKR 11 (NORM BKR N21) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-25 Rev 9	ITE 5HK-350 (3000 A) B2T	NV BH 796
25B21(B2T-12) U1 BUS 2 SYNC RLY <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-25-A Rev 12	WESTINGHOUSE CVE (293B285A09) B2T	CA BH 796
25XB21(B2T-12) U1 BUS 2 SYNC AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-25-A Rev 12	WESTINGHOUSE MG-6/NO (288B977A19) B2T	CA BH 796
50BN21(B2T-11) U1 NORM BKR N21 INSTANTANEOUS OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-25 Rev 9	GENERAL-ELECTRIC CHC11A21A B2T	EVAL (OSC-6642) BH 796
51G(B2T-11) U1 NORM BKR N21 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-25 Rev 9	WESTINGHOUSE CO-6 (1876904) B2T	EVAL (OSC-6642) BH 796
51X(B2T-11) U1 NORM BKR N21 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-25 Rev 9	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
51Y(B2T-11) U1 NORM BKR N21 OC RLY (Y PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-25 Rev 9	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
51Z(B2T-11) U1 NORM BKR N21 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-25 Rev 9	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
62BN21(B2T-11) U1 NORM BKR N21 FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-25-A Rev 12	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 CONONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 58 of 280

SYSTEM: U1 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62BXN21(B2T-12) U1 NORM BKR N21 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-25-A Rev 12	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
62BXXN21(B2T-12) U1 NORM BKR N21 FAIL AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-25-A Rev 12	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
86/1TX1(B2T-11) U1 GEN LOCKOUT AUX RLY <i>Rugged Relay Whose Contact Chatter Can Trip And Lockout Normal Feeder Breakers.</i>	OEE-117-25-A Rev 12	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796
86N21(B2T-11) U1 NORM BKR N21 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-25-A Rev 12	GENERAL-ELECTRIC HEA61C240 B2T	GERS-RLY-ALO.2 BH 796
94N21(B2T-11) U1 NORM BKR N21 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-25-A Rev 12	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
94TD(B2T-12) U1 NORM BKR N21 TIME DELAY TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-25-A Rev 12	AGASTAT 2422 PB B2T	CA BH 796
94X2(B2T-12) U1 NORM BKR N21 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-25-A Rev 12	CUTLER-HAMMER D23MRD30A1 B2T	CA BH 796
94Y2(B2T-12) U1 NORM BKR N21 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Equipment To Go To Its Desired Position.</i>	OEE-117-25-A Rev 12	CUTLER-HAMMER D23MRD30A1 B2T	CA BH 796
RYE1(B2T-12) U1 STUP BKR E1 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-25-A Rev 12	WESTINGHOUSE AR (606B029A13) B2T	EVAL (GIP-2 SECTION 6.4.2) BH 796
RYE2(B2T-12) U1 STUP BKR E2 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-25-A Rev 12	WESTINGHOUSE AR (606B029A13) B2T	EVAL (GIP-2 SECTION 6.4.2) BH 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**
 SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BIT-06 4KV SWGR BIT BKR 06 (STBY BKR S11)	OEE-117-07 Rev 9	ITE 5HK-350 (3000 A) BIT	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25S11(BIT-06) U1 STBY BUS 1 SYNC RLY	OEE-117-07-A Rev 10	WESTINGHOUSE CVE-1 (292B353A17) BIT	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
50BS11(BIT-06) U1 STBY BKR S11 INSTANTANEOUS OC RLY	OEE-117-07 Rev 9	GENERAL-ELECTRIC CHC11A21A BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BS11(BIT-06) U1 STBY BKR S11 FAIL TIMER RLY	OEE-117-07-A Rev 10	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXS11(BIT-06) U1 STBY BKR S11 FAIL AUX RLY	OEE-117-07-A Rev 10	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94S11(BIT-06) U1 STBY BKR S11 AUX TRIP RLY	OEE-117-07-A Rev 10	WESTINGHOUSE AR (606B017A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
CIR-S11(BIT-06) U1 STBY BKR S11CLOSE RLY	OEE-117-07-A Rev 10	CUTLER-HAMMER D26MRD30A1 BIT	GERS-RLY-A12.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
1SBCX-1A U1 STBY BKR S11 AUX CLOSE RLY A	OEE-117-07-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
1SBCX-1B U1 STBY BKR S11 AUX CLOSE RLY B	OEE-117-07-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
1SDS-1A U1 STBY BKR S11 LOGIC TRIP AUX RLY	OEE-117-07-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**
 SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1STD-1A U1 STBY BKR S11 LOGIC TIME DELAY TRIP RLY A	OEE-117-07-B Rev 4	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
1STD-1AX U1 STBY BKR S11 LOGIC TIME DELAY TRIP AUX RLY A	OEE-117-07-B Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1STD-1B U1 STBY BKR S11 LOGIC TIME DELAY TRIP RLY B	OEE-117-07-B Rev 4	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
1STD-1BX U1 STBY BKR S11 LOGIC TIME DELAY TRIP AUX RLY B	OEE-117-07-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
B2T-08 4KV SWGR B2T BKR 08 (STBY BKR S21)	OEE-117-22 Rev 8	ITE 5HK-350 (3000 A) B2T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25S21(B2T-08) U1 STBY BUS 2 SYNC RLY	OEE-117-22-A Rev 9	WESTINGHOUSE CVE-1 (292B353A17) B2T	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
50BS21(B2T-08) U1 STBY BKR S21 INSTANTANEOUS OC RLY	OEE-117-22 Rev 8	GENERAL-ELECTRIC CHC11A21A B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BS21(B2T-08) U1 STBY BKR S21 FAIL TIMER RLY	OEE-117-22 Rev 8	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXS21(B2T-08) U1 STBY BKR S21 FAIL AUX RLY	OEE-117-22-A Rev 9	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94S21(B2T-08) U1 STBY BKR S21 AUX TRIP RLY	OEE-117-22-A Rev 9	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**
 SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CIR-S21(B2T-08) U1 STBY BKR S21 CLOSE RLY	OEE-117-22-A Rev 9	CUTLER-HAMMER D26MRD30A1 B2T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
1SBCX-2A U1 STBY BKR S21 AUX CLOSE RLY A	OEE-117-22-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
1SBCX-2B U1 STBY BKR S21 AUX CLOSE RLY B	OEE-117-22-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
1SDS-2A U1 STBY BKR S21 LOGIC TRIP AUX RLY	OEE-117-22-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1STD-2A U1 STBY BKR S21 LOGIC TIME DELAY TRIP RLY A	OEE-117-22-B Rev 4	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
1STD-2AX U1 STBY BKR S21 LOGIC TIME DELAY TRIP AUX RLY A	OEE-117-22-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1STD-2B U1 STBY BKR S21 LOGIC TIME DELAY TRIP RLY B	OEE-117-22-B Rev 4	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
1STD-2BX U1 STBY BKR S21 LOGIC TIME DELAY TRIP AUX RLY B	OEE-117-22-B Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TC-01 4KV SWGR 1TC BKR 01 (UNIT 1, FDR BUS 2)	OEE-117-39 Rev 3	ITE 5HK-350 (2000 A) 1TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(1TC-01) FDR BKR 1TC-01 INSTANTANEOUS OC RLY	OEE-117-39 Rev 3	GENERAL-ELECTRIC CHC11A21A 1TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(1TC-01) FDR BKR 1TC-01 GROUND OC RLY	OEE-117-39 Rev 3	WESTINGHOUSE CO-6 (1876904) 1TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(1TC-01) FDR BKR 1TC-01 OC RLY (X PHASE)	OEE-117-39 Rev 3	WESTINGHOUSE CO-8 (1875267) 1TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(1TC-01) FDR BKR 1TC-01 OC RLY (Z PHASE)	OEE-117-39 Rev 3	WESTINGHOUSE CO-8 (1875267) 1TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(1TC-01) FDR BKR 1TC-01 BKR FAIL RLY	OEE-117-39 Rev 3	WESTINGHOUSE TD-5 (293B301A24) 1TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(1TC-01) FDR BKR 1TC-01 BKR FAIL AUX RLY	OEE-117-39 Rev 3	WESTINGHOUSE AR (606B029A09) 1TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(1TC-01) FDR BKR 1TC-01 LOCKOUT RLY	OEE-117-39 Rev 3	GENERAL-ELECTRIC HEA61C240 1TC	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(1TC-01) FDR BKR 1TC-01 AUX TRIP RLY	OEE-117-39 Rev 3	WESTINGHOUSE AR (606B029A09) 1TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1DIA-25/(1TC-01)/MCB 125V PPB 1DIA BKR 25 (4KV SWGR 1TC CLOSE/TRIP)	OEE-117-39 Rev 3	ITE EH2 (50 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 63 of 280

SYSTEM: U1 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIB-15/(1TC-01)/MCB 125V PPB 1DIB BKR 15 (4KV SWGR 1TC TRIP)	OEE-117-39 Rev 3	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1TC-14 4KV SWGR 1TC BKR 14 (UNIT 1, FDR BUS 1)	OEE-117-52 Rev 4	ITE 5HK-350 (2000 A) 1TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(1TC-14) FDR BKR 1TC-14 INSTANTANEOUS OC RLY	OEE-117-52 Rev 4	GENERAL-ELECTRIC CHC11A21A 1TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(1TC-14) FDR BKR 1TC-14 GROUND OC RLY	OEE-117-52 Rev 4	WESTINGHOUSE CO-6 (1876904) 1TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(1TC-14) FDR BKR 1TC-14 OC RLY (X PHASE)	OEE-117-52 Rev 4	WESTINGHOUSE CO-8 (1875267) 1TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(1TC-14) FDR BKR 1TC-14 OC RLY (Z PHASE)	OEE-117-52 Rev 4	WESTINGHOUSE CO-8 (1875267) 1TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(1TC-14) FDR BKR 1TC-14 BKR FAIL RLY	OEE-117-52 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 1TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(1TC-14) FDR BKR 1TC-14 BKR FAIL AUX RLY	OEE-117-52 Rev 4	WESTINGHOUSE AR (606B029A09) 1TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(1TC-14) FDR BKR 1TC-14 LOCKOUT RLY	OEE-117-52 Rev 4	GENERAL-ELECTRIC HEA61C240 1TC	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(1TC-14) FDR BKR 1TC-14 AUX TRIP RLY	OEE-117-52 Rev 4	WESTINGHOUSE AR (606B029A09) 1TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIA-25/(1TC-14)/MCB 125V PPB 1DIA BKR 25 (4KV SWGR 1TC CLOSE/TRIP)	OEE-117-52 Rev 4	ITE EH2 (50 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DIB-15/(1TC-14)/MCB 125V PPB 1DIB BKR 15 (4KV SWGR 1TC TRIP)	OEE-117-52 Rev 4	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1TD-01 4KV SWGR 1TD BKR 01 (UNIT 1, FDR BUS 2)	OEE-117-54 Rev 4	ITE 5HK-350 (2000 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(1TD-01) FDR BKR 1TD-01 INSTANTANEOUS OC RLY	OEE-117-54 Rev 4	GENERAL-ELECTRIC CHC11A21A 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(1TD-01) FDR BKR 1TD-01 GROUND OC RLY	OEE-117-54 Rev 4	WESTINGHOUSE CO-6 (1876904) 1TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(1TD-01) FDR BKR 1TD-01 OC RLY (X PHASE)	OEE-117-54 Rev 4	WESTINGHOUSE CO-8 (1875267) 1TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(1TD-01) FDR BKR 1TD-01 OC RLY (Z PHASE)	OEE-117-54 Rev 4	WESTINGHOUSE CO-8 (1875267) 1TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(1TD-01) FDR BKR 1TD-01 BKR FAIL RLY	OEE-117-54 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(1TD-01) FDR BKR 1TD-01 BKR FAIL AUX RLY	OEE-117-54 Rev 4	WESTINGHOUSE AR (606B029A09) 1TD	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(1TD-01) FDR BKR 1TD-01 LOCKOUT RLY	OEE-117-54 Rev 4	GENERAL-ELECTRIC HEA61C240 1TD	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**

SUB SYSTEM: **Switchgear Supply Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
94(1TD-01) FDR BKR 1TD-01 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-54 Rev 4	WESTINGHOUSE AR (606B029A09) 1TD	EVAL (DPC 1393.00-00-0001) TB 796
1DIA-32/(1TD-01)/MCB 125V PPB 1DIA BKR 32 (4KV SWGR 1TD TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-54 Rev 4	ITE EH2 (50 A) 1DIA/PPB	NV AB 809
1DIB-32/(1TD-01)/MCB 125V PPB 1DIB BKR 32 (4KV SWGR 1TD CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-54 Rev 4	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
1TD-14 4KV SWGR 1TD BKR 14 (UNIT 1, FDR BUS 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-67 Rev 7	ITE 5HK-350 (2000 A) 1TD	NV TB 796
50B(1TD-14) FDR BKR 1TD-14 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-67 Rev 7	GENERAL-ELECTRIC CHC11A21A 1TD	CA TB 796
51G(1TD-14) FDR BKR 1TD-14 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-67 Rev 7	WESTINGHOUSE CO-6 (1876904) 1TD	EVAL (OSC-6642) TB 796
51X(1TD-14) FDR BKR 1TD-14 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-67 Rev 7	WESTINGHOUSE CO-8 (1875267) 1TD	EVAL (OSC-6642) TB 796
51Z(1TD-14) FDR BKR 1TD-14 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-67 Rev 7	WESTINGHOUSE CO-8 (1875267) 1TD	EVAL (OSC-6642) TB 796
62B(1TD-14) FDR BKR 1TD-14 BKR FAIL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-67 Rev 7	WESTINGHOUSE TD-5 (293B301A24) 1TD	CA TB 796
62BX(1TD-14) FDR BKR 1TD-14 BKR FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-67 Rev 7	WESTINGHOUSE AR (606B029A09) 1TD	EVAL (DPC 1393.00-00-0001) TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 4160V PWR**

SUB SYSTEM: **Switchgear Supply Breakers**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86(1TD-14) FDR BKR 1TD-14 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-67 Rev 7	GENERAL-ELECTRIC HEA61C240 1TD	GERS-RLY-ALO.2 L1 TB 796
94(1TD-14) FDR BKR 1TD-14 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-67 Rev 7	WESTINGHOUSE AR (606B029A09) 1TD	EVAL (DPC 1393.00-00-0001) TB 796
1DIA-32/(1TD-14)/MCB 125V PPB 1DIA BKR 32 (4KV SWGR 1TD TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-67 Rev 7	ITE EH2 (50 A) 1DIA/PPB	NV AB 809
1DIB-32/(1TD-14)/MCB 125V PPB 1DIB BKR 32 (4KV SWGR 1TD CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-67 Rev 7	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
1TE-01 4KV SWGR 1TE BKR 01 (UNIT 1, FDR BUS 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-68 Rev 4	ITE 5HK-350 (2000 A) 1TE	NV TB 796
50B(1TE-01) FDR BKR 1TE-01 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-68 Rev 4	GENERAL-ELECTRIC CHC11A21A 1TE	CA TB 796
51G(1TE-01) FDR BKR 1TE-01 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-68 Rev 4	WESTINGHOUSE CO-6 (1876904) 1TE	EVAL (OSC-6642) TB 796
51X(1TE-01) FDR BKR 1TE-01 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-68 Rev 4	WESTINGHOUSE CO-8 (1875267) 1TE	EVAL (OSC-6642) TB 796
51Z(1TE-01) FDR BKR 1TE-01 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-68 Rev 4	WESTINGHOUSE CO-8 (1875267) 1TE	EVAL (OSC-6642) TB 796
62B(1TE-01) FDR BKR 1TE-01 BKR FAIL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-68 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 1TE	CA TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 67 of 280

SYSTEM: U1 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S47* Building Floor Elev
62BX(ITE-01) FDR BKR 1TE-01 BKR FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-68 Rev 4	WESTINGHOUSE AR (606B029A09) 1TE	EVAL (DPC 1393.00-00-0001) TB 796
86(1TE-01) FDR BKR 1TE-01 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-68 Rev 4	GENERAL-ELECTRIC HEA61C240 1TE	GERS-RLY-ALO.2 L1 TB 796
94(1TE-01) FDR BKR 1TE-01 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-68 Rev 4	WESTINGHOUSE AR (606B029A09) 1TE	EVAL (DPC 1393.00-00-0001) TB 796
1DIB-16/(1TE-01)/MCB 125V PPB 1DIB BKR 16 (4KV SWGR 1TE TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-68 Rev 4	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
1DIC-28/(1TE-01)/MCB 125V PPB 1DIC BKR 28 (4KV SWGR 1TE CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-68 Rev 4	ITE EH2 (50 A) 1DIC/PPB	NV AB 809
1TE-14 4KV SWGR 1TE BKR 14 (UNIT 1, FDR BUS 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-81 Rev 5	ITE 5HK-350 (2000 A) 1TE	NV TB 796
50B(ITE-14) FDR BKR 1TE-14 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-81 Rev 5	GENERAL-ELECTRIC CHC11A21A 1TE	CA TB 796
51G(ITE-14) FDR BKR 1TE-14 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-81 Rev 5	WESTINGHOUSE CO-6 (1876904) 1TE	EVAL (OSC-6642) TB 796
51X(ITE-14) FDR BKR 1TE-14 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-81 Rev 5	WESTINGHOUSE CO-8 (1875267) 1TE	EVAL (OSC-6642) TB 796
51Z(ITE-14) FDR BKR 1TE-14 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-81 Rev 5	WESTINGHOUSE CO-8 (1875267) 1TE	EVAL (OSC-6642) TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62B(ITE-14) FDR BKR 1TE-14 BKR FAIL RLY	OEE-117-81 Rev 5	WESTINGHOUSE TD-5 (293B301A24) 1TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(ITE-14) FDR BKR 1TE-14 BKR FAIL AUX RLY	OEE-117-81 Rev 5	WESTINGHOUSE AR (606B029A09) 1TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(ITE-14) FDR BKR 1TE-14 LOCKOUT RLY	OEE-117-81 Rev 5	GENERAL-ELECTRIC HEA61C240 1TE	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(ITE-14) FDR BKR 1TE-14 AUX TRIP RLY	OEE-117-81 Rev 5	WESTINGHOUSE AR (606B029A09) 1TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1DIB-16/(ITE-14)/MCB 125V PPB 1DIB BKR 16 (4KV SWGR 1TE TRIP)	OEE-117-81 Rev 5	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DIC-28/(ITE-14)/MCB 125V PPB 1DIC BKR 28 (4KV SWGR 1TE CLOSE/TRIP)	OEE-117-81 Rev 5	ITE EH2 (50 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600/208V MOTOR CONTROL

SUB SYSTEM: 208 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XA-F07AT/MCB 600V MCC 1XA BKR F07AT (208V MCC 1XA) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC THEF (30 A) 1XA	NV TB 796
1XA-R05BB/MCB 208V MCC 1XA BKR R05BB (208V MCC 1XA-A) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC TEF (70 A) 1XA	NV TB 796
1XC-F01AT/MCB 600V MCC 1XC BKR F01AT (208V MCC 1XC) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-C Rev 45	GENERAL-ELECTRIC THEF (30 A) 1XC	NV TB 775
1XGB-F04AT/MCB 600V MCC 1XGB BKR F04AT (208V MCC 1XGB) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC THEF (100 A) 1XGB	NV TB 796
1XL-04AT/MCB 600V MCC 1XL BKR 04AT (208V MCC 1XL) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-D Rev 34	GENERAL-ELECTRIC THEF (100 A) 1XL	NV AB 771
1XN-02AT/MCB 600V MCC 1XN BKR 02AT (208V MCC 1XN) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC THEF (100 A) 1XN	NV AB 771
1XO-F05B/MCB 600V MCC 1XO BKR F05B (208V MCC 1XO) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TFJ (150 A) 1XO	NV AB 796
1XP-F05B/MCB 600V MCC 1XP BKR F05B (208V MCC 1XP) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TFJ (150 A) 1XP	NV AB 796
1XR-05B 600V MCC 1XR BKR 5B (208V MCC 1XR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TFJ (150 A) 1XR	NV AB 838
1XS1-F05AT/MCB 600V MCC 1XS1 BKR F05AT (208V MCC 1XS1) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-G Rev 47	GENERAL-ELECTRIC THEF (50A) 1XS1	NV AB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 600/208V MOTOR CONTROL**

SUB SYSTEM: **600 V**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1X01-04C 600V LC 1X01 BKR 04C (600V MCC 1XA) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (600 A) 1X01	NV TB 796
1XA-F03A/MCB 600V MCC 1XA BKR F03A (1XA NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC TB6 (600 A) 1XA	NV TB 796
1X02-06A 600V LC 1X02 BKR 06A (600V MCC 1XA) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (600 A) 1X02	NV TB 796
1XA-F04A/MCB 600V MCC 1XA BKR F04A (1XA EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC TB6 (600 A) 1XA	NV TB 796
1X02-04C 600V LC 1X02 BKR 04C (600V MCC 1XB) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (600 A) 1X02	NV TB 796
1XB-03A/MCB 600V MCC 1XB BKR 03A (1XB NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-A Rev 34	GENERAL-ELECTRIC TB6 (600 A) 1XB	NV TB 775
1X04-06A 600V LC 1X04 BKR 06A (600V MCC 1XB) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (600 A) 1X04	NV TB 796
1XB-04A/MCB 600V MCC 1XB BKR 04A (1XB EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-A Rev 34	GENERAL-ELECTRIC TB6 (600 A) 1XB	NV TB 775
1X04-04C 600V LC 1X04 BKR 04C (600V MCC 1XC) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (500 A) 1X04	NV TB 796
1XC-F03A/MCB 600V MCC 1XC BKR F03A (1XC NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-C Rev 45	GENERAL-ELECTRIC TB6 (600 A) 1XC	NV TB 775

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1X02-06B 600V LC 1X02 BKR 06B (600V MCC 1XC) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (500 A) 1X02	NV TB 796
1XC-F04A/MCB 600V MCC 1XC BKR F04A (1XC EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-C Rev 45	GENERAL-ELECTRIC TB6 (600 A) 1XC	NV TB 775
1X01-05D 600V LC 1X01 BKR 05D (600V MCC 1XGB) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (400 A) 1X01	NV TB 796
1XGB-F02A/MCB 600V MCC 1XGB BKR F02A (1XGB NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC TB4 (400 A) 1XGB	NV TB 796
1X04-06D 600V LC 1X04 BKR 06D (600V MCC 1XGB) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (400 A) 1X04	NV TB 796
1XGB-F03A/MCB 600V MCC 1XGB BKR F03A (1XGB EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703 Rev 52	GENERAL-ELECTRIC TB4 (400 A) 1XGB	NV TB 796
1X06-04C 600V LC 1X06 BKR 04C (600V MCC 1XI) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (600 A) 1X06	NV TB 796
1XI-01A/MCB 600V MCC 1XI BKR 01A (1XI NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TB6 (600 A) 1XI	NV AB 809
1X05-06B 600V LC 1X05 BKR 06B (600V MCC 1XI) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (600 A) 1X05	NV TB 796
1XI-05A/MCB 600V MCC 1XI BKR 05A (1XI EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TB6 (600 A) 1XI	NV AB 809

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1X07-04C 600V LC 1X07 BKR 04C (600V MCC 1XJ) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (600 A) 1X07	NV TB 796
1XJ-01A/MCB 600V MCC 1XJ BKR 01A (1XJ NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TB6 (600 A) 1XJ	NV AB 809
1X06-06A 600V LC 1X06 BKR 06A (600V MCC 1XJ) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (600 A) 1X06	NV TB 796
1XJ-05A/MCB 600V MCC 1XJ BKR 05A (1XJ EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TB6 (600 A) 1XJ	NV AB 809
1X05-04D 600V LC 1X05 BKR 04D (600V MCC 1XK) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (200 A) 1X05	NV TB 796
1XK-02A/MCB 600V MCC 1XK BKR 02A (1XK NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-D Rev 34	GENERAL-ELECTRIC TB4 (200 A) 1XK	NV AB 809
1X06-06B 600V LC 1X06 BKR 06B (600V MCC 1XK) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (200 A) 1X06	NV TB 796
1XK-02B/MCB 600V MCC 1XK BKR 02B (1XK EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-D Rev 34	GENERAL-ELECTRIC TB4 (200 A) 1XK	NV AB 809
1X05-05C 600V LC 1X05 BKR 05C (600V MCC 1XL) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (400 A) 1X05	NV TB 796
1XL-02A/MCB 600V MCC 1XL BKR 02A (1XL NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-D Rev 34	GENERAL-ELECTRIC TB4 (400 A) 1XL	NV AB 771

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 600/208V MOTOR CONTROL**

SUB SYSTEM: **600 V**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1X06-06D 600V LC 1X06 BKR 06D (600V MCC 1XL) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (400 A) 1X06	NV TB 796
1XL-03A/MCB 600V MCC 1XL BKR 03A (1XL EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-D Rev 34	GENERAL-ELECTRIC TB4 (400 A) 1XL	NV AB 771
1X06-05B 600V LC 1X06 BKR 05B (600V MCC 1XN) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (400 A) 1X06	NV TB 796
1XN-01A/MCB 600V MCC 1XN BKR 01A (1XN NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TB4 (400 A) 1XN	NV AB 771
1X07-06C 600V LC 1X07 BKR 06C (600V MCC 1XN) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (400 A) 1X07	NV TB 796
1XN-03A/MCB 600V MCC 1XN BKR 03A (1XN EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TB4 (400 A) 1XN	NV AB 771
1X07-05B 600V LC 1X07 BKR 05B (600V MCC 1XO) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (600 A) 1X07	NV TB 796
1XO-F02A/MCB 600V MCC 1X0 BKR F02A (1XO NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TB6 (600 A) 1XO	NV AB 796
1X05-06A 600V LC 1X05 BKR 06A (600V MCC 1XO) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (600 A) 1X05	NV TB 796
1XO-F03A/MCB 600V MCC 1XO BKR F03A (1XO EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TB6 (600 A) 1XO	NV AB 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1X06-04D 600V LC 1X06 BKR 04D (600V MCC 1XP) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (600 A) 1X06	NV TB 796
1XP-F02A/MCB 600V MCC 1XP BKR F02A (1XP NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TB6 (600 A) 1XP	NV AB 796
1X07-06D 600V LC 1X07 BKR 06D (600V MCC 1XP) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (600 A) 1X07	NV TB 796
1XP-F03A/MCB 600V MCC 1XP BKR F03A (1XP EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-E Rev 38	GENERAL-ELECTRIC TB6 (600 A) 1XP	NV AB 796
1X07-04D 600V LC 1X07 BKR 04D (600V MCC 1XR) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-03 Rev 6	ITE K1600 (400 A) 1X07	NV TB 796
1XR-01A 600V MCC 1XR BKR 1A (1XR NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TB4 (400 A) 1XR	NV AB 838
1X06-06C 600V LC 1X06 BKR 06C (600V MCC 1XR) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-04 Rev 0	ITE K1600 (400 A) 1X06	NV TB 796
1XR-05A 600V MCC 1XR BKR 5A (1XR EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-F Rev 43	GENERAL-ELECTRIC TB4 (400 A) 1XR	NV AB 838
1X08-05A 600V LC 1X08 BKR 05A (600V MCC 1XS1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-05 Rev 3	ITE K600 (350A) 1X08	NV AB 796
1X09-05A 600V LC 1X09 BKR 05A (600V MCC 1XS2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-116-05 Rev 3	ITE K600 (350A) 1X09	NV AB 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 600/208V MOTOR CONTROL**

SUB SYSTEM: **600 V**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1X08-05B 600V LC 1X08 BKR 05B (600V MCC 1XSF)	OEE-116-05 Rev 3	ITE K600 (275A) 1X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1XSF-F05A(600V)/MCB 600V MCC 1XSF BKR F05A (1XSF NORM FDR BKR)	O-703-K Rev 24	GENERAL-ELECTRIC TJC (400 A) 1XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **1X01**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ITC-13 4KV SWGR ITC BKR 13 (600V XFMR 1X01)	OEE-117-51 Rev 4	ITE 5HK-350 (1200 A) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(ITC-13) XFMR 1X01 UV RLY	OEE-117-51 Rev 4	WESTINGHOUSE CV-2 (1875508) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(ITC-13) XFMR 1X01 OC RLY (X PHASE)	OEE-117-51 Rev 4	WESTINGHOUSE CO-8 (1875277) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(ITC-13) XFMR 1X01 OC RLY (Z PHASE)	OEE-117-51 Rev 4	WESTINGHOUSE CO-8 (1875277) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(ITC-13) XFMR 1X01 GROUND OC RLY	OEE-117-51 Rev 4	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1X01-04A 600V LC 1X01 BKR 04A (1X01 NORM FDR BKR)	O-703 Rev 52	ITE K2000 (1600 A) 1X01	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X01) 600V LC 1X01 UV RLY	OEE-116-02 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(1X01) 600V LC 1X01 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(1X01) 600V LC 1X01 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X3(1X01) 600V LC 1X01 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X01

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DID-13/MCB 125V PPB 1DID BKR 13 (600V LC 1X1)	OEE-116-02 Rev 3	ITE EH2 (20 A) 1DID/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **1X02**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TD-13 4KV SWGR 1TD BKR 13 (600V XFMR 1X02)	OEE-117-66 Rev 5	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1TD-13) XFMR 1X02 UV RLY	OEE-117-66 Rev 5	WESTINGHOUSE CV-2 (1875508) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(1TD-13) XFMR 1X02 OC RLY (X PHASE)	OEE-117-66 Rev 5	WESTINGHOUSE CO-8 (1875277) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TD-13) XFMR 1X02 OC RLY (Z PHASE)	OEE-117-66 Rev 5	WESTINGHOUSE CO-8 (1875277) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TD-13) XFMR 1X02 FDR GROUND OC RLY	OEE-117-66 Rev 5	ITE GR-5 (202D6141) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1X02-04A 600V LC 1X02 BKR 04A (1X02 NORM FDR BKR)	O-703-A Rev 34	ITE K2000 (1600 A) 1X02	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X02) 600V LC 1X02 UV RLY	OEE-116-02 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(1X02) 600V LC 1X02 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(1X02) 600V LC 1X02 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(1X02) 600V LC 1X02 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A42F 1X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X02

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1DIC-16/MCB 125V PPB 1DIC BKR 16 (600V LC 1X2)	OEE-116-02 Rev 3	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X04

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TE-03 4KV SWGR 1TE BKR 03 (600V XFMR 1X04)	OEE-117-70 Rev 4	ITE 5HK-350 (1200 A) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1TE-03) XFMR 1X04 UV RLY	OEE-117-70 Rev 4	WESTINGHOUSE CV-2 (1875508) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(1TE-03) XFMR 1X04 OC RLY (X PHASE)	OEE-117-70 Rev 4	WESTINGHOUSE CO-8 (1875277) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TE-03) XFMR 1X04 OC RLY (Z PHASE)	OEE-117-70 Rev 4	WESTINGHOUSE CO-8 (1875277) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TE-03) XFMR 1X04 GROUND OC RLY	OEE-117-70 Rev 4	ITE GR-5 (202D6141) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1X04-04A 600V LC 1X04 BKR 04A (1X04 NORM FDR BKR)	O-703-C Rev 45	ITE K2000 (1600 A) 1X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X04) 600V LC 1X04 UV RLY	OEE-116-02 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(1X04) 600V LC 1X04 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(1X04) 600V LC 1X04 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(1X04) 600V LC 1X04 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A42F 1X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X04

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X5(1X04) 600V LC 1X04 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A42F 1X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1DIC-17/MCB 125V PPB 1DIC BKR 17 (600V LC 1X4)	OEE-116-02 Rev 3	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X05

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TD-02 4KV SWGR 1TD BKR 02 (600V XFMR 1X05)	OEE-117-55 Rev 9	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(1TD-02) XFMR 1X05 OC RLY (X PHASE)	OEE-117-55 Rev 9	WESTINGHOUSE CO-8 (1875277) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TD-02) XFMR 1X05 OC RLY (Z PHASE)	OEE-117-55 Rev 9	WESTINGHOUSE CO-8 (1875277) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TD-02) XFMR 1X05 GROUND OC RLY	OEE-117-55 Rev 9	ITE GR-5 (202D6141) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1TX5A(1TD-02) LOADSHED CONTROL TIMING RLY (XFMR 1X5)	OEE-117-55-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1TX5B(1TD-02) LOADSHED CONTROL TIMING RLY (XFMR 1X5)	OEE-117-55-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1X5A(1TD-02) LOADSHED CONTROL RLY (XFMR 1X05)	OEE-117-55-A Rev 0	CUTLER-HAMMER D26MRD70A1 1TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
1X5B(1TD-02) LOADSHED CONTROL RLY (XFMR 1X05)	OEE-117-55-A Rev 0	CUTLER-HAMMER D26MRD70A1 1TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
1X05-04A 600V LC 1X05 BKR 04A (1X05 NORM FDR BKR)	O-703-D Rev 34	ITE K2000 (1600 A) 1X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X05) 600V LC 1X05 UV RLY	OEE-116-02 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X05

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X(1X05) 600V LC 1X05 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(1X05) 600V LC 1X05 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X3(1X05) 600V LC 1X05 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(1X05) 600V LC 1X05 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A42F 1X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1DID-15/MCB 125V PPB 1DID BKR 15 (600V LC 1X5)	OEE-116-02 Rev 3	ITE EH2 (20 A) 1DID/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **1X06**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ITE-02 4KV SWGR 1TE BKR 02 (600V XFMR 1X06)	OEE-117-69 Rev 7	ITE 5HK-350 (1200 A) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(1TE-02) XFMR 1X06 OC RLY (X PHASE)	OEE-117-69 Rev 7	WESTINGHOUSE CO-8 (1875277) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TE-02) XFMR 1X06 OC RLY (Z PHASE)	OEE-117-69 Rev 7	WESTINGHOUSE CO-8 (1875277) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TE-02) XFMR 1X06 GROUND OC RLY	OEE-117-69 Rev 7	ITE GR-5 (202D6141) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1TX6A(1TE-02) LOADSHED CONTROL TIMING RLY (XFMR 1X6)	OEE-117-69-A Rev 0	CUTLER-HAMMER D26MRD70A1/87XEL30 1TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1TX6B(1TE-02) LOADSHED CONTROL TIMING RLY (XFMR 1X6)	OEE-117-69-A Rev 0	CUTLER-HAMMER D26MRD70A1/87XEL30 1TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1X6A(1TE-02) LOADSHED CONTROL RLY (XFMR 1X06)	OEE-117-69-A Rev 0	CUTLER-HAMMER D26MRD70A1 1TE	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
1X6B(1TE-02) LOADSHED CONTROL RLY (XFMR 1X06)	OEE-117-69-A Rev 0	CUTLER-HAMMER D26MRD70A1 1TE	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
1X06-04A 600V LC 1X06 BKR 04A (1X06 NORM FDR BKR)	O-703-E Rev 38	ITE K2000 (1600 A) 1X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X06) 600V LC 1X06 UV RLY	OEE-116-02 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X06

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X(1X06) 600V LC 1X06 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(1X06) 600V LC 1X06 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X2(1X06) 600V LC 1X06 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(1X06) 600V LC 1X06 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A42F 1X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(1X06) 600V LC 1X06 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A42F 1X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1DIC-18/MCB 125V PPB 1DIC BKR 18 (600V LC 1X6)	OEE-116-02 Rev 3	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X07

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ITC-02 4KV SWGR ITC BKR 02 (600V XFMR 1X07)	OEE-117-40 Rev 6	ITE SHK-350 (1200 A) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(ITC-02) XFMR 1X07 OC RLY (X PHASE)	OEE-117-40 Rev 6	WESTINGHOUSE CO-8 (1875277) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(ITC-02) XFMR 1X07 OC RLY (Z PHASE)	OEE-117-40 Rev 6	WESTINGHOUSE CO-8 (1875277) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(ITC-02) XFMR 1X07 GROUND OC RLY	OEE-117-40 Rev 6	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ITX7-1 LOADSHED CONTROL TIMING RLY (XFMR 1X7)	OEE-117-40-A Rev 1	AGASTAT E7012PE004 ITC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
ITX7-1X LOADSHED CONTROL TIMING AUX RLY (XFMR 1X7)	OEE-117-40-A Rev 1	CUTLER-HAMMER D26MRD70A1 ITC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
ITX7-2 LOADSHED CONTROL TIMING RLY (XFMR 1X7)	OEE-117-53-A Rev 0	AGASTAT E7012PE004 ITC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1X07-04A 600V LC 1X07 BKR 04A (1X07 NORM FDR BKR)	O-703-F Rev 43	ITE K2000 (1600 A) 1X07	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X07) 600V LC 1X07 UV RLY	OEE-116-02 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X07	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(1X07) 600V LC 1X07 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X07	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **1X07**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X1(1X07) 600V LC 1X07 AUX UV RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X07	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X2(1X07) 600V LC 1X07 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X07	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(1X07) 600V LC 1X07 UV AUX RLY	OEE-116-02 Rev 3	GENERAL-ELECTRIC HFA51A42F 1X07	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1DID-17/MCB 125V PPB 1DID BKR 17 (600V LC 1X7)	OEE-116-02 Rev 3	ITE EH2 (20 A) 1DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X08

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TC-03 4KV SWGR 1TC BKR 03 (600V XFMR 1X08)	OEE-117-41 Rev 4	ITE 5HK-350 (1200 A) 1TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(1TC-03) XFMR 1X08 OC RLY (X PHASE)	OEE-117-41 Rev 4	WESTINGHOUSE CO-8 (1875277) 1TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TC-03) XFMR 1X08 OC RLY (Z PHASE)	OEE-117-41 Rev 4	WESTINGHOUSE CO-8 (1875277) 1TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TC-03) XFMR 1X08 GROUND OC RLY	OEE-117-41 Rev 4	ITE GR-5 (202D6141) 1TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1X08-04A 600V LC 1X08 BKR 04A (1X08 NORM FDR BKR)	O-703-G Rev 47	ITE K1600 (1600 A) 1X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X08) 600V LC 1X08 UV RLY	OEE-116-01 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X(1X08) 600V LC 1X08 AUX UV RLY	OEE-116-01 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X1(1X08) 600V LC 1X08 AUX UV RLY	OEE-116-01 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
1DIA-03/MCB 125V PPB 1DIA BKR 03 (600V LC 1X8)	OEE-116-01 Rev 3	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X09

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TD-03 4KV SWGR 1TD BKR 03 (600V XFMR 1X09)	OEE-117-56 Rev 4	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(1TD-03) XFMR 1X09 OC RLY (X PHASE)	OEE-117-56 Rev 4	WESTINGHOUSE CO-8 (1875277) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TD-03) XFMR 1X09 OC RLY (Z PHASE)	OEE-117-56 Rev 4	WESTINGHOUSE CO-8 (1875277) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TD-03) XFMR 1X09 GROUND OC RLY	OEE-117-56 Rev 4	ITE GR-5 (202D6141) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1X09-04A 600V LC 1X09 BKR 04A (1X09 NORM FDR BKR)	O-703-G Rev 47	ITE K1600 (1600 A) 1X09	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1X09) 600V LC 1X09 UV RLY	OEE-116-01 Rev 3	WESTINGHOUSE CV-7 (1875524) 1X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X(1X09) 600V LC 1X09 AUX UV RLY	OEE-116-01 Rev 3	GENERAL-ELECTRIC HFA51A46F 1X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X1(1X09) 600V LC 1X09 AUX UV RLY	OEE-116-01 Rev 3	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 1X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
1DIB-20/MCB 125V PPB 1DIB BKR 20 (600V LC 1X9)	OEE-116-01 Rev 3	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 600V PWR (LOAD CENTERS)

SUB SYSTEM: 1X10

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ITE-12 4KV SWGR 1TE BKR 12 (600V XFMR 1X10)	OEE-117-79 Rev 7	ITE 5HK-350 (1200 A) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(ITE-12) XFMR 1X10 OC RLY (X PHASE)	OEE-117-79 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(ITE-12) XFMR 1X10 OC RLY (Z PHASE)	OEE-117-79 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(ITE-12) XFMR 1X10 GROUND OC RLY	OEE-117-79 Rev 7	ITE GR-5 (202D6141) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: FWPT A Controls

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

1MSVA0040

FWPT STOP VALVE

1FDWPS0246 FWP 1A SUCTION PRESS SWITCH (1MS-40)	OEE-146 Rev 15	UNITED ELECTRIC J6-9575 (CAT # 670) 1SGFP	CA TB 775
--	----------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1FDWPS0255 FWPT 1A DISCHARGE PRESSURE (HIGH) SWITCH	OEE-146-17 Rev 5	MELETRON CO. ME-312-6SS49A 1MC-D24	CA TB 775
---	------------------	--	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1TOPS170-A(PS1A) FWPT 1A STOP VALVE RESET (1MS-40)	OEE-146 Rev 15	SQUARE-D AGS11-9013 1FDWTR0001	CA TB 775
---	----------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

1TOPS171-A(PS2A) FWPT 1A THRUST BEARING WEAR ALARM	OEE-146 Rev 15	SQUARE-D ALG5-9013 1FDWTR0001	CA TB 775
---	----------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1TOPS179-A(PS11A) FWPT 1A TRIP SOLENOID BLOCKED (1MS-40)	OEE-146 Rev 15	SQUARE-D AGS11-9013 1FDWTR0001	CA TB 775
---	----------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1TOPS180-A(PS12A) FWPT 1A THRUST BEARING WEAR	OEE-146 Rev 15	SQUARE-D ALG5-9013 1FDWTR0001	CA TB 775
--	----------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1TOPS302-A(PS19A) FWPT 1A BEARING OIL PRESS LOW (1MS-40)	OEE-146 Rev 15	SQUARE-D 9012-GAW-22 1FDWTR0001	CA TB 775
---	----------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

OLT/LOWLEVELA/U1 OIL LEVEL TRIP SWITCH (1MS-40)	OEE-146 Rev 15	MAGNETROL TF21-F-M4 1FDWTR0001	CA TB 775
--	----------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1PS255X FWPT CONTROL RLY (FWPT 1A CONTROLS) (1MS-40)	OEE-146-17 Rev 5	STRUTHERS-DUNN 219ABAP 1TTC6	CA TB 796
--	------------------	------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: FWPT A Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

FPTX/U1 FWPT TRIP AUX RLY	OEE-121-44 Rev 6	CUTLER-HAMMER D23MRD21A1 1EHTC1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

SPTDA/U1 SUCTION PRESS TRIP DELAY TIMER (1MS-40)	OEE-146 Rev 15	AGASTAT 7012 PC 1SGFP	CA TB 775
---	----------------	-----------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

IDIA-06/MCB 125V PPB IDIA BKR 06 (FWPT TRIP RLY FPTX/U1)	OEE-121-44 Rev 6	ITE EH2 (20 A) IDIA/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IDP-F06BR/MCB 125/250V DC 1DP BKR F06BR (FWPT 1A MISC CONT) (1MS-40)	OEE-146 Rev 15	GENERAL-ELECTRIC THEF (50 A) IDP	NV TB 796
--	----------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: FWPT B Controls

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

IMSV A0043

FWPT STOP VALVE

1FDWPS0248 FWP 1B SUCTION PRESS SWITCH (IMS-43)	OEE-146-01 Rev 15	UNITED ELECTRIC J6-9575 (CAT # 670) 1SGFP	CA TB 775
--	-------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1FDWPS0256 FWPT 1B DISCHARGE PRESSURE (HIGH) SWITCH	OEE-146-18 Rev 6	MELETRON CO. ME-312-6SS49A 1MC-E25	CA TB 775
---	------------------	--	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

ITOPS186-A(PS1A) FWPT 1B STOP VALVE ALARM PRESS SWITCH (IMS-43)	OEE-146-01 Rev 15	SQUARE-D AGS11-9013 1FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

ITOPS187-A(PS2A) FWPT 1B THRUST BEARING WEAR TRIP (IMS-43)	OEE-146-01 Rev 15	SQUARE-D ALG5-9013 1FDWTR0002	CA TB 775
---	-------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

ITOPS195-A(PS11A) FWPT 1B TRIP SOLENOID BLOCKED (IMS-43)	OEE-146-01 Rev 15	SQUARE-D AGS11-9013 1FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

ITOPS196-A(PS12A) FWPT 1B INACTIVE THRUST BEARING WEAR (IMS-43)	OEE-146-01 Rev 15	SQUARE-D ALG5-9013 1FDWTR0002	CA TB 775
---	-------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

ITOPS303-A(PS19A) FWPT 1B BEARING OIL PRESS LOW (IMS-43)	OEE-146-01 Rev 15	SQUARE-D 9012-GAW-22 1FDWTR0002	CA TB 775
---	-------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

OLT/LOWLEVELB/U1(ITOLS0627) OIL LEVEL TRIP SWITCH (IMS-43)	OEE-146-01 Rev 15	MAGNETROL TF21-F-M4 1FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

IPS256X FWPT CONTROL RLY (FWPT 1B CONTROLS) (IMS-43)	OEE-146-18 Rev 6	STRUTHERS-DUNN 219ABAP 1TTC6	CA TB 796
--	------------------	------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: FWPT B Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

SPTDB/U1 SUCTION PRESS TRIP DELAY TIMER (1MS-43)	OEE-146-01 Rev 15	AGASTAT 7012 PC 1SGFP	CA TB 775
---	-------------------	-----------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

IDP-F06DC/MCB 125/250V DC 1DP BKR F06DC (FWPT 1B MISC CONT) (1MS-43)	OEE-146-01 Rev 15	GENERAL-ELECTRIC THEF (50 A) 1DP	NV TB 796
--	-------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Condensate**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICPU0010			
HOTWELL PUMP 1A			
ITC-08 4KV SWGR ITC BKR 08 (HWP 1A)	OEE-117-46 Rev 10	ITE 5HK-350 (1200 A) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(ITC-08) HOTWELL PUMP 1A UV RLY	OEE-117-46 Rev 10	WESTINGHOUSE CV-2 (1875508) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(ITC-08) HOTWELL PUMP 1A OC RLY (X PHASE)	OEE-117-46 Rev 10	WESTINGHOUSE CO-5 (1875241) ITC	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50-51Z(ITC-08) HOTWELL PUMP 1A OC RLY (Z PHASE)	OEE-117-46 Rev 10	WESTINGHOUSE CO-5 (1875241) ITC	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(ITC-08) HOTWELL PUMP 1A GROUND OC RLY	OEE-117-46 Rev 10	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICPU0011			
HOTWELL PUMP 1B			
1TD-06 4KV SWGR 1TD BKR 06 (HWP 1B)	OEE-117-59 Rev 7	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1TD-06) HOTWELL PUMP 1B UV RLY	OEE-117-59 Rev 7	WESTINGHOUSE CV-2 (1875508) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(1TD-06) HOTWELL PUMP 1B OC RLY (X PHASE)	OEE-117-59 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51Z(1TD-06) HOTWELL PUMP 1B OC RLY (Z PHASE)	OEE-117-59 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(1TD-06) HOTWELL PUMP 1B GROUND OC RLY	OEE-117-59 Rev 7	ITE GR-5 (202D6141) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICPU0012			
HOTWELL PUMP 1C			
1TE-06 4KV SWGR 1TE BKR 06 (HWP 1C)	OEE-117-73 Rev 7	ITE 5HK-350 (1200 A) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1TE-06) HOTWELL PUMP 1C UV RLY	OEE-117-73 Rev 7	WESTINGHOUSE CV-2 (1875508) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(1TE-06) HOTWELL PUMP 1C OC RLY (X PHASE)	OEE-117-73 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TE	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50-51Z(1TE-06) HOTWELL PUMP 1C OC RLY (Z PHASE)	OEE-117-73 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TE	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(1TE-06) HOTWELL PUMP 1C GROUND OC RLY	OEE-117-73 Rev 7	ITE GR-5 (202D6141) 1TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

ICVA0152

UST RISER ISOLATION

CX1/U1 UST BOTTOM TIE VALVE CONT RLY	OEE-145-54 Rev 16	CUTLER-HAMMER D23MR80A 1MTC3	GERS-RLY-AI2.4 AB 809
---	-------------------	------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

1XGB-R06B/(1C-152)/MS 208V MCC 1XGB-R06C STARTER (1C-152)	OEE-145-33 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XGB	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1KE-09/MCB 120V PPB 1KE BKR 09 (COND MISC CONTROLS)	OEE-145-54 Rev 16	GENERAL-ELECTRIC TQL (30 A) IKE	NV AB 796
--	-------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1XGB-R06B/(1C-152)/MCB 208V MCC 1XGB BKR R06B (1C-152)	OEE-145-33 Rev 3	GENERAL-ELECTRIC TEF6 (15/35 A) 1XGB	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

ICVA0153

UST RISER ISOLATION

1XGB-R06A/(1C-153)/MS 208V MCC 1XGB-R06A STARTER (1C-153)	OEE-145-33 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XGB	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XGB-R06A/(1C-153)/MCB 208V MCC 1XGB BKR R06A (1C-153)	OEE-145-33 Rev 3	GENERAL-ELECTRIC TEF6 (15/35 A) 1XGB	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

ICVA0156

UST RISER ISOLATION

1XGA-F07C/(1C-156)/MS 208V MCC 1XGA-F07C STARTER (1C-156)	OEE-145-34 Rev 1	CLARK BUL 6030 CY-1 (H1) 1XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XGA-F07C/(1C-156)/MCB 208V MCC 1XGA BKR F07C (1C-156)	OEE-145-34 Rev 1	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICVA0158 UST RISER ISOLATION			
1XGA-F07D/(1C-158)/MS 208V MCC 1XGA-F07D STARTER (1C-158)	OEE-145-35 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XGA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XGA-F07D/(1C-158)/MCB 208V MCC 1XGA BKR F07D (1C-158)	OEE-145-35 Rev 2	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICVA0160 UST SUPPLY ISOL TO TDEFWP			
1XC-R01D/(1C-160)/MS 208V MCC 1XC-R01D STARTER (1C-160)	OEE-145-37 Rev 1	CLARK BUL 6030 CY-1 (H1) 1XC	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XC-R01D/(1C-160)/MCB 208V MCC 1XC BKR R01D (1C-160)	OEE-145-37 Rev 1	GENERAL-ELECTRIC TEF6 (28/68 A) 1XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICVA0176 UST TO COND ISOL VALVE			
ICPS0015 UST MAKEUP LEVEL CONTROL (PS-15)	OEE-145-73 Rev 0	ITT BARTON 581A-2 ICPS0015	CNA TB 838
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves C-176,C-187, And C-192.</i>			
ICPS0036 UST MAKEUP LEVEL CONTROL (PS-36)	OEE-145-73 Rev 0	ITT BARTON 581A-2 ICPS0036	CNA TB 838
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves C-176,C-187, And C-192.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCOONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 100 of 280

SYSTEM: U1 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BGAA UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-73 Rev 0	CUTLER-HAMMER D26MR22A 1AT3	GERS-RLY-AI2.4 AB 809
BGAB UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-73 Rev 0	CUTLER-HAMMER D26MR22A 1AT3	GERS-RLY-AI2.4 AB 809
1KA-26/MCB(Condensate) 120V PPB 1KA BKR 26 (UST MAKEUP C-176,C-187, & C-192) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-74 Rev 0	GENERAL-ELECTRIC TQL (20A) 1KA	NV TB 775
1SKK-24/MCB(Condensate) 120V PPB 1SKK BKR 24 (UST MAKEUP C-176,C-187, & C-192) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-73 Rev 0	SQUARE-D QOB (20 A) 1SKK	NV AB 809
ICVA0225 POL DEMIN ISOL VALVE (BACKWASH INLET W/A VALVE)			
CR-15 POL DEMIN ISOL VALVE C-225 AUX RELAY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
CR-28 POL DEMIN ISOL AUX RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
CR-37 POL DEMIN ISOL VALVE C-225 AUX RELAY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
ICVA0232 POL DEMIN ISOL VALVE (DRAIN U/A VALVE)			
CR-14 POL DEMIN ISOL VALVE C-232 AUX RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 CONONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR-36 POL DEMIN ISOL VALVE C-232 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-1 POL DEMIN ISOL AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-2 POL DEMIN ISOL VALVE C-232 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
ICVA0233			
POL DEMIN ISOL VALVE (BACKWASH INLET W/B VALVE)			
CR-17 POL DEMIN ISOL VALVE C-233 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-39 POL DEMIN ISOL VALVE C-233 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
ICVA0237			
POL DEMIN ISOL VALVE (DRAIN U/B VALVE)			
CR-16 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-38 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-3 POL DEMIN ISOL AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
LR-4 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1CVA0240			
POL DEMIN ISOL VALVE (BACKWASH INLET W/C VALVE)			
CR-19 POL DEMIN ISOL VALVE C-240 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-41 POL DEMIN ISOL VALVE C-240 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1CVA0244			
POL DEMIN ISOL VALVE (DRAIN U/C VALVE)			
CR-18 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-40 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-5 POL DEMIN ISOL AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-6 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1CVA0247			
POL DEMIN ISOL VALVE (BACKWASH INLET W/D VALVE)			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR-21 POL DEMIN ISOL VALVE C-247 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-43 POL DEMIN ISOL VALVE C-247 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
ICVA0251			
POL DEMIN ISOL VALVE (DRAIN U/D VALVE)			
CR-20 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-42 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-7 POL DEMIN ISOL AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-8 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
ICVA0254			
POL DEMIN ISOL VALVE (BACKWASH INLET W/E VALVE)			
CR-23 POL DEMIN ISOL VALVE C-254 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-45 POL DEMIN ISOL VALVE C-254 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICVA0258			
POL DEMIN ISOL VALVE (DRAIN U/E VALVE)			
CR-22 POL DEMIN ISOL VALVE C-258 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-44 POL DEMIN ISOL VALVE C-258 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-10 POL DEMIN ISOL VALVE C-258 AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-9 POL DEMIN ISOL AUX RELAY	OM 225A-36 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
ICVA0391			
HOTWELL SUPPLY ISOL TO TDEFW			
1XC-R01E/(1C-391)/MS 208V MCC 1XC STARTER (1C-391)	OEE-145-36 Rev 1	CLARK BUL 6030 CY-1 (H1) 1XC	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XC-R01E/(1C-391)/MCB 208V MCC 1XC BKR R01D (1C-391)	OEE-145-36 Rev 1	GENERAL-ELECTRIC TEF6 (15/35 A) 1XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 105 of 280

SYSTEM: U1 Condensate DC Interlocks

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1CPS0227 CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-145-00-A Rev 11	UNITED ELECTRIC J6-358 1FDWPS0227	CA TB 775
1TOPS0176B FWPT 1A BEARING OIL PRESS LOW <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>	OEE-145-00-A Rev 11	SQUARE D ALG3-9013-DR 1A TBOX EH	CNA TB 775
1TOPS0192B FWPT 1B BEARING OIL PRESS LOW <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>	OEE-145-00-A Rev 11	SQUARE D ALG3-9013-DR 1B TBOX EH	CNA TB 775
1R01 FWPT 1A BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
1R02 FWPT 1A BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
1R03 FWPT 1B BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
1R04 FWPT 1B BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
1R07 CBP SUCTION HEADER LOW PRESSURE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	CA AB 809
1R09 FWP 1A SUCTION VALVE CLOSED RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
1R10 FWP 1A SUCTION VALVE CLOSED RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 106 of 280

SYSTEM: U1 Condensate DC Interlocks

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIA-20/MCB 125V PPB 1DIA BKR 20 (COND DC INTLKS)	OEE-145-00-A Rev 11	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWPS0251 FDW PUMP 1A DISCH PRESS LOW	OEE-145-00-B Rev 12	STATIC-O-RING 9NN-K45-N4-F1A 1MC-D24	CNA TB 775
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>			
1FDWPS0253 FDW PUMP 1B DISCH PRESS LOW	OEE-145-00-B Rev 12	STATIC-O-RING 9NN-K45-N4-F1A 1MC-E25	CNA TB 775
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>			
1R11 FWP 1B SUCTION VALVE CLOSED RLY	OEE-145-00-B Rev 12	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1R12 FWP 1B SUCTION VALVE CLOSED RLY	OEE-145-00-B Rev 12	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1R13 FWP DISCHARGE HEADER LOW PRESSURE RLY	OEE-145-00-B Rev 12	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1R14 FWP DISCHARGE HEADER LOW PRESSURE RLY	OEE-145-00-B Rev 12	CUTLER-HAMMER D23MRD70A1 1MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1R251 FWP A DISCHARGE HEADER LOW PRESSURE RLY	OEE-145-00-B Rev 12	CUTLER-HAMMER D26MRD40A1 1MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1R253 FWP B DISCHARGE HEADER LOW PRESSURE RLY	OEE-145-00-B Rev 12	CUTLER-HAMMER D26MRD40A1 1MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27/1DIA20A PWR MONITORING RLY (Condensate Support)	OEE-145-00-B Rev 12	CUTLER-HAMMER D23MR40A 1MTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 107 of 280

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1EDO EM CCW DISCH VALVES OPEN RLY	OEE-136-03 Rev 9	CUTLER-HAMMER D23MRD70A1 1MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1ETPR U1 EM TRIP PUMP RESET RLY	OEE-136-01 Rev 13	CUTLER-HAMMER D23MRD30A1 1MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Momentarily Block Tripping Of CCW Pumps By ETX Relay .</i>			
1ETPRT CCW EM PUMP TRIP RESTART TIMER	OEE-136-01 Rev 13	CUTLER-HAMMER D23MRD30A1 1MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Momentarily Block Tripping Of CCW Pumps By ETX Relay .</i>			
1ETX EM TRIP AUX RLY	OEE-136-01 Rev 13	CUTLER-HAMMER D23MRD704A1 1MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1POX ALL CCW PUMPS OFF UNIT 1 CCW SYS CONT RLY	OEE-136-02 Rev 11	CUTLER-HAMMER D23MRD704A1 1MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
1POX1 ALL CCWP OFF AUX RLY	OEE-136-02 Rev 11	CUTLER-HAMMER D23MRD30A1 1MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1POX1T ALL CCW PUMPS OFF TIMER	OEE-136-02 Rev 11	CUTLER-HAMMER D23MRD30A1 1MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
1POX2 ALL CCW PUMPS OFF AUX TIMER	OEE-136-02 Rev 11	AGASTAT A7012 PE 1MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
1UPOX CCW SYSTEM CONT RLY	OEE-136-03 Rev 9	CUTLER-HAMMER D23MRD704A1 1MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1UPOX1 CCW SYSTEM CONT RLY	OEE-136-03 Rev 9	CUTLER-HAMMER D23MRD704A1 1MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 108 of 280

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CCWPX/1A CCW PUMP 1A AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-01 Rev 13	CUTLER-HAMMER D23MRD704A1 1MTC1	GERS-RLY-AI2.4 AB 809
CCWPX/1B CCW PUMP 1B AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-01 Rev 13	CUTLER-HAMMER D23MRD704A1 1MTC1	GERS-RLY-AI2.4 AB 809
CCWPX/1C CCW PUMP 1C AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-01 Rev 13	CUTLER-HAMMER D23MRD704A1 1MTC1	GERS-RLY-AI2.4 AB 809
CCWPX/1D CCW PUMP 1D AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-01 Rev 13	CUTLER-HAMMER D23MRD704A1 1MTC1	GERS-RLY-AI2.4 AB 809
S-222/1ET CCW EM TRIP RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-01 Rev 13	GENERAL-ELECTRIC HEA61C246 1AB3	GERS-RLY-ALO.2 AB 822
1DIA-19/MCB 125V PPB 1DIA BKR 19 (CCW AND VAC PRIMING) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-01 Rev 13	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
CRIP/AH/U1 CCW INLET PIPE A HIGH POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-20 Rev 6	B/W CONTROLS LH 1TB-111	CA YD 796
CRIP/AM/U1 CCW INLET PIPE A MID POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-20 Rev 6	B/W CONTROLS LH 1TB-112	CA YD 796
CRIPX/AH/U1 CCW PIPE A HIGH POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-20 Rev 6	CUTLER-HAMMER D23MR40A 1MTC1	CA AB 809
CRIPX/AM/U1 CCW PIPE A MID POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-20 Rev 6	CUTLER-HAMMER D23MR40A 1MTC1	CA AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 109 of 280

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1KVID-03/MCB 120V PPB 1KVID BKR 03 (CCW WATER LVL CONTROLS) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-20 Rev 6	ITE QP1 (20 A) 1KVID	NV AB 809
CRIP/BH/U1 CCW INLET PIPE B HIGH POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-21 Rev 8	B/W CONTROLS LH 1TB-111	CA YD 796
CRIP/BM/U1 CCW INLET PIPE B MID POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-21 Rev 8	B/W CONTROLS LH 1TB-111	CA YD 796
CRIPX/BH/U1 CCW PIPE B HIGH POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-21 Rev 8	CUTLER-HAMMER D23MR40A 1MTC1	CA AB 809
CRIPX/BM/U1 CCW PIPE B MID POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-136-21 Rev 8	CUTLER-HAMMER D23MR40A 1MTC1	CA AB 809
1POX3 ONLY 1 CCW PUMP OPER IN STAT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-23 Rev 11	CUTLER-HAMMER D23MR804A 1MTC1	GERS-RLY-AI2.4 AB 809
1POX4 CCW TIME DELAY RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-23 Rev 11	AGASTAT 2412 AD 1MTC1	GERS-RLY-PNT.7 AB 809
1POX5 CCW SYS CONTROL RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-23 Rev 11	CUTLER-HAMMER D26MR40A 1MTC1	GERS-RLY-AI2.4 AB 809
POL/AH/U1 CCW WATER LEVEL LATCHING RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-22 Rev 2	CUTLER-HAMMER D23MR402A 1MTC1	GERS-RLY-AI2.4 AB 809
POL/AM/U1 CCW WATER LEVEL LATCHING RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-22 Rev 2	CUTLER-HAMMER D23MR402A 1MTC1	GERS-RLY-AI2.4 AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
POL/BH/U1 CCW WATER LEVEL LATCHING RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-22 Rev 2	CUTLER-HAMMER D23MR402A 1MTC1	GERS-RLY-AI2.4 AB 809
POL/BM/U1 CCW WATER LEVEL LATCHING RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-136-22 Rev 2	CUTLER-HAMMER D23MR402A 1MTC1	GERS-RLY-AI2.4 AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICCWPU0001 CCW PUMP 1A			
1TC-05 4KV SWGR ITC BKR 05 (CCWP 1A)	OEE-117-43 Rev 7	ITE 5HK-350 (1200 A) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1TC-05) CCW PUMP 1A UV RLY	OEE-117-43 Rev 7	WESTINGHOUSE CV-2 (1875508) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(1TC-05) CCW PUMP 1A FDR OC (X PHASE)	OEE-117-43 Rev 7	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TC-05) CCW PUMP 1A OC RLY (Z PHASE)	OEE-117-43 Rev 7	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TC-05) CCW PUMP 1A GROUND OC RLY	OEE-117-43 Rev 7	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICCWPU0002 CCW PUMP 1B			
1TD-04 4KV SWGR 1TD BKR 04 (CCWP 1B)	OEE-117-57 Rev 7	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(1TD-04) CCW PUMP 1B UV RLY	OEE-117-57 Rev 7	WESTINGHOUSE CV-2 (1875508) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(1TD-04) CCW PUMP 1B OC RLY (X PHASE)	OEE-117-57 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Condenser Circulating Water**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51Z(1TD-04) CCW PUMP 1B OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-57 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(1TD-04) CCW PUMP 1B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-57 Rev 7	ITE GR-5 (202D6141) 1TD	NV TB 796
ICCWPU0003 CCW PUMP 1C			
ITE-04 4KV SWGR ITE BKR 04 (CCWP 1C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-71 Rev 6	ITE 5HK-350 (1200 A) 1TE	NV TB 796
27(1TE-04) CCW PUMP 1C UV RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-71 Rev 6	WESTINGHOUSE CV-2 (1875508) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51X(1TE-04) CCW PUMP 1C OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-71 Rev 6	WESTINGHOUSE CO-5 (1875241) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(1TE-04) CCW PUMP 1C OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-71 Rev 6	WESTINGHOUSE CO-5 (1875241) 1TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(1TE-04) CCW PUMP 1C GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-71 Rev 6	ITE GR-5 (202D6141) 1TE	NV TB 796
ICCWPU0004 CCW PUMP 1D			
ITC-06 4KV SWGR ITC BKR 06 (CCWP 1D) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-44 Rev 7	ITE 5HK-350 (1200 A) ITC	NV TB 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: UI Condenser Circulating Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27(1TC-06) CCW PUMP 1D UV RLY	OEE-117-44 Rev 7	WESTINGHOUSE CV-2 (1875508) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(1TC-06) CCW PUMP 1D FDR OC (X PHASE)	OEE-117-44 Rev 7	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TC-06) CCW PUMP 1D OC RLY (Z PHASE)	OEE-117-44 Rev 7	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TC-06) CCW PUMP 1D GROUND OC RLY	OEE-117-44 Rev 7	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CCWPU0024			
EFWPT OIL COOLER PUMP			
1R06 LOW EFDWP BEARING OIL PRESSURE RELAY	OEE-145-00-A Rev 11	CUTLER-HAMMER D23MRD70A1 1MTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1R06T LOW EFDWP BEARING OIL PRESSURE AUX TD RELAY	OEE-145-00-A Rev 11	AGASTAT A7012PE 1MTC2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS3-04C/(1EFDWTP OIL COOL WTR PUMP)/MS 208V MCC 1XS3-04C STARTER (EFWPT OIL COOL WATER PUMP)	OEE-136-29 Rev 1	CLARK BUL 6013 CY-1 (G1) 1XS3	CA AB 796
<i>Rugged Starter Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS3-04C/(1EFDWTP OIL COOL WTR PUMP)/MCB 208V MCC 1XS3 BKR 04C (EFWP BRG OIL COOL PUMP)	OEE-136-29 Rev 1	GENERAL-ELECTRIC TEF6 (15 A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

ICCWVA0001
 CCW EM DISCH ISOL

1MVC2-01A/ICCW-1/MS 250V MCC 1MVC2-01A STARTER (CCW-1)	OEE-136-08 Rev 3	CLARK BUL 6258 CY-1 1MVC2	EVAL (MCC QUAL) TB 775
---	------------------	---------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1MVC2-01A/MCB 250V MCC 1MVC2 BKR 01A (CCW-1)	OEE-136-08 Rev 3	GENERAL-ELECTRIC THEF (15/35 A) 1MVC2	NV TB 775
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

ICCWVA0002
 CCW EM DISCH ISOL

1MVC2-01B/ICCW-2/MS 250V MCC 1MVC2-01B STARTER (CCW-2)	OEE-136-09 Rev 3	CLARK BUL 6258 CY-1 1MVC2	EVAL (MCC QUAL) TB 775
---	------------------	---------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1MVC2-01B/MCB 250V MCC 1MVC2 BKR 01B (CCW-2)	OEE-136-09 Rev 3	GENERAL-ELECTRIC THEF (15/35 A) 1MVC2	NV TB 775
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

ICCWVA0003
 CCW EM DISCH ISOL

1MVC2-01C/ICCW-3/MS 250V MCC 1MVC2-01C STARTER (CCW-3)	OEE-136-10 Rev 4	CLARK BUL 6258 CY-1 1MVC2	EVAL (MCC QUAL) TB 775
---	------------------	---------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1MVC2-01C/MCB 250V MCC 1MVC2 BKR 01C (CCW-3)	OEE-136-10 Rev 4	GENERAL-ELECTRIC THEF (15/35 A) 1MVC2	NV TB 775
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

ICCWVA0004
 CCW EM DISCH ISOL

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1MVC2-01D/1CCW-4/MS 250V MCC 1MVC2-01D STARTER (CCW-4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-11 Rev 3	CLARK BUL 6258 CY-1 1MVC2	EVAL (MCC QUAL) TB 775
1MVC2-01D/MCB 250V MCC 1MVC2 BKR 01D (CCW-4) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-11 Rev 3	GENERAL-ELECTRIC THEF (15/35 A) 1MVC2	NV TB 775
ICCWVA0005 CCW EM DISCH ISOL			
1MVC2-02A/1CCW-5/MS 250V MCC 1MVC2-02A STARTER (CCW-5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-12 Rev 3	CLARK BUL 6258 CY-1 1MVC2	EVAL (MCC QUAL) TB 775
1MVC2-02A/MCB 250V MCC 1MVC2 BKR 02A (CCW-5) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-12 Rev 3	GENERAL-ELECTRIC THEF (15/35 A) 1MVC2	NV TB 775
ICCWVA0006 CCW EM DISCH ISOL			
1MVC2-02B/1CCW-6/MS 250V MCC 1MVC2-02B STARTER (CCW-6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-13 Rev 3	CLARK BUL 6258 CY-1 1MVC2	EVAL (MCC QUAL) TB 775
1MVC2-02B/MCB 250V MCC 1MVC2 BKR 02B (CCW-6) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-13 Rev 3	GENERAL-ELECTRIC THEF (15/35 A) 1MVC2	NV TB 775
CCWVA0008 EM DISCHARGE VALVE			
1DP-F05C/(CCW-8)/MS 125/250V DC 1DP-F05C STARTER (CCW-8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-15 Rev 10	CLARK BUL 6258 1DP	EVAL (MCC QUAL) TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 116 of 280

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DP-F05C/(CCW-8)/MCB 125/250V DC 1DP BKR F05C (CCW-8)	OEE-136-15 Rev 10	GENERAL-ELECTRIC THED (40 A) IDP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICCWVA0010 DISCH ISOL VALVE			
1XS1-F02C/(ICCW-10)/MS 600V MCC 1XS1-F02C STARTER (ICCW-10)	OEE-136-04 Rev 6	CLARK BUL 6030 CY-1 (B1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-F02C/(ICCW-10)/MCB 600V NCC 1XS1 BKR F02C (ICCW-10)	OEE-136-04 Rev 6	GENERAL-ELECTRIC THEF (20 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICCWVA0011 DISCH ISOL VALVE			
1XS2-F02D/(ICCW-11)/MS 600V MCC 1XS2-F02D STARTER (ICCW-11)	OEE-136-05 Rev 6	CLARK BUL 6030 CY-1 (B1A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-F02D/(ICCW-11)/MCB 600V MCC 1XS2 BKR F02D (ICCW-11)	OEE-136-05 Rev 6	GENERAL-ELECTRIC THEF (20 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICCWVA0012 DISCH ISOL VALVE			
1XS3-02E/(ICCW-12)/MS 600V MCC 1XS3-02E STARTER (ICCW-12)	OEE-136-06 Rev 7	CLARK BUL 6030 CY-1 (B1A) 1XS3	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS3-02E/(ICCW-12)/MCB 600V MCC 1XS3 BKR 02E (ICCW-12)	OEE-136-06 Rev 7	GENERAL-ELECTRIC THEF (20 A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

ICCWVA0013
 DISCH ISOL VALVE

1XS1-F03C/(ICCW-13)/MS 600V MCC 1XS1-F03C STARTER (ICCW-13) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-07 Rev 7	CLARK BUL 6030 CY-1 (B1A) 1XS1	EVAL (MCC QUAL) AB 796
---	------------------	--------------------------------------	------------------------------

1XS1-F03C/(ICCW-13)/MCB 600V MCC 1XS1 BKR F03C (ICCW-13) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-07 Rev 7	GENERAL-ELECTRIC THEF (20 A) 1XS1	NV AB 796
---	------------------	---	-----------------

ICCWVA0026
 CCW VENT VALVE

XOD1-03A/ICCW-26/MS 208V MCC XOD1-03A STARTER (ICCW-26) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-16 Rev 4	CLARK BUL 6240 CY-1 XOD1	EVAL (MCC QUAL) YD 796
---	------------------	--------------------------------	------------------------------

XOD1-03A/MCB 208V MCC XOD1 BKR 03A (ICCW-26) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-16 Rev 4	GENERAL-ELECTRIC TEF6 (15/35 A) XOD1	NV YD 796
---	------------------	--	-----------------

ICCWVA0027
 CCW VENT VALVE

XOD2A-03A/ICCW-27/MS 208V MCC XOD2A-03A STARTER (ICCW-27) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-16 Rev 4	CLARK T310031-76 XOD2A	EVAL (MCC QUAL) YD 796
---	------------------	------------------------------	------------------------------

XOD2A-03A/MCB 208V MCC XOD2A BKR 03A (ICCW-27) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-16 Rev 4	WESTINGHOUSE 30MCP (100/300 A) XOD2A	NV YD 796
---	------------------	--	-----------------

ICCWVA0028
 CCW VENT VALVE

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
XOD1-03B/1CCW-28/MS 208V MCC XOD1-03B STARTER (1CCW-28) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-17 Rev 7	CLARK BUL 6240 CY-1 XOD1	EVAL (MCC QUAL) YD 796
XOD1-03B/MCB 208V MCC XOD1 BKR 03B (1CCW-28) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-17 Rev 7	GENERAL-ELECTRIC TEF6 (15/35 A) XOD1	NV YD 796
ICCWVA0029 CCW VENT VALVE			
XOD2A-03B/1CCW-29/MS 208V MCC XOD2A-03B STARTER (1CCW-29) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-136-17 Rev 7	CLARK T310031-76 XOD2A	EVAL (MCC QUAL) YD 796
XOD2A-03B/MCB 208V MCC XOD2A BKR 03B (1CCW-29) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-136-17 Rev 7	WESTINGHOUSE 30MCP (100/300 A) XOD2A	NV YD 796
ICCWVA0269 CROSSOVER ISOLATION TO A			
1XSF-F01D(600V)/(1CCW-269)/MS 600V MCC 1XSF-F01D STARTER (1CCW-269) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-35 Rev 3	GTE-SYLVANIA BUL 6240 1XSF(600V)	EVAL (SSF QUAL) SSF 817
1XSF-F01D(600V)/(1CCW-269)/MCB 600V MCC 1XSF BKR F01D (1CCW-269) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-35 Rev 3	GENERAL-ELECTRIC THED (30 A) 1XSF(600V)	NV SSF 817
ICCWVA0287 SSF ISOL VALVE			
1XSF-F01BL(600V)/(RSC-1CCW-287)/MS 600V REMOTE STARTER (1CCW-287) (FED FROM 600V MCC 1XSF-F01BL) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-49 Rev 0	GTE-SYLVANIA BUL 6038/40 TM 1RSC-1CCW-287/ENCL	EVAL (OSC-6642) SSF 758

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Condenser Circulating Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XSF-F01BL(600V)/(RSC-1CCW-287)/MCB 600V MCC 1XSF BKR F01BL (1CCW-287)	OEE-151-49 Rev 0	GENERAL-ELECTRIC THED (20 A) 1XSF(600V)	NV SSF 817

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Control Rod Position

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RPI/U1 UNIT 1 CONT ROD POSITION INDICATORS	OM 201-2871 Rev D4	DIAMOND POWER 703255 IUB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RPIAMP-A01/U1(Typical) ROD POSITION AMPLIFIER A01	OM 201-2871 Rev D4	DIAMOND POWER ASSY' 707193-103 1SL-6	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
K-60/U1 ABS/REL RPI SELECT RLY	OM 201-1421 Rev C	T-BAR 956410 1SL-6	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
K-61/U1 ABS/REL RPI SELECT RLY	OM 201-1421 Rev C	T-BAR 956410 1SL-6	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
K-62/U1 ABS/REL RPI SELECT RLY	OM 201-1421 Rev C	T-BAR 956410 1SL-6	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
IKX-14/MCB 120V PPB IKX BKR 14 (RPI PWR SOURCE)	O-705-A Rev 61	ITE CC (20 A) IKX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**

SUB SYSTEM: **ATWS Mitigation Cont**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

AMSACChannel1/U1

U1 AMSAC Channel 1

ROM221CH1/U1 ATWS PLC OUTPUT MODULE	OEE-147-18 Rev 0	SQUARE D SY/MAX 8030/ROM-221 1ATWSCP	NV AB 838
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

AB/U1 U1 ATWS AUX RELAY	OEE-147-18 Rev 0	STRUTHERS-DUNN 219FXXP 1ATWSCP	CA AB 838
----------------------------	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

BB1/U1 ATWS INTERFACE RLY	OEE-147-18 Rev 0	STRUTHERS-DUNN 219DXBP 1TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

CC1/U1 ATWS INTERFACE RLY	OEE-147-18 Rev 0	STRUTHERS-DUNN 219DXBP 1TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .

DD1/U1 ATWS INTERFACE RLY	OEE-147-18 Rev 0	STRUTHERS-DUNN 219DXBP 1TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .

1FDWPY2000 ATWS POWER SUPPLY (UNIT 1 AMSAC CHANNEL 1)	OEE-147-13 Rev 2	AT&T 1000/E101/T440 1ATWSCP	NV AB 838
--	------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1KG-28/MCB 120V PPB 1KG BKR 28 (UNIT 1 AMSAC CHANNEL 1)	OEE-147-13 Rev 2	GENERAL-ELECTRIC TQL (30 A) 1KG	NV AB 838
--	------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

AMSACChannel2/U1

U1 AMSAC Channel 2

ROM221CH2/U1 ATWS PLC OUTPUT MODULE	OEE-147-28 Rev 1	SQUARE D SY/MAX 8030/ROM-221 1ATWSCP	NV AB 838
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: ATWS Mitigation Cont

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BB2/U1 ATWS INTERFACE RLY	OEE-147-28 Rev 1	STRUTHERS-DUNN 219DXBP 1TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CC2/U1 ATWS INTERFACE RLY	OEE-147-28 Rev 1	STRUTHERS-DUNN 219DXBP 1TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump.</i>			
DB/U1 ATWS AUX RELAY	OEE-147-28 Rev 1	STRUTHERS-DUNN 219FXXP 1ATWSCP	CA AB 838
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
DD2/U1 ATWS INTERFACE RLY	OEE-147-28 Rev 1	STRUTHERS-DUNN 219DXBP 1TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump.</i>			
1FDWPY2001 ATWS POWER SUPPLY (UNIT 1 AMSAC CHANNEL 2)	OEE-147-13 Rev 2	AT&T 1000/E101/T440 1ATWSCP	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KG-29/MCB 120V PPB 1KG BKR 29 (UNIT 1 AMSAC CHANNEL 2)	OEE-147-13 Rev 2	GENERAL-ELECTRIC TQL (20 A) 1KG	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater
SUB SYSTEM: Emergency Turbine Pump

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

IMSV A0082
 TDEFW STEAM SUPPLY

1XA-A-R05A/(IMS-82)/MS 208V MCC 1XA-A-R05A STARTER (IMS-82)	OEE-147 Rev 6	CLARK BUL 6030 CY-1 (H1) 1XA-A	EVAL (MCC QUAL) TB 796
--	---------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XA-A-R05A/(IMS-82)/MCB 208V MCC 1XA-A BKR R05A (IMS-82)	OEE-147 Rev 6	GENERAL-ELECTRIC TEF6 (65/165 A) 1XA-A	NV TB 796
---	---------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSV A0084
 TDEFW STEAM SUPPLY

1XA-A-R05B/(IMS-84)/MS 208V MCC 1XA-A-R05B STARTER (IMS-84)	OEE-147-01 Rev 7	CLARK BUL 6030 CY-1 (H1) 1XA-A	EVAL (MCC QUAL) TB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XA-A-R05B/(IMS-84)/MCB 208V MCC 1XA-A BKR R05B (IMS-84)	OEE-147-01 Rev 7	GENERAL-ELECTRIC TEF6 (65/165 A) 1XA-A	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSV A0087
 TDEFW MS ISOLATION VALVE

IMSEP0016 IMS-87 E/P CONVERTER	OEE-147-02-A Rev 6	FISHER 3582-I-53 IMSV A0087	NV TB 796
-----------------------------------	--------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSPT0057 STEAM TO EFWPT PRESS XMTR	OEE-147-02-A Rev 6	ROSEMOUNT 1151GP9E22T1122B IMC-E16	NV TB 796
--	--------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSSS0042 STM TO EFWPT PRESS VALVE (CONTROLS IMS-87)	OEE-147-02-A Rev 6	MOORE PRODUCTS 352BA11NNF IMC-E16	NV TB 796
---	--------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**
 SUB SYSTEM: **Emergency Turbine Pump**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IMS94X EFWPT CONTROL RLY (IMS-87)	OEE-147-02 Rev 23	CUTLER-HAMMER D26MRD40A1/D26MD10 1AT8	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
IMSPY0042 UNIT 1 UPS (IMSSS0042 - 1MS-87)	OEE-147-02-A Rev 6	ELGAR IPS 1100X IIPS1100X/U1	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
IDIB-03/MCB 125V PPB IDIB BKR 03 (TURB MISC CTRL) (IMS-87)	OEE-147-02 Rev 23	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IKC-31/MCB 120V PPB IKC BKR 31 (IMSSS0042)	OEE-147-02-A Rev 6	GENERAL-ELECTRIC TQL (20 A) IKC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MSVA0093 TDEFW MS ISOLATION VALVE			
IFDWPS1009 MAIN FWP DISCH HDR PRESS SWITCH	OEE-147-02 Rev 23	STATIC-O-RING 9N6W5U8CIAJTTNQ 1FDWPS1009	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
IFDWPS1010 MAIN FWP B DISCHARGE PRESSURE SWITCH	OEE-147-02 Rev 23	STATIC-O-RING 9N6W5U8CIAJTTNQ 1FDWPS1010	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
IFDWPS1011 FWP 1A CONTROL OIL PRESSURE SWITCH	OEE-147-02 Rev 23	STATIC-O-RING 9N6W3U8CIAJTTNQ 1A TBOX EH	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
IFDWPS1012 FWP 1B CONTROL OIL PRESS SWITCH	OEE-147-02 Rev 23	STATIC-O-RING 6N6W3U8CIAJTTNQ 1B TBOX EH	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
IEFWCB IMS-93 CONTROL RLY	OEE-147-02 Rev 23	CUTLER-HAMMER D26MR40A/D87XDL30 1UB1	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: Emergency Turbine Pump

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1SV74X EFWPT CONTROL RLY	OEE-147-02 Rev 23	CUTLER-HAMMER D26MR40A 1UB1	CA AB 822
-----------------------------	-------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1KVID-09/MCB 120V PPB 1KVID BKR 09 (1MS-93)	OEE-147-02 Rev 23	ITE QP1 (20 A) 1KVID	NV AB 809
--	-------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

ITOPU0022

EFWPT AUX OIL PUMP

1FDWPS0300 1EFPT LOW HYDRAULIC OIL PRESS SWITCH	OEE-147-05 Rev 10	SQUARE D 9013 1FDWPS0300	CA TB 775
--	-------------------	--------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1DP-R03A/(EFWPTOILPUMP)/MS 125/250V DC 1DP-R03A STARTER (1EFWPT AUX OIL PUMP)	OEE-147-05 Rev 10	CLARK BUL 6253 1DP	CA TB 796
--	-------------------	--------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1DP-R03A/(EFWPTOILPUMP)/MCB 125/250V DC 1DP BKR R03A (1EFWPT AUX OIL PUMP)	OEE-147-05 Rev 10	GENERAL-ELECTRIC THEF (28/68 A) 1DP	NV TB 796
---	-------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCOONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 126 of 280

SYSTEM: **U1 Emergency Feedwater**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1FDWP0275 1A EFW HEADER FLOW IND	OEE-147-34 Rev 0	WESTINGHOUSE VX-252 IUB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWFT0153 1A EFW HEADER FLOW TRANSMITTER	OEE-147-34 Rev 0	ROSEMOUNT 1152DP5E92PB 1FDWFT0153	NV AB 783
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWSI0153 1A EFW HEADER ISOLATED SIGNAL TRANSMITTER (FLOW IND)	OEE-147-34 Rev 0	ROCHESTER-INSTRUMENTS SC-1302 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWSQRT0153 1A EFW HEADER SQUARE ROOT EXTRACTOR (FLOW IND)	OEE-147-34 Rev 0	ROCHESTER-INSTRUMENTS SC-1330 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWPY0153 1A EFW HEADER POWER SUPPLY (FLOW IND)	OEE-147-34 Rev 0	LAMBDA 48-LCS-CC ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIC-09/MCB(1FDWP0275) 120V PPB 1KVIC BKR 9 (1FDWP0275)	OEE-147-34 Rev 0	ITE QPI (20 A) 1KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWP0276 1B EFW HEADER FLOW IND	OEE-147-35 Rev 0	WESTINGHOUSE VX-252 IUB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWFT0154 1B EFW HEADER FLOW TRANSMITTER	OEE-147-35 Rev 0	ROSEMOUNT 1152DP5E92PB 1FDWFT0154	NV AB 783
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWSI0154 1B EFW HEADER ISOLATED SIGNAL TRANSMITTER (FLOW IND)	OEE-147-35 Rev 0	ROCHESTER-INSTRUMENTS SC-1302 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWSQRT0154 1B EFW HEADER SQUARE ROOT EXTRACTOR (FLOW IND)	OEE-147-35 Rev 0	ROCHESTER-INSTRUMENTS SC-1330 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 127 of 280

SYSTEM: **U1 Emergency Feedwater**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1FDWPY0154 1B EFW HEADER POWER SUPPLY (FLOW IND)	OEE-147-35 Rev 0	LAMBDA 48-LCS-CC 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIC-09/MCB(1FDWP0276) 120V PPB 1KVIC BKR 9 (1FDWP0276)	OEE-147-35 Rev 0	ITE QPI (20 A) 1KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWP0277 1A EFW HEADER FLOW IND	O-422-M-37 Rev 9	WESTINGHOUSE VX-252 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWFT0129 1A EFW HEADER FLOW	O-422-M-37 Rev 9	ROSEMOUNT 1152DP5E92PB 1FDWFT0129	NV AB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWPY0129 1A EFW HEADER FLOW (POWER SUPPLY)	O-422-M-37 Rev 9	LAMBDA 48-LCS-CC 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWSI0129 1A EFW HEADER FLOW (ISOLATED SIGNAL TRANSMITTER)	O-422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1302 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWSQRT0129 1A EFW HEADER FLOW (SQUARE ROOT EXTRACTOR)	O-422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1330 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWP0278 1B EFW HEADER FLOW IND	O-422-M-37 Rev 9	WESTINGHOUSE VX-252 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWFT0130 1B EFW HEADER FLOW	O-422-M-37 Rev 9	ROSEMOUNT 1152DP5E92PB 1FDWFT0130	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWPY0130 1B EFW HEADER FLOW (POWER SUPPLY)	O-422-M-37 Rev 9	LAMBDA 48-LCS-CC 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1FDWSI0130 1B EFW HEADER FLOW (ISOLATED SIGNAL TRANSMITTER) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1302 ISGLC	NV AB 809
1FDWSQRT0130 1B EFW HEADER FLOW (SQUARE ROOT EXTRACTOR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1330 ISGLC	NV AB 809

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1FDWPU0004 MDEFW PUMP 1A			
1TD-00 4KV SWGR 1TD BKR 0 (MDEFWP 1A)	OEE-117-90 Rev 7	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWPS0382 FWP 1B CONTROL OIL PRESS SWITCH	OEE-117-90 Rev 7	CUSTOM COMPONENTS CC-604GZ3 1B TBOX EH	EVAL (OSC-6642) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1FDWPS0384 FWP 1A CONTROL OIL PRESS SWITCH	OEE-117-90 Rev 7	CUSTOM COMPONENTS CC-604GZ3 1A TBOX EH	EVAL (OSC-6642) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XRA MDEFWP 1A CONTROL RLY	OEE-117-90 Rev 7	CUTLER-HAMMER D26MRD30A1 1TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
50-51(1TD-0) MDEFW PUMP 1A OC RLY	OEE-117-90 Rev 7	ITE 51L (223T5341) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50G(1TD-0) MDEFW PUMP 1A GROUND OC RLY	OEE-117-90 Rev 7	ITE GR-5 (202D6141UL) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPSVA0516 EFW PUMP 1A LPSW ISOLATION VALVE			
1SLA MDEFWP 1A CONT RLY	OEE-155-41 Rev 2	CUTLER-HAMMER D26MR40A 1MTC4	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RX/AAU1 STEAM GEN LEVEL AUX RLY	OEE-155-41 Rev 2	STRUTHERS-DUNN 219BBXP 1SGLC	GERS-RLY-ARS.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RX/ABU1 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-155-41 Rev 2	STRUTHERS-DUNN 219BBXP 1SGLC	GERS-RLY-ARS.4 AB 809
1KVIB-06/MCB(SGLC1) 120V PPB 1KVIB BKR 06 (POWER TO SGLC1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-41 Rev 2	ITE QPI (20 A) 1KVIB	NV AB 809
1FDWPU0005 MDEFW PUMP 1B			
ITE-00 4KV SWGR ITE BKR 00 (MDEFWP 1B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-91 Rev 7	ITE 5HK-350 (1200 A) ITE	NV TB 796
1FDWPS0383 FWPT 1B CONTROL OIL PRESS LOW <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-91 Rev 7	CUSTOM COMPONENTS CC-604GZ3 1B TBOX EH	EVAL (OSC-6642) TB 775
1FDWPS0385 FWPT 1B CONTROL OIL PRESS LOW <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-91 Rev 7	CUSTOM COMPONENTS CC-604GZ3 1B TBOX EH	EVAL (OSC-6642) TB 775
IXRB MDEFWP 1B CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-91 Rev 7	CUTLER-HAMMER D26MRD40A1 ITE	GERS-RLY-AI2.4 TB 796
50-51(ITE-0) MDEFW PUMP 1B OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-91 Rev 7	ITE 51L (223T5341) ITE	NV TB 796
50G(ITE-0) MDEFW PUMP 1B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-91 Rev 7	ITE GR-5 (202D6141UL) ITE	NV TB 796
1LPSVA0525 EFW PUMP 1B LPSW ISOLATION VALVE			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ISLB MDEFWP 1B CONT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-155-40 Rev 2	CUTLER-HAMMER D26MR40A 1MTC4	GERS-RLY-AI2.4 AB 809
RX/BAU1 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-155-40 Rev 2	STRUTHERS-DUNN 219BBXP 1SGLC	GERS-RLY-ARS.4 AB 809
RX/BBU1 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-155-40 Rev 2	STRUTHERS-DUNN 219BBXP 1SGLC	GERS-RLY-ARS.4 AB 809
1KVIC-06/MCB(SGLC1) 120V PPB 1KVIC BKR 06 (POWER TO SGLC1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-40 Rev 2	ITE QP1 (20 A) 1KVIC	NV AB 809

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1FDWVA0105

SG 1A SAMPLE ISOLATION

1CR-56(1FDW-105)(CA-V4A)(1ES-1) 1FDW-105 ESFAS INTERFACE RLY	OEE-157-02 Rev 13	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
---	-------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1RX-49(1FDW-105)(CA-V4A)(1ES-1) 1FDW-105 CONTROL RLY	OEE-157-02 Rev 13	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
---	-------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(1FDW-105)(CA-V4A)(1ES-1) RO RLY (1FDW-105)	OEE-157-02 Rev 13	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
--	-------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1XS1-R06D(1FDW-105)/MS 208V MCC 1XS1-R06D STARTER (1FDW-105)	OEE-157-02 Rev 13	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
---	-------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XS1-R06D(1FDW-105)/MCB 208V MCC 1XS1 BKR R06D (1FDW-105)	OEE-157-02 Rev 13	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
--	-------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

1FDWVA0106

SG 1A SAMPLE ISOLATION

1CR-40(1FDW-106)(CA-V5A)(1ES-2) 1FDW-106 ESFAS INTERFACE RLY	OEE-157-05 Rev 12	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
---	-------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1RX-36(1FDW-106)(CA-V5A)(1ES-2) 1FDW-106 CONTROL RLY	OEE-157-05 Rev 12	CUTLER-HAMMER D23MRD40A 1ESTC2	GERS-RLY-AI2.4 AB 809
---	-------------------	--------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

RO(1FDW-106)(CA-V5A)(1ES-2) RO RLY (1FDW-106)	OEE-157-05 Rev 12	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
--	-------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIB-25/(1FDW-106)/MCB 125V PPB 1DIB BKR 25 (1FDW-106)	OEE-157-05 Rev 12	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWVA0107			
SG 1B SAMPLE ISOLATION			
1CR-57(1FDW-107)(CA-V4B)(1ES-1) 1FDW-107 ESFAS INTERFACE RLY	OEE-157-03 Rev 14	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-50(1FDW-107)(CA-V4B)(1ES-1) 1FDW-107 CONTROL RLY	OEE-157-03 Rev 14	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1FDW-107)(CA-V4B)(1ES-1) RO RLY (1FDW-107)	OEE-157-03 Rev 14	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS1-R06E/(1FDW-107)/MS 208V MCC 1XS1-R06E STARTER (1FDW-107)	OEE-157-03 Rev 14	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R06E/(1FDW-107)/MCB 208V MCC 1XS1 BKR R06E (1FDW-107)	OEE-157-03 Rev 14	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWVA0108			
SG 1B SAMPLE ISOLATION			
1CR-41(1FDW-108)(CA-V5B)(1ES-2) 1FDW-108 ESFAS INTERFACE RLY	OEE-157-06 Rev 11	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-37(1FDW-108)(CA-V5B)(1ES-2) 1FDW-108 CONTROL RLY	OEE-157-06 Rev 11	CUTLER-HAMMER D23MRD40A 1ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(1FDW-108)(CA-V5B)(1ES-2) RO RLY (1FDW-108)	OEE-157-06 Rev 11	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1DIB-25/(1FDW-108)/MCB 125V PPB 1DIB BKR 25 (1FDW-108)	OEE-157-06 Rev 11	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWVA0315 MDEFW PUMP 1A ISOLATION			
RXA/U1 1FDW-315 CONTROL RLY	OEE-145-68 Rev 4	CUTLER-HAMMER D26MRD70A1 1UB1	GERS-RLY-AI2.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
1DIB-10/MCB 125V PPB 1DIB BKR 10 (1FDW-315)	OEE-145-68 Rev 4	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWLT0080 SG 1A LEVEL TRANSMITTER	OM 201-L-42 SH1 Rev D1	ROSEMOUNT 1154DP5RB 1FDWLT0080	NV RB 777'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWP0270 SG 1A LEVEL INDICATOR	OM 201-L-42 SH.1 Rev D1	WESTINGHOUSE VX-252 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAL1/U1(FDWEP0270) SIGNAL COMPARATOR CARD FOR (FDWEP0270)	OM 201-L-42 SH1 Rev D1	WESTINGHOUSE 2837A13G01 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U1(FDWEP0270) AUX RELAY CARD FOR (FDWEP0270)	OM 201-L-42 SH1 Rev D1	WESTINGHOUSE 2838A89G01 1SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U1(FDWEP0270) CONTROL CARD FOR (FDWEP0270)	OM 201-L-42 SH1 Rev D1	WESTINGHOUSE 2838A30G01 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NCD/U1(FDWEP0270) DRIVER CARD FOR (FDWEP0270)	OM 201-L-42 SH1 Rev D1	WESTINGHOUSE 2837A16G03 ISGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NPC/U1(FDWEP0270) POTENTIOMETER CARD FOR (FDWEP0270)	OM 201-L-42 SH1 Rev D1	WESTINGHOUSE 2837A93G01 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NRC/U1(FDWEP0270) RELAY CARD FOR (FDWEP0270)	OM 201-L-42 SH1 Rev D1	WESTINGHOUSE 2837A87G04 ISGLC	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>			
NLP/U1(FDWEP0270) LOOP POWER SUPPLY FOR (FDWEP0270)	OM 201-L-42 SH1 Rev D1	WESTINGHOUSE 2837A12G02 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIB-06/MCB(1FDWLT0080) 120V PPB 1KVIB BKR 06 (1FDWLT0080)	OM 201-L-42 SH. 1 Rev	ITE QP1 (20 A) 1KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWLT0082 SG 1A LEVEL TRANSMITTER	OM 201-L-42 SH3 Rev D1	ROSEMOUNT 1154DP5RB 1FDWLT0082	NV RB 777'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWP0272 SG 1A LEVEL INDICATOR	OM 201-L-42 SH.3 Rev D1	WESTINGHOUSE VX-252 IUB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAL1/U1(FDWEP0272) SIGNAL COMPARATOR CARD FOR (FDWEP0272)	OM 201-L-42 SH3 Rev D1	WESTINGHOUSE 2837A13G01 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U1(FDWEP0272) AUX RELAY CARD FOR (FDWEP0272)	OM 201-L-42 SH3 Rev D1	WESTINGHOUSE 2838A89G01 ISGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U1(FDWEP0272) CONTROL CARD FOR (FDWEP0272)	OM 201-L-42 SH3 Rev D1	WESTINGHOUSE 2838A30G01 ISGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NCD/U1(FDWEP0272) DRIVER CARD FOR (FDWEP0272) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-L-42 SH3 Rev D1	WESTINGHOUSE 2837A16G03 ISGLC	EVAL (OM-393-0001) AB 809
NPC/U1(FDWEP0272) POTENTIOMETER CARD FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH3 Rev D1	WESTINGHOUSE 2837A93G01 ISGLC	NV AB 809
NRC/U1(FDWEP0272) RELAY CARD FOR (FDWEP0272) <i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>	OM 201-L-42 SH3 Rev D1	WESTINGHOUSE 2837A87G04 ISGLC	CA AB 809
NLP/U1(FDWEP0272) LOOP POWER SUPPLY FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH3 Rev D1	WESTINGHOUSE 2837A12G02 ISGLC	NV AB 809
1KVIC-06/MCB(1FDWLT0082) 120V PPB 1KVIC BKR 06 (1FDWLT0082) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH. 3 Rev	ITE QP1 (20 A) 1KVIC	NV AB 809
1FDWVA0316 MDEFW PUMP 1B ISOLATION			
RXB/U1 1FDW-316 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-145-66 Rev 3	CUTLER-HAMMER D26MRD70A1 1UB1	GERS-RLY-AI2.4 AB 822
1DIC-13/MCB 125V PPB 1DIC BKR 13 (1FDW-316) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-66 Rev 3	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
1FDWLT0081 SG 1B LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH2 Rev D1	ROSEMOUNT 1154DP5RB 1FDWLT0081	NV RB 777'+6"
1FDWP0273 SG 1B LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE VX-252 1UB1	NV AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 137 of 280

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NAL1/U1(FDWEP0273) SIGNAL COMPARATOR CARD FOR (FDWEP0273)	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE 2837A13G01 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U1(FDWEP0273) AUX RELAY CARD FOR (FDWEP0273)	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE 2838A89G01 1SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U1(FDWEP0273) CONTROL CARD FOR (FDWEP0273)	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE 2838A30G01 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NCD/U1(FDWEP0273) DRIVER CARD FOR (FDWEP0273)	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE 2837A16G03 1SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NPC/U1(FDWEP0273) POTENTIOMETER CARD FOR (FDWEP0273)	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE 2837A93G01 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NRC/U1(FDWEP0273) RELAY CARD FOR (FDWEP0273)	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE 2837A87G04 1SGLC	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>			
NLP/U1(FDWEP0273) LOOP POWER SUPPLY FOR (FDWEP0273)	OM 201-L-42 SH2 Rev D1	WESTINGHOUSE 2837A12G02 1SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIB-06/MCB(1FDWLT0081) 120V PPB 1KVIB BKR 06 (1FDWLT0081)	OEE-155-41 Rev 2	ITE QP1 (20 A) 1KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWLT0083 SG 1B LEVEL TRANSMITTER	OM 201-L-42 SH4 Rev D1	ROSEMOUNT 1154DP5RB 1FDWLT0083	NV RB 777+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWP0271 SG 1B LEVEL INDICATOR	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE VX-252 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NAL1/U1(FDWEP0271) SIGNAL COMPARATOR CARD FOR (FDWEP0271) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE 2837A13G01 ISGLC	NV AB 809
NAS1/U1(FDWEP0271) AUX RELAY CARD FOR (FDWEP0271) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE 2838A89G01 ISGLC	EVAL (OM-393-0001) AB 809
NCB/U1(FDWEP0271) CONTROL CARD FOR (FDWEP0271) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE 2838A30G01 ISGLC	NV AB 809
NCD/U1(FDWEP0271) DRIVER CARD FOR (FDWEP0271) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE 2837A16G03 ISGLC	EVAL (OM-393-0001) AB 809
NPC/U1(FDWEP0271) POTENTIOMETER CARD FOR (FDWEP0271) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE 2837A93G01 ISGLC	NV AB 809
NRC/U1(FDWEP0271) RELAY CARD FOR (FDWEP0271) <i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE 2837A87G04 ISGLC	CA AB 809
NLP/U1(FDWEP0271) LOOP POWER SUPPLY FOR (FDWEP0271) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-L-42 SH4 Rev D1	WESTINGHOUSE 2837A12G02 ISGLC	NV AB 809
1KVIC-06/MCB(1FDWLT0083) 120V PPB 1KVIC BKR 06 (1FDWLT0083) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-40 Rev 2	ITE QP1 (20 A) 1KVIC	NV AB 809
1FDWVA0347 MDEFW PUMP 1B ISOLATION			
1XSF-F01C(600V)/(1FDW-347)/MS 600V MCC 1XSF-F01C STARTER (1FDW-347) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-36 Rev 3	GTE-SYLVANIA BUL 6240 1XSF(600V)	EVAL (SSF QUAL) SSF 817

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **UI Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XSF-F01C(600V)/(1FDW-347)/MCB 600V MCC 1XSF BKR F01C (1FDW-347)	OEE-151-36 Rev 3	GENERAL-ELECTRIC THED (30 A) 1XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWVA0368			
TDEFWP HEADER 1A ISOLATION			
1XI-01BT/(RSC-1FDW-368)/MS REMOTE STARTER (1FDW-368) (FED FROM 600V MCC 1XI-01BT)	OEE-147-12 Rev 4	GTE-SYLVANIA BUL 6040 TM IRSC-1FDW-368/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XI-01BT/(FDWREMOTESTARTERS)/MCB 600V MCC 1XI BKR 01BT (FDW REMOTE STARTERS FEEDER)	OEE-147-12 Rev 4	GENERAL-ELECTRIC THED (30 A) 1XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWVA0369			
TDEFWP HEADER 1B ISOLATION			
1XL-0AB/(RSC-1FDW-369)/MS REMOTE STARTER (1FDW-369) (FED FROM 600V MCC 1XL-0AB)	OEE-147-11 Rev 4	GTE-SYLVANIA BUL 6040 TM IRSC-1FDW-369/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XL-0AB/(FDWREMOTESTARTERS)/MCB 600V MCC 1XL BKR 0AB (REM STARTER FEEDER)	OEE-147-11 Rev 4	GENERAL-ELECTRIC THED (30 A) 1XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1FDWVA0372			
MDEFW PUMP 1A ISOLATION			
1XL-0AB/(RSC-1FDW-372)/MS REMOTE STARTER (1FDW-372) (FED FROM 600V MCC 1XL-0AB)	OEE-147-07 Rev 3	GTE-SYLVANIA BUL 6040 TM IRSC-1FDW-372/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1FDWVA0374			
STARTUP HEADER ISOLATION			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XL-0AB/(RSC-1FDW-374)/MS REMOTE STARTER (1FDW-374) (FED FROM 600V MCC 1XL-0AB) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-147-08 Rev 2	GTE-SYLVANIA BUL 6040 TM IRSC-1FDW-374/ENCL	EVAL (OSC-6642) AB 809
1FDWVA0382 MDEFW PUMP 1B ISOLATION			
1XI-01BT/(RSC-1FDW-382)/MS REMOTE STARTER (1FDW-382) (FED FROM 600V MCC 1XI-01BT) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-147-09 Rev 3	GTE-SYLVANIA BUL 6040 TM IRSC-1FDW-382/ENCL	EVAL (OSC-6642) AB 809
1FDWVA0384 STARTUP HEADER ISOLATION			
1XI-01BT/(RSC-1FDW-384)/MS REMOTE STARTER (1FDW-384) (FED FROM 600V MCC 1XI-01BT) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-147-10 Rev 2	GTE-SYLVANIA BUL 6040 TM IRSC-1FDW-384/ENCL	EVAL (OSC-6642) AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Lighting

SUB SYSTEM: DC Lights

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1L21-30/MCB 250V DC PPB 1L21 BKR 30 (EMER LIGHTING)	O-846-A Rev 12	GENERAL-ELECTRIC TQL (20 A) 1L21	NV AB 822

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IRTNA PHASE A NORM BUS EPSL TEST RLY	OEE-117-01-B Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
27NA/U1 PHASE A NORM BUS UV RLY	OEE-117-01-B Rev 3	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>			
27NXA/U1 PHASE A NORM BUS UV AUX RLY	OEE-117-01-B Rev 3	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA1/U1 PHASE A NORM BUS UV AUX RLY	OEE-117-01-B Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA2/U1 PHASE A NORM BUS UV AUX RLY	OEE-117-01-B Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA3/U1 PHASE A NORM BUS UV AUX RLY	OEE-117-01-B Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
1DIA-13/MCB 125V PPB 1DIA BKR 13 (NORM VOLT CKT PH A)	OEE-117-01-B Rev 3	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RTNB PHASE B NORM BUS EPSL TEST RLY	OEE-117-01-C Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
27NB/U1 PHASE B NORM BUS UV RLY	OEE-117-01-C Rev 3	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>			
27NXB/U1 PHASE B NORM BUS UV AUX RLY	OEE-117-01-C Rev 3	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Power Switching Logic**

SUB SYSTEM: **EPSL**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27NYB1/U1 PHASE B NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-C Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27NYB2/U1 PHASE B NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-C Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27NYB3/U1 PHASE B NORM BUS UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-01-C Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	CA AB 809
1DIB-11/MCB 125V PPB 1DIB BKR 11 (NORM VOLT CKT PH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-01-C Rev 3	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
1RTNC PHASE C NORM BUS EPSL TEST RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-01-D Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	CA AB 809
27NC/U1 PHASE C NORM BUS UV RLY <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>	OEE-117-01-D Rev 3	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CNA AB 809
27NXC/U1 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-D Rev 3	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	GERS-RLY-ARH.5 AB 809
27NYC1/U1 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-D Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27NYC2/U1 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-D Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27NYC3/U1 PHASE C NORM BUS UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-01-D Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP1	CA AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIC-07/MCB 125V PPB 1DIC BKR 07 (NORM VOLT CKT PH C)	OEE-117-01-D Rev 3	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RTEA PHASE A STUP BUS EPSL TEST RLY	OEE-117-01-E Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EA/U1 PHASE A STUP BUS UV RLY	OEE-117-01-E Rev 4	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			
27EXA/U1 PHASE A STUP BUS UV AUX RLY	OEE-117-01-E Rev 4	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA1/U1 PHASE A STUP BUS UV AUX RLY	OEE-117-01-E Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA1X/U1 PHASE A STUP BUS UV AUX RLY	OEE-117-01-E Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA2/U1 PHASE A STUP BUS UV AUX RLY	OEE-117-01-E Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA2X/U1 PHASE A STUP BUS UV AUX RLY	OEE-117-01-E Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA3/U1 PHASE A STUP BUS UV AUX RLY	OEE-117-01-E Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1DIA-14/MCB 125V PPB 1DIA BKR 14 (STUP VOLT CKT PH A)	OEE-117-01-E Rev 4	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1RTEB PHASE B STUP BUS EPSL TEST RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-F Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27EB/U1 PHASE B STUP BUS UV RLY <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>	OEE-117-01-F Rev 4	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CNA AB 809
27EXB/U1 PHASE B STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-F Rev 4	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	GERS-RLY-ARH.5 AB 809
27EYB1/U1 PHASE B STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-F Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27EYB1X/U1 PHASE B STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-F Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27EYB2/U1 PHASE B STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-F Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27EYB2X/U1 PHASE B STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-F Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
27EYB3/U1 PHASE B STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-F Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
1DIB-12/MCB 125V PPB 1DIB BKR 12 (STUP VOLT CKT PH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-01-F Rev 4	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
1RTEC PHASE C STUP BUS EPSL TEST RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-G Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Power Switching Logic**

SUB SYSTEM: **EPSL**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27EC/U1 PHASE C STUP BUS UV RLY	OEE-117-01-G Rev 4	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			
27EXC/U1 PHASE C STUP BUS UV AUX RLY	OEE-117-01-G Rev 4	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYC1/U1 PHASE C STUP BUS UV AUX RLY	OEE-117-01-G Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYC1X/U1 PHASE C STUP BUS UV AUX RLY	OEE-117-01-G Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYC2/U1 PHASE C STUP BUS UV AUX RLY	OEE-117-01-G Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYC2X/U1 PHASE C STUP BUS UV AUX RLY	OEE-117-01-G Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYC3/U1 PHASE C STUP BUS UV AUX RLY	OEE-117-01-G Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1DIC-08/MCB 125V PPB 1DIC BKR 08 (STUP VOLT CKT PH C)	OEE-117-01-G Rev 4	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1ESG1 ESFAS INTERFACE RLY CH 1	OEE-117-01-H Rev 13	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1ESG1X ESFAS INTERFACE AUX RLY CH 1	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD30A1/D26MD10/D 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IESG1X1 ESFAS INTERFACE AUX RLY CH 1	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD70A1 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Has No Effect Because The Circuit Is Designed To Begin Operation After SSE.</i>			
IRLS1 CH A LOAD SHED TIMING RLY	OEE-117-01-H Rev 13	WESTINGHOUSE TD-5 (293B301A25) 1EPSLP1	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
IRLS1X CH A LOAD SHED TIMING AUX RLY	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
IRLS1X1 CH A LOAD SHED TIMING AUX RLY	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD43A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
IRTX1 EPSL LOADSHED TEST RLY CH A	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD30A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
IRTX2 EPSL LOADSHED TEST RLY CH B	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD30A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
ISBC1A STBY BKR CLOSE TIMING RLY	OEE-117-01-H Rev 13	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
ISBC1AX STBY BKR CLOSING AUX RLY	OEE-117-01-H Rev 13	CUTLER-HAMMER D26MRD70A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
ISBC1B STBY BKR CLOSE TIMING RLY	OEE-117-01-H Rev 13	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
ISBC1BX STBY BKR CLOSING AUX RLY	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD70A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 148 of 280

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27B11 U1 MFB 1 UV RLY	OEE-117-01-H Rev 13	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
27B11X U1 MFB 1 UV AUX RLY	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
86AXSB1/1 STBY BKR LOCKOUT AUX RLY	OEE-117-01-H Rev 13	CUTLER-HAMMER D23MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
1DIA-15/MCB 125V PPB 1DIA BKR 15 (LOAD SHED CH A)	OEE-117-01-H Rev 13	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1K1TDA STUP ANTI-RECYCLE TIMING INITIATE RLY	OEE-117-01-H-01 Rev 2	AGASTAT 7024 PE 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1RK1A STUP BUS ANTI-RECYCLE CH A INITIATE AUX RLY	OEE-117-01-H-01 Rev 2	CUTLER-HAMMER D26MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1RK2A STUP BUS ANTI-RECYCLE CH A INITIATE AUX RLY	OEE-117-01-H-01 Rev 2	CUTLER-HAMMER D26MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1SBC3A STBY BKR CLOSE TIMING RLY	OEE-117-01-H-01 Rev 2	CUTLER-HAMMER D26MRD30A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1STARA STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	OEE-117-01-H-01 Rev 2	CUTLER-HAMMER D26MRD70A1/D87XDL30 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1ESG2 ESFAS INTERFACE RLY CH 2	OEE-117-01-I Rev 11	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 149 of 280

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1ESG2X ESFAS INTERFACE AUX RLY CH 2	OEE-117-01-1 Rev 11	CUTLER-HAMMER D23MRD30A1/D26MF 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1RLS2 CH B LOAD SHED TIMING RLY	OEE-117-01-1 Rev 11	WESTINGHOUSE TD-5 (293B301A25) 1EPSLP1	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1RLS2X CH B LOAD SHED TIMING AUX RLY	OEE-117-01-1 Rev 11	CUTLER-HAMMER D23MRD704A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1RLS2X1 CH B LOAD SHED TIMING AUX RLY	OEE-117-01-1 Rev 11	CUTLER-HAMMER D23MRD43A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1RTY1 EPSL LOADSHED TEST RLY CH A	OEE-117-01-1 Rev 11	CUTLER-HAMMER D23MRD30A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1RTY2 EPSL LOADSHED TEST RLY CH B	OEE-117-01-1 Rev 11	CUTLER-HAMMER D23MRD30A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1SBC2A STBY BKR CLOSE TIMING RLY	OEE-117-01-1 Rev 11	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
1SBC2AX STBY BKR CLOSING AUX RLY	OEE-117-01-1 Rev 11	CUTLER-HAMMER D26MRD70A1 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1SBC2B STBY BKR CLOSE TIMING RLY	OEE-117-01-1 Rev 11	WESTINGHOUSE TD-5 (293B301A26) 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
1SBC2BX STBY BKR CLOSING AUX RLY	OEE-117-01-1 Rev 11	CUTLER-HAMMER D23MRD70A1/D26MF 1EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27B21 U1 MFB 2 UV RLY	OEE-117-01-I Rev 11	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
27B21X U1 MFB 2 UV AUX RLY	OEE-117-01-I Rev 11	CUTLER-HAMMER D23MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
86AXSB2/1 STBY BKR LOCKOUT AUX RLY	OEE-117-01-I Rev 11	CUTLER-HAMMER D23MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
1DIB-13/MCB 125V PPB 1DIB BKR 13 (LOAD SHED CH B)	OEE-117-01-I Rev 11	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1K1TDB STUP ANTI-RECYCLE INITIATE TIMING RLY	OEE-117-01-I-01 Rev 2	AGASTAT 7024 PE 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1RK1B STUP BUS ANTI-RECYCLE CH B INITIATE AUX RLY	OEE-117-01-I-01 Rev 2	CUTLER-HAMMER D26MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1RK2B STUP BUS ANTI-RECYCLE CH B INITIATE AUX RLY	OEE-117-01-I-01 Rev 2	CUTLER-HAMMER D26MRD70A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
1SBC3B STBY BKR CLOSE TIMING RLY	OEE-117-01-I-01 Rev 2	CUTLER-HAMMER D26MRD30A1 1EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1STARB STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	OEE-117-01-I-01 Rev 2	CUTLER-HAMMER D26MRD70A1/D87XDL30 1EPSLP1	GERS-RLY-A12.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1RTS11A PHASE A STDY BUS EPSL TEST RLY	OEE-117-01-J Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27S11A PHASE A STDY BUS UV RLY	OEE-117-01-J Rev 4	WESTINGHOUSE CV-7 (1875524) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX11A PHASE A STDY BUS UV AUX RLY	OEE-117-01-J Rev 4	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY11A1 PHASE A STDY BUS UV AUX RLY	OEE-117-01-J Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY11A2 PHASE A STDY BUS UV AUX RLY	OEE-117-01-J Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1DIA-27/MCB 125V PPB 1DIA BKR 27 (STBY VOLT CKT PH A)	OEE-117-01-J Rev 4	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RTS11B PHASE B STDY BUS EPSL TEST RLY	OEE-117-01-K Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27S11B PHASE B STDY BUS UV RLY	OEE-117-01-K Rev 4	WESTINGHOUSE CV-7 (1875524) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX11B PHASE B STDY BUS UV AUX RLY	OEE-117-01-K Rev 4	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY11B1 PHASE B STDY BUS UV AUX RLY	OEE-117-01-K Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY11B2 PHASE B STDY BUS UV AUX RLY	OEE-117-01-K Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 152 of 280

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIB-09/MCB 125V PPB 1DIB BKR 09 (STBY VOLT CKT PH B)	OEE-117-01-K Rev 4	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RTS11C PHASE C STDY BUS EPSL TEST RLY	OEE-117-01-L Rev 4	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27S11C PHASE C STDY BUS UV RLY	OEE-117-01-L Rev 4	WESTINGHOUSE CV-7 (1875524) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX11C PHASE C STDY BUS UV AUX RLY	OEE-117-01-L Rev 4	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY11C1 PHASE C STDY BUS UV AUX RLY	OEE-117-01-L Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY11C2 PHASE C STDY BUS UV AUX RLY	OEE-117-01-L Rev 4	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1DIC-11/MCB 125V PPB 1DIC BKR 11 (STBY VOLT CKT PH C)	OEE-117-01-L Rev 4	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RTS12A PHASE A STDY BUS EPSL TEST RLY	OEE-117-01-M Rev 3	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27S12A PHASE A STDY BUS UV RLY	OEE-117-01-M Rev 3	WESTINGHOUSE CV-7 (1875524) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX12A PHASE A STDY BUS UV AUX RLY	OEE-117-01-M Rev 3	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27SY12A1 PHASE A STDY BUS UV AUX RLY	OEE-117-01-M Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY12A2 PHASE A STDY BUS UV AUX RLY	OEE-117-01-M Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1DIB-21/MCB 125V PPB 1DIB BKR 21 (STBY VOLT CKT PH A)	OEE-117-01-M Rev 3	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RTS12B PHASE B STDY BUS EPSL TEST RLY	OEE-117-01-N Rev 3	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27S12B PHASE B STDY BUS UV RLY	OEE-117-01-N Rev 3	WESTINGHOUSE CV-7 (1875524) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX12B PHASE B STDY BUS UV AUX RLY	OEE-117-01-N Rev 3	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY12B1 PHASE B STDY BUS UV AUX RLY	OEE-117-01-N Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY12B2 PHASE B STDY BUS UV AUX RLY	OEE-117-01-N Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1DIC-14/MCB 125V PPB 1DIC BKR 14 (STBY VOLT CKT PH B)	OEE-117-01-N Rev 3	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RTS12C PHASE C STDY BUS EPSL TEST RLY	OEE-117-01-P Rev 3	CUTLER-HAMMER D23MRD70A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Emergency Power Switching Logic**

SUB SYSTEM: **EPSL**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27S12C PHASE C STDY BUS UV RLY	OEE-117-01-P Rev 3	WESTINGHOUSE CV-7 (1875524) 1EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX12C PHASE C STDY BUS UV AUX RLY	OEE-117-01-P Rev 3	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY12C1 PHASE C STDY BUS UV AUX RLY	OEE-117-01-P Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY12C2 PHASE C STDY BUS UV AUX RLY	OEE-117-01-P Rev 3	CUTLER-HAMMER D23MRD704A1 1EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1DIA-28/MCB 125V PPB 1DIA BKR 28 (STBY VOLT CKT PH C)	OEE-117-01-P Rev 3	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27B11A U1 MFB 1 UV RLY PHASE A	OEE-117-01-R Rev 2	CUTLER-HAMMER D23MR62A 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B11B U1 MFB 1 UV RLY PHASE B	OEE-117-01-R Rev 2	CUTLER-HAMMER D23MR62A 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B11C U1 MFB 1 UV RLY PHASE C	OEE-117-01-R Rev 2	CUTLER-HAMMER D23MR62A 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B21A U1 MFB 2 UV RLY PHASE A	OEE-117-01-R Rev 2	CUTLER-HAMMER D23MR62A 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B21B U1 MFB 2 UV RLY PHASE B	OEE-117-01-R Rev 2	CUTLER-HAMMER D23MR62A 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 155 of 280

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27B21C U1 MFB 2 UV RLY PHASE C	OEE-117-01-R Rev 2	CUTLER-HAMMER D23MR62A 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RE-2/U1 INTERPOSING AUX RLY FOR TX11A & TX21A	OEE-117-01-S Rev 5	CUTLER-HAMMER D23MRD30A1 1UB1	GERS-RLY-AI2.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
T11A MAIN FDR BUS 1 UV TIMER CH A RLY	OEE-117-01-S Rev 5	CUTLER-HAMMER D87XDL30 1MFBMRP	NV AB 809
<i>NV - Not Vulnerable to Contact Chatter. (Solid State Device)</i>			
TX11A AUX RLY FOR T11A	OEE-117-01-S Rev 5	CUTLER-HAMMER D23MRD074A1 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1DIA-05/MCB 125V PPB 1DIA BKR 05 (U1 MFB 1 UV LOGIC CH 1)	OEE-117-01-S Rev 5	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
T11B MAIN FDR BUS 1 UV TIMER CH B RLY	OEE-117-01-S-1 Rev 1	CUTLER-HAMMER D87XDL30 1MFBMRP	NV AB 809
<i>NV - Not Vulnerable to Contact Chatter. (Solid State Device)</i>			
TX11B AUX RLY FOR T11B	OEE-117-01-S-1 Rev 1	CUTLER-HAMMER D23MRD074A1 1MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1DIB-05/MCB 125V PPB 1DIB BKR 05 (U1 MFB 1 UV LOGIC CH 1)	OEE-117-01-S-1 Rev 1	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RE-1/U1 INTERPOSING AUX RLY FOR TX11B & TX21B	OEE-117-01-T Rev 5	CUTLER-HAMMER D23MRD30A1 1UB2	GERS-RLY-AI2.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
T21A MAIN FDR BUS 2 UV TIMER CH A RLY	OEE-117-01-T Rev 5	CUTLER-HAMMER D87XDL30 1MFBMRP	NV AB 809
<i>NV - Not Vulnerable to Contact Chatter. (Solid State Device)</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
TX21A AUX RLY FOR T21A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-T Rev 5	CUTLER-HAMMER D23MRD074A1 1MFBMRP	GERS-RLY-AI2.4 AB 809
1DIC-09/MCB 125V PPB 1DIC BKR 09 (U1 MFB 2 UV LOGIC CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-01-T Rev 5	ITE EH2 (20 A) 1DIC/PPB	NV AB 809
T21B MAIN FDR BUS 2 UV TIMER CH B RLY <i>NV - Not Vulnerable to Contact Chatter.(Solid State Device)</i>	OEE-117-01-T-1 Rev 1	CUTLER-HAMMER D87XDL30 1MFBMRP	NV AB 809
TX21B AUX RLY FOR T21B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-01-T-1 Rev 1	CUTLER-HAMMER D23MRD074A1 1MFBMRP	GERS-RLY-AI2.4 AB 809
1DID-09/(1EPSL-T)/MCB 125V PPB 1DID BKR 09 (U1 MFB 2 UV LOGIC CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-01-T-1 Rev 1	ITE EH2 (20 A) 1DID/PPB	NV AB 809
CLS1(1TC-02) U1 LOADSHED (C) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-40 Rev 6	CUTLER-HAMMER D23MRD70A1/D26MF 1TC	GERS-RLY-AI2.4 TB 796
CLS2(1TC-15) U1 LOADSHED (C) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-53 Rev 7	CUTLER-HAMMER D23MRD70A1/D26MF 1TC	GERS-RLY-AI2.4 TB 796
DLS1(1TD-02) U1 LOADSHED (D) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-55 Rev 9	CUTLER-HAMMER D23MRD704A1 1TD	GERS-RLY-AI2.4 TB 796
DLS2(1TD-16) U1 LOADSHED (D) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-84 Rev 9	CUTLER-HAMMER D23MRD704A1 1TD	GERS-RLY-AI2.4 TB 796
ELS1(1TE-02) U1 LOADSHED (E) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-69 Rev 7	CUTLER-HAMMER D23MRD704A1 1TE	GERS-RLY-AI2.4 TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ELS2(ITE-15) U1 LOADSHED (E) RLY	OEE-117-82 Rev 5	CUTLER-HAMMER D23MRD704A1 ITE	GERS-RLY-AI2.4 TB 796

GERS - Seismically Adequate Per GERS.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Analog Channel 1**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN1AR/U1(Typical) AUX RLY MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-04 Rev DH	BAILEY CONTROLS 6622510 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN1BA/U1(Typical) BUFFER AMPLIFIER MODULE (ES CH 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-04 Rev DH	BAILEY CONTROLS 6621670A IESFAS	NV AB 822
ANACHAN1BI/U1(Typical) BISTABLE MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-05 Rev DG	BAILEY CONTROLS 6621500 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN1LB/U1(Typical) LOGIC BUFFER MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-05 Rev DG	BAILEY CONTROLS 6624726 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN1PWSUPP/U1(Typical) MOTOROLA PWR SUPP (ES CH 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-04 Rev DH	MOTOROLA 6623903 IESFAS	NV AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Analog Channel 2**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN2AR/U1(Typical) AUX RLY MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-10 Rev DF	BAILEY CONTROLS 6622510 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN2BA/U1(Typical) BUFFER AMPLIFIER MODULE (ES CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-10 Rev DF	BAILEY CONTROLS 6621670A1163 IESFAS	NV AB 822
ANACHAN2BI/U1(Typical) BISTABLE MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-11 Rev DF	BAILEY CONTROLS 6621500E1 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN2LB/U1(Typical) LOGIC BUFFER MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-11 Rev DF	BAILEY CONTROLS 6624726A1 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN2PWRSUPP/U1(Typical) MOTOROLA PWR SUPP (ES CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-10 Rev DF	MOTOROLA 6623903A1 IESFAS	NV AB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Analog Channel 3**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN3AR/U1(Typical) AUX RLY MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-13 Rev DF	BAILEY CONTROLS 6622510 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN3BA/U1(Typical) BUFFER AMPLIFIER MODULE (ES CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-13 Rev DF	BAILEY CONTROLS 6621670 IESFAS	NV AB 822
ANACHAN3BI/U1(Typical) BISTABLE MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-14 Rev DF	BAILEY CONTROLS 6621500E1 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN3LB/U1(Typical) LOGIC BUFFER MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-14 Rev DF	BAILEY CONTROLS 6624726A1 IESFAS	EVAL (OSC-6642) AB 822
ANACHAN3PWRSUPP/U1(Typical) MOTOROLA PWR SUPP (ES CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-13 Rev DF	MOTOROLA 6623903A1 IESFAS	NV AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 161 of 280

SYSTEM: U1 Engineered Safeguards

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1BSPS0018 RB PRESS SWITCH (ES CH 1A) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-422-A-8 Rev 15	ASCO SA21AR/TD20A32R 1BSPS0018	EVAL (OSC-6642) AB 809
1BSPS0019 RB PRESS SWITCH (ES CH 1A) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-422-A-8 Rev 15	ASCO SA21AR/TD20A32R 1BSPS0019	EVAL (OSC-6642) AB 809
1RCPT0021P RC PRESS XMTR (ES CH A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-04 Rev DH	ROSEMOUNT 1153GD9RB 1RCPT0021P	NV RB 825
CONTBUFF(ESCHAN1)/U1(Typical) CONTACT BUFFER MODULE (ES CHANNEL 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-04 Rev DH	BAILEY CONTROLS 6623999A1 2ESFAS	EVAL (OSC-6642) AB 822
PRTC(ESCHAN1)/U1 PRESS TEST CIRCUIT MODULE (ES CHANNEL 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-04 Rev DH	BAILEY CONTROLS 6623705A1 2ESFAS	EVAL (OSC-6642) AB 822
1BSPT0004P RB PRESS XMTR (ES CH 1A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-06 Rev DN	ITT-BARTON 764 1BSPT0004P	NV AB 809
1BSPS0020 RB PRESS SWITCH (ES CH 1B) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-422-A-8 Rev 15	ASCO SA21AR/TD20A32R 1BSPS0020	EVAL (OSC-6642) AB 809
1BSPS0021 RB PRESS SWITCH (ES CH 1B) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-422-A-8 Rev 15	ASCO SA21AR/TD20A32R 1BSPS0021	EVAL (OSC-6642) AB 809
1RCPT0022P RC PRESS XMTR (ES CH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-13 Rev DF	ROSEMOUNT 1153GD9RB 1RCPT0022P	NV RB 825
CONTBUFF(ESCHAN2)/U1(Typical) CONTACT BUFFER MODULE (ES CHANNEL 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-10 Rev DF	BAILEY CONTROLS 6623999A1 1ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Engineered Safeguards

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
PRTC(ESCHAN2)/U1 PRESS TEST CIRCUIT MODULE (ES CHANNEL 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-10 Rev DF	BAILEY CONTROLS 6623705A1 2ESFAS	EVAL (OSC-6642) AB 822
1BSPT0005P RB PRESS XMTR (ES CH 1B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-12 Rev DI	ITT-BARTON 764 1BSPT0005P	NV AB 809
1BSPS0022 RB PRESS SWITCH (ES CH 1C) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-422-A-8 Rev 15	ASCO SA21AR/TD20A32R 1BSPS0022	EVAL (OSC-6642) AB 809
1BSPS0023 RB PRESS SWITCH (ES CH 1C) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-422-A-8 Rev 15	ASCO SA21AR/TD20A32R 1BSPS0023	EVAL (OSC-6642) AB 809
1RCPT0023P RC PRESS XMTR (ES CH C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-10 Rev DF	ROSEMOUNT 1153GD9RB 1RCPT0023P	NV RB 825
CONTBUFF(ESCHAN3)/U1(Typical) CONTACT BUFFER MODULE (ES CHANNEL 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-13 Rev DF	BAILEY CONTROLS 6623999A1 3ESFAS	EVAL (OSC-6642) AB 822
PRTC(ESCHAN3)/U1 PRESS TEST CIRCUIT MODULE (ES CHANNEL 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-13 Rev DF	BAILEY CONTROLS 6623705A1 2ESFAS	EVAL (OSC-6642) AB 822
1BSPT0006P RB PRESS XMTR (ES CH 1C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-J-15 Rev DI	ITT-BARTON 764 1BSPT0006P	NV AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 1**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH1AR/U1(Typical) AUX RLY MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-07 Rev DG	BAILEY CONTROLS 6622510C IESFAS	EVAL (OSC-6642) AB 822
DIGCH1CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-07 Rev DG	BAILEY CONTROLS 6623999A IESFAS	EVAL (OSC-6642) AB 822
DIGCH1LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-07 Rev DG	BAILEY CONTROLS 6624040A IESFAS	EVAL (OSC-6642) AB 822
DIGCH1TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-07 Rev DG	BAILEY CONTROLS 6624010A IESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 2**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH2AR/U1(Typical) AUX RLY MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-16 Rev DF	BAILEY CONTROLS 6622510C 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH2CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-16 Rev DF	BAILEY CONTROLS 6623999A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH2LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-16 Rev DF	BAILEY CONTROLS 6624040A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH2TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-16 Rev DF	BAILEY CONTROLS 6624010A 1ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 3**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH3AR/U1(Typical) AUX RLY MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-18 Rev DG	BAILEY CONTROLS 6622510C 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH3CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-18 Rev DG	BAILEY CONTROLS 6623999A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH3LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-18 Rev DG	BAILEY CONTROLS 6624040A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH3TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-18 Rev DG	BAILEY CONTROLS 6624010A 1ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 4**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH4AR/U1(Typical) AUX RLY MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-20 Rev DF	BAILEY CONTROLS 6622510C IESFAS	EVAL (OSC-6642) AB 822
DIGCH4CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-20 Rev DF	BAILEY CONTROLS 6623999A IESFAS	EVAL (OSC-6642) AB 822
DIGCH4LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-20 Rev DF	BAILEY CONTROLS 6624040A IESFAS	EVAL (OSC-6642) AB 822
DIGCH4TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-20 Rev DF	BAILEY CONTROLS 6624010A IESFAS	EVAL (OSC-6642) AB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 5**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S47* Building Floor Elev
DIGCH5AR/U1(Typical) AUX RLY MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-22 Rev DG	BAILEY CONTROLS 6622510C IESFAS	EVAL (OSC-6642) AB 822
DIGCH5CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-22 Rev DG	BAILEY CONTROLS 6623999A IESFAS	EVAL (OSC-6642) AB 822
DIGCH5LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-22 Rev DG	BAILEY CONTROLS 6624040A IESFAS	EVAL (OSC-6642) AB 822
DIGCH5TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-22 Rev DG	BAILEY CONTROLS 6624010A IESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 6**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH6AR/U1(Typical) AUX RLY MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-24 Rev DG	BAILEY CONTROLS 6622510C IESFAS	EVAL (OSC-6642) AB 822
DIGCH6CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-24 Rev DG	BAILEY CONTROLS 6623999A IESFAS	EVAL (OSC-6642) AB 822
DIGCH6LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-24 Rev DG	BAILEY CONTROLS 6624040A IESFAS	EVAL (OSC-6642) AB 822
DIGCH6TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-24 Rev DG	BAILEY CONTROLS 6624010A IESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 7**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH7AR/U1(Typical) AUX RLY MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-26 Rev DF	BAILEY CONTROLS 6622510C 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH7CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-26 Rev DF	BAILEY CONTROLS 6623999A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH7LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-26 Rev DF	BAILEY CONTROLS 6624040A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH7TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-26 Rev DF	BAILEY CONTROLS 6624010A 1ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Engineered Safeguards

SUB SYSTEM: Digital Channel 8

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH8AR/U1(Typical) AUX RLY MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-28 Rev DG	BAILEY CONTROLS 6622510C 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH8CB/U1(Typical) CONTACT BUFFER MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-28 Rev DG	BAILEY CONTROLS 6623999A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH8LT/U1(Typical) LOGIC TEST MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-28 Rev DG	BAILEY CONTROLS 6624040A 1ESFAS	EVAL (OSC-6642) AB 822
DIGCH8TL/U1(Typical) TRIP LOGIC MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 201-J-28 Rev DG	BAILEY CONTROLS 6624010A 1ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1HPIP0319 HPI CROSSOVER FLOW INDICATION <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-33-A Rev 1	DIXSON SH202AXTX4 1UB1	NV AB 822
1HPIFT0160 B LOOP INJ FLOW TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-33-A Rev 1	ROSEMOUNT 1154HH5RB 1HPIFT0160	NV AB 809
1HPISR0160 HPI CROSSOVER FLOW SQRT EXT B LOOP <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-33-A Rev 1	ROCHESTER INSTRUMENTS SC-1330 1MTC4	NV AB 809
HPIFLOWLOOPPSB/U1 UNIT 1 HPI FLOW PWR SUPP 'B' (1HPIFT0160) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-33-A Rev 1	LAMBDA LCS-24 1MTC4	NV AB 809
1KVIC-13/MCB 120V PPB 1KVIC BKR 13 (HPI FLOW LOOP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-33-A Rev 1	ITE QP1 (20 A) 1KVIC	NV AB 809
1HPIP0348 RC PUMP A1 & B1 SEAL INJECTION FLOW <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	DIXSON BG202AXTX 1VB3	NV AB 822
1HPIFT0101 RC PUMP SEAL INLET FLOW XMTR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	ROSEMOUNT 3051CD1A221AB6 1HPIFT0101	NV AB 783
1HPIFT0102 RC PUMP SEAL INLET FLOW XMTR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	ROSEMOUNT 3051CD1A221AB6 1HPIFT0102	NV AB 783
1KE-20/MCB(1HPIP0348) 120V PPB 1KE BKR 20 (RCP SEAL INJ FLOW) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	GENERAL-ELECTRIC TQL (20 A) 1KE	NV AB 796
1HPIP0349 RC PUMP A2 & B2 SEAL INJECTION FLOW <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	DIXSON BG202AXTX 1VB3	NV AB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1HPIFT0103 RC PUMP SEAL INLET FLOW XMTR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	ROSEMOUNT 3051CD1A221AB6 1HPIFT0103	NV AB 783
1HPIFT0104 RC PUMP SEAL INLET FLOW XMTR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	ROSEMOUNT 3051CD1A221AB6 1HPIFT0104	NV AB 783
1KE-20/MCB(1HPIP0349) 120V PPB 1KE BKR 20 (RCP SEAL INJ FLOW) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-53 Rev 0	GENERAL-ELECTRIC TQL (20 A) 1KE	NV AB 796
1HPIP0363 HPI A TRAIN INJ FLOW IND <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-51 Rev 2	DIXSON SA101AXTX IUB1	NV AB 822
1HPIFT0007A HPI A TRAIN INJ FLOW TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-51 Rev 2	ROSEMOUNT 1154HH5RB 1HPIFT0007A	NV AB 758
1KVIA-08/MCB(1HPIP0363) 120V PPB 1KVIA BKR 08 (1HPIP0363) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-03 Rev 2	ITE QP1 (20 A) 1KVIA	NV AB 809
1HPIP0364 HPI B TRAIN INJ FLOW IND <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-52 Rev 2	DIXSON SA101AXTX IUB1	NV AB 822
1HPIFT0008A HPI B TRAIN INJ FLOW TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-52 Rev 2	ROSEMOUNT 1154HH5RB 1HPIFT0008A	NV AB 758
1KVIB-13/MCB(1HPIP0364) 120V PPB 1KVIB BKR 13 (1HPIP0364) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-02 Rev 1	ITE QP1 (20 A) 1KVIB	NV AB 809

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1HPIPU0001			
HPI PUMP 1A			
ITC-09 4KV SWGR ITC BKR 09 (HPIP 1A)	OEE-117-47 Rev 9	ITE 5HK-350 (1200 A) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICR-46(1HPIPA)(HP-P1A)(1ES-1) HPIP 1A ESFAS INTERFACE RLY	OEE-117-47 Rev 9	CUTLER-HAMMER D23MRD30A1 ITC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(ITC-09) HPI PUMP 1A OC RLY (X PHASE)	OEE-117-47 Rev 9	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(ITC-09) HPI PUMP 1A OC RLY (Z PHASE)	OEE-117-47 Rev 9	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(ITC-09) HPI PUMP 1A GROUND OC RLY	OEE-117-47 Rev 9	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
HP11XR/U1 LOW RC SEAL INLET FLOW AUX RLY (HPI PUMP's A & B)	OEE-150-11 Rev 5	CUTLER-HAMMER D23MRD70A1 1MTC3	GERS-RLY-A12.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(1HPIPA)(HP-P1A)(1ES-1) RO RLY (HPIP 1A)	OEE-117-47 Rev 9	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
1DID-05/(1HPIPA&B)/MCB 125V PPB 1DID BKR 05 (HPIP 1A AND 1B STUP INTERLOCKS)	OEE-150-11 Rev 5	ITE EH2 (20 A) 1DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPIPU0002			
HPI PUMP 1B			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TE-09 4KV SWGR 1TE BKR 09 (HPIP 1B)	OEE-117-76 Rev 10	ITE 5HK-350 (1200 A) ITE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CR-75(1HPIPB)(HP-P1B)(1ES-1) HPIP 1B ESFAS INTERFACE RLY	OEE-117-76 Rev 10	CUTLER-HAMMER D23MRD30A1 ITE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
1CR-76(1HPIPB)(HP-P1B)(1ES-2) HPIP 1B ESFAS INTERFACE RLY	OEE-117-76 Rev 10	CUTLER-HAMMER D23MRD30A1 ITE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(1TE-09) HPI PUMP 1B OC RLY (X PHASE)	OEE-117-76 Rev 10	WESTINGHOUSE CO-5 (1875241) ITE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TE-09) HPI PUMP 1B OC RLY (Z PHASE)	OEE-117-76 Rev 10	WESTINGHOUSE CO-5 (1875241) ITE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TE-09) HPI PUMP 1B GROUND OC RLY	OEE-117-76 Rev 10	ITE GR-5 (202D6141) ITE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(1HPIPB)(HP-P1B)(1ES-1) RO RLY (HPIP 1B)	OEE-117-76 Rev 10	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
RO(1HPIPB)(HP-P1B)(1ES-2) RO RLY (HPIP 1B)	OEE-117-76 Rev 10	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
1HPIPU0003 HPI PUMP 1C			
1TD-09 4KV SWGR 1TD BKR 09 (HPIP 1C)	OEE-117-62 Rev 7	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 High Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1CR-28(1HPIPC)(HP-P1C)(1ES-2) HPIP 1C ESFAS INTERFACE RLY	OEE-117-62 Rev 7	CUTLER-HAMMER D23MRD30A1 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(1TD-09) HPI PUMP 1C OC RLY (X PHASE)	OEE-117-62 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TD-09) HPI PUMP 1C OC RLY (Z PHASE)	OEE-117-62 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TD-09) HPI PUMP 1C GROUND OC RLY	OEE-117-62 Rev 7	ITE GR-5 (202D6141) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(1HPIPC)(HP-P1C)(1ES-2) RO RLY (HPIP 1C)	OEE-117-62 Rev 7	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1HPVA0003

LETDOWN ISOLATION

1CR-49(1HP-3)(HP-V2A)(1ES-1) 1HP-3 ESFAS INTERFACE RLY	OEE-151 Rev 7	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
---	---------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1RX-43(1HP-3) 1HP-3 CONTROL RLY	OEE-151 Rev 7	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
------------------------------------	---------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(1HP-3)(HP-V2A)(1ES-1) RO RLY (1HP-3)	OEE-151 Rev 7	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
--	---------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1XSF-F01C(208V)/(1HP-3)/MS 208V MCC 1XSF-F01C STARTER (1HP-3)	OEE-151 Rev 7	GTE-SYLVANIA BUL 6240 1XSF(208V)	EVAL (SSF QUAL) SSF 817
--	---------------	--	-------------------------------

EVAL - Seismically Adequate Per Test Report.

1XSF-F01C(208V)/(1HP-3)/MCB 208V MCC 1XSF BKR F01C (1HP-3)	OEE-151 Rev 7	GENERAL-ELECTRIC THED (20 A) 1XSF(208V)	NV SSF 817
---	---------------	---	------------------

NV - Not Vulnerable To Contact Chatter.

1HPVA0004

LETDOWN ISOLATION

1CR-50(1HP-4)(HP-V2B)(1ES-1) 1HP-4 ESFAS INTERFACE RLY	OEE-151-01 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1RX-44(1HP-4) 1HP-4 CONTROL RLY	OEE-151-01 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
------------------------------------	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(1HP-4)(HP-V2B)(1ES-1) RO RLY (1HP-4)	OEE-151-01 Rev 9	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XSF-F01D(208V)/(1HP-4)/MS 208V MCC 1XSF-F01D STARTER (1HP-4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-01 Rev 9	GTE-SYLVANIA BUL 6240 1XSF(208V)	EVAL (SSF QUAL) SSF 817
1XSF-F01D(208V)/(1HP-4)/MCB 208V MCC 1XSF BKR F01D (1HP-4) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-01 Rev 9	GENERAL-ELECTRIC THED (20 A) 1XSF(208V)	NV SSF 817
1HPVA0005 LETDOWN ISOLATION			
1HPIPS0357 LETDOWN FLOW TEMP HIGH INTERLOCK <i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-03 Rev 13	UNITED ELECT UE-J302-453 1HPIPS0357	CA AB 783
1CR-31(1HP-5)(HP-V3)(1ES-2) 1HP-5 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-03 Rev 13	CUTLER-HAMMER D23MRD30A1 1ESTC2	CA AB 809
1RX-30(1HP-5) 1HP-5 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-03 Rev 13	CUTLER-HAMMER D23MRD30A1 1ESTC2	CA AB 809
RO(1HP-5)(HP-V3)(1ES-2) RO RLY (1HP-5) <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-03 Rev 13	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
1DIB-25/(1HP-5)/MCB 125V PPB 1DIB BKR 25 (1HP-5) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-03 Rev 13	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
1HPVA0020 RCP SEAL RETURN ISOLATION			
1CR-51(1HP-20)(HP-V12)(1ES-1) 1HP-20 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-02 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IRX-45(1HP-20) 1HP-20 CONTROL RLY	OEE-151-02 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1HP-20)(HP-V12)(1ES-1) RO RLY (1HP-20)	OEE-151-02 Rev 9	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XSF-F02C(208V)/(1HP-20)/MS 208V MCC 1XSF-F02C STARTER (1HP-20)	OEE-151-02 Rev 9	GTE-SYLVANIA BUL 6240 1XSF(208V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XSF-F02C(208V)/(1HP-20)/MCB 208V MCC 1XSF BKR F02C (1HP-20)	OEE-151-02 Rev 9	GENERAL-ELECTRIC THED (40 A) 1XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPVA0021 RCP SEAL RETURN ISOLATION			
ICR-32(1HP-21)(HP-V13)(1ES-2) 1HP-21 ESFAS INTERFACE RLY	OEE-151-08 Rev 12	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
IRX-32(1HP-21) 1HP-21 CONTROL RLY	OEE-151-08 Rev 12	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1HP-21)(HP-V13)(1ES-2) RO RLY (1HP-21)	OEE-151-08 Rev 12	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
IDIB-25/(1HP-21)/MCB 125V PPB IDIB BKR 25 (1HP-21)	OEE-151-08 Rev 12	ITE EH2 (50 A) IDIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPVA0023 HPI LDST SUCTION ISOLATION			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XL-05E/(1HP-23)/MS 208V MCC 1XL-05E STARTER (1HP-23) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-12 Rev 4	CLARK BUL 6240 CY-1 (H1) 1XL	EVAL (MCC QUAL) AB 771
1XL-05E/(1HP-23)/MCB 208V MCC 1XL BKR 05E (1HP-23) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-12 Rev 4	GENERAL-ELECTRIC TEF6 (15/35 A) 1XL	NV AB 771
1HPVA0024 BWST SUCTION ISOLATION			
1CR-48(1HP-24)(HP-V22A)(IES-1) 1HP-24 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-04-01 Rev 2	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
1RX-41(1HP-24) 1HP-24 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-151-04 Rev 11	CUTLER-HAMMER D23MR40A 1ESTC1	GERS-RLY-AI2.4 AB 809
1RX-42(1HP-24) 1HP-24 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-04 Rev 11	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
RO(1HP-24)(HP-V22A)(IES-1) RO RLY (1HP-24) <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-151-04-01 Rev 2	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
1XS1-R01D/(1HP-24)/MS 208V MCC 1XS1-R01D STARTER (1HP-24) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-04 Rev 11	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
1XS1-R01D/(1HP-24)/MCB 208V MCC 1XS1 BKR R01D (1HP-24) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-04 Rev 11	GENERAL-ELECTRIC TED (20 A) 1XS1	NV AB 796
1HPVA0025 BWST SUCTION ISOLATION			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1CR-30(1HP-25)(HP-V22B)(1ES-2) 1HP-25 ESFAS INTERFACE RLY	OEE-151-05-01 Rev 2	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-29(1HP-25) 1HP-25 CONTROL RLY	OEE-151-05 Rev 10	CUTLER-HAMMER D23MR40A 1ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1RX-57(1HP-25) 1HP-25 CONTROL RLY	OEE-151-05 Rev 10	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1HP-25)(HP-V22B)(1ES-2) RO RLY (1HP-25)	OEE-151-05-01 Rev 2	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS2-R01A(1HP-25)/MS 208V MCC 1XS2-R01A STARTER (1HP-25)	OEE-151-05 Rev 10	CLARK BUL 6030 CY-1 (H1A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-R01A(1HP-25)/MCB 208V MCC 1XS2 BKR R01A (1HP-25)	OEE-151-05 Rev 10	GENERAL-ELECTRIC TED (20 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPVA0026			
HPI TRAIN 1A INJECTION			
1CR-47(1HP-26)(HP-V24A)(1ES-1) 1HP-26 ESFAS INTERFACE RLY	OEE-151-06 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-39(1HP-26) 1HP-26 CONTROL RLY	OEE-151-06 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1RX-40(1HP-26) 1HP-26 CONTROL RLY	OEE-151-06 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(1HP-26)(HP-V24A)(IES-1) RO RLY (1HP-26)	OEE-151-06 Rev 8	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS1-R02A/(1HP-26)/MS 208V MCC 1XS1-R02A STARTER (1HP-26)	OEE-151-06 Rev 8	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R02A/(1HP-26)/MCB 208V MCC 1XS1 BKR R02A (1HP-26)	OEE-151-06 Rev 8	GENERAL-ELECTRIC THED (30 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPVA0027			
HPI TRAIN 1B (EMERGENCY) INJECTION			
1CR-29(1HP-27)(HP-V24B)(IES-2) 1HP-27 ESFAS INTERFACE RLY	OEE-151-07 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1RX-28(1HP-27) 1HP-27 CONTROL RLY	OEE-151-07 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1RX-58(1HP-27) 1HP-27 CONTROL RLY	OEE-151-07 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO(1HP-27)(HP-V24B)(IES-2) RO RLY (1HP-27)	OEE-151-07 Rev 8	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1XS2-R01B/(1HP-27)/MS 208V MCC 1XS2-R01B STARTER (1HP-27)	OEE-151-07 Rev 8	CLARK BUL 6030 CY-1 (H1A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-R01B/(1HP-27)/MCB 208V MCC 1XS2 BKR R01B (1HP-27)	OEE-151-07 Rev 8	GENERAL-ELECTRIC THED (30 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

IHPVA0031

RCP SEAL INJ FLOW CONTROL

IHPIFT0075 RCP SEAL INJ FLOW TRANSMITTER	OM 201-H-91 Rev DK	ROSEMOUNT 1151DP5J22T0603B2 IHPIFT0075	NV AB 783
--	--------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

IHPIP0025 RC PUMP SEAL INLET FLOW INDICATOR	OM 201-H-91 Rev DK	DIXSON SG101AXYX 1UB1	NV AB 822
---	--------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IHP11-FS RCP SEAL INLET FLOW SWITCH (ELECTRONIC MODULE)	OM 201-H-91 Rev DK	SAIC RP 2049-2 IICS	CNA AB 822
--	--------------------	---------------------------	------------------

CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Devices.

IHPIEP0002 IHP-31 VALVE POSITIONER (IHP11-E/P)	OM 201-H-91 Rev DK	BAILEY CONTROLS RP1211 IHPIEP0002	NV AB 775
--	--------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

IHPISS0060(IHP11-FICSELSTAT) IHP-31 SELECTOR STATION	OM 201-H-91 Rev DK	BAILEY CONTROLS RU1000 1UB1	NV AB 822
--	--------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IHP11-FICANALOGMEMORY RCP SEAL INLET FLOW ANALOG MEMORY	OM 201-H-91 Rev DK	BAILEY CONTROLS 6620770-1 IICS	NV AB 822
---	--------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IHP11-FICCONTROLLER RCP SEAL INLET FLOW CONTROLLER	OM 201-H-91 Rev DK	BAILEY CONTROLS 6620255-10 IICS	NV AB 822
--	--------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

83/SIHF/U1 RCP SEAL INLET FLOW AUTO-MAN TRANS RELAY	OM 201-H-94 Rev DG	BAILEY CONTROLS 6614306-1 IICS	CNA AB 822
---	--------------------	--------------------------------------	------------------

CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).

1KU-19/MCB(IHP-31) 120V PPB 1KU BKR 19 (ICS CAB 9 FEED)(IHP-31)	OM 201-H-91 Rev DK	ITE CC (20 A) 1KU	NV AB 809
---	--------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **UI High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1HPVA0098
 HPI SUCTION CROSSOVER

1XL-06D/(1HP-98)/MS 208V MCC 1XL-06D STARTER (1HP-98)	OEE-151-11 Rev 5	CLARK BUL 6030 CY-1 (H1) 1XL	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			

1XL-06D/(1HP-98)/MCB 208V MCC 1XL BKR 06D (1HP-98)	OEE-151-11 Rev 5	GENERAL-ELECTRIC TEF6 (15/35 A) 1XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			

1HPVA0115
 HPI DISCH HEADER SEPARATION

1XN-05D/(1HP-115)/MS 208V MCC 1XN-05D STARTER (1HP-115)	OEE-151-10 Rev 5	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			

1XN-05D/(1HP-115)/MCB 208V MCC 1XN BKR 05D (1HP-115)	OEE-151-10 Rev 5	GENERAL-ELECTRIC TEF6 (65/165 A) 1XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			

1HPVA0275
 RCP SEAL RETURN ISOL VALVE

1XO-R06D/(1HP-275)/MS 208V MCC 1XO-R06D STARTER (1HP-275)	OEE-151-28 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XO	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

1XO-R06D/(1HP-275)/MCB 208V MCC 1XO BKR R06D (1HP-275)	OEE-151-28 Rev 3	GENERAL-ELECTRIC TEF6 (15/35 A) 1XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

1HPVA0276
 RCP SEAL RETURN ISOL VALVE

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XP-F03C/(1HP-276)/MS 600V MCC 1XP-F03C STARTER (1HP-276) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-29 Rev 4	CLARK BUL 6240 CY-1 (H1) 1XP	EVAL (MCC QUAL) AB 796
1XP-F03C/(1HP-276)/MCB 600V MCC 1XP BKR F03C (1HP-276) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-29 Rev 4	GENERAL-ELECTRIC TEF(15A) 1XP	NV AB 796
IHPVA0355 HPI AUX SPRAY THROTTLE			
1HPIML0064 1HP-355 MANUAL LOADER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-47 Rev 1	MOORE PRODUCTS 350LANN 1UB1	NV AB 822
1KVIC-07/MCB 120V PPB 1KVIC BKR 07 (M/L 1HPIML0064 - 1HP-355) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-47 Rev 1	ITE QPI (20 A) 1KVIC	NV AB 809
IHPVA0405 ALT LETDOWN BOUNDARY			
1XSF-F05B(600V)/(1HP-405)/MS 600V MCC 1XSF-F05B STARTER (1HP-405) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-34 Rev 2	GTE-SYLVANIA BUL 6240 1XSF(600V)	EVAL (SSF QUAL) SSF 817
1XSF-F05B(600V)/(1HP-405)/MCB 600V MCC 1XSF BKR F05B (1HP-405) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-34 Rev 2	GENERAL-ELECTRIC THED (20 A) 1XSF(600V)	NV SSF 817
IHPVA0409 HPI CROSSOVER ISOLATION			
1XS3-02D/(RSC-1HP-409)/MS REMOTE STARTER (1HP-409) FED FROM 600V MCC 1XS3-02D <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-32 Rev 6	GTE-SYLVANIA T40TA 1RSC-1HP-409/ENCL	EVAL (OSC-6642) AB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XS3-02D/(1HP-409&410)/MCB 600V MCC 1XS3 BKR 02D (1HP-409 & 1HP-410)	OEE-151-32 Rev 6	GENERAL-ELECTRIC THED (30 A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPVA0410 HPI CROSSOVER ISOLATION			
1XS3-02D/(RSC-1HP-410)/MS REMOTE STARTER (1HP-410) FED FROM 600V MCC 1XS3-02D	OEE-151-33 Rev 6	GTE-SYLVANIA T40TA 1RSC-1HP-410/ENCL	EVAL (OSC-6642) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1HPVA0417 ALT LETDOWN BOUNDARY			
1XSF-F02B(600V)/(1HP-417)/MS 600V MCC 1XSF-F02B STARTER (1HP-417)	OEE-151-38 Rev 2	GTE-SYLVANIA BUL 6240 1XSF(600V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XSF-F02B(600V)/(1HP-417)/MCB 600V MCC 1XSF BKR F02B (1HP-417)	OEE-151-38 Rev 2	GENERAL-ELECTRIC THED (20 A) 1XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPVA0426 ALT LETDOWN PATH ISOLATION			
1XSF-F04B(600V)/(1HP-426)/MS 600V MCC 1XSF-F04B STARTER (1HP-426)	OEE-151-45 Rev 1	GTE-SYLVANIA BUL 6240 1XSF(600V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XSF-F04B(600V)/(1HP-426)/MCB 600V MCC 1XSF BKR F04B (1HP-426)	OEE-151-45 Rev 1	GENERAL-ELECTRIC THED (20 A) 1XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1HPVA0428 ALT LETDOWN PATH ISOLATION			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XSF-1-02B/(1HP-428)/MS 208V MCC 1XSF-1-02B STARTER (1HP-428) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-151-42 Rev 2	GTE-SYLVANIA BUL 6240 1XSF-1(208V)	EVAL (SSF QUAL) SSF 797
1XSF-1-02B/(1HP-428)/MCB 208V MCC 1XSF-1 BKR 02B (1HP-428) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-151-42 Rev 2	GENERAL-ELECTRIC THED (20 A) 1XSF-1(208V)	NV SSF 797

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 ICCM**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICCAPD/U1 ICC PLASMA DISPLAY TRAIN A	OEE-155-03 Rev 2	WESTINGHOUSE ICCM-86 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1TE1602(Typical) CORE EXIT THERMOCOUPLE 1TE1602	O-794-A Rev 4	B & W 1104604 1CET	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCLT0123 1A RCS HOT LEG LVL (ICCM A)	O-422-I-7 Rev 6	ITT BARTON 752 1RCLT0123	NV RB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCLT0125 RV HEAD LEVEL (ICCM A)	O-422-I-7 Rev 6	ITT BARTON 752 1RCLT0125	NV RB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCMT0101 WR RCS PRESS TRAIN A (ICCM)	OEE-155-24 Rev 0	ROCHESTER INSTRUMENTS SC1302 1TBATWS1	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCPT0244 WR RCS PRESS TRAIN A (ICCM)	OEE-155-24 Rev 0	ITT-BARTON 753 1RCPT0244	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIA-08/MCB(ICCAPD/U1) 120V PPB 1KVIA BKR 08 (ICC PD A)	OEE-155-03 Rev 2	ITE QP1 (20 A) 1KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CP0343 UST 1A LEVEL INDICATION (ICCM)	OEE-155-10 Rev 2	WESTINGHOUSE VX-252 1AB3	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CLT0036 UST 1A LEVEL	OEE-155-10 Rev 2	ROSEMOUNT 1153DB4RB 1CLT0036	NV TB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICCBPD/U1 ICC PLASMA DISPLAY TRAIN B	OEE-155-02 Rev 1	WESTINGHOUSE ICCM-86 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 ICCM**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ITE1607(Typical) CORE EXIT THERMOCOUPLE ITE1607 <i>NV - Not Vulnerable To Contact Chatter.</i>	O-794-F Rev 4	B & W 1104604 1CET	NV RB 809
1RCLT0124 1B RCS HOT LEG LVL (ICCM B) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-422-I-7 Rev 6	ITT BARTON 752 1RCLT0124	NV RB 809
1RCLT0126 RV HEAD LEVEL (ICCM B) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-422-I-7 Rev 6	ITT BARTON 752 1RCLT0126	NV RB 809
1RCMT0102 WR RCS PRESS TRAIN B (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-25 Rev 0	ROCHESTER INSTRUMENTS SC1302 1TBATWS2	NV AB 809
1RCPT0245 WR RCS PRESS TRAIN B (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-25 Rev 0	ITT-BARTON 753 1RCPT0245	NV AB 809
1KVIB-13/MCB(ICCBPD/U1) 120V PPB 1KVIB BKR 13 (ICC PD B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-02 Rev 1	ITE QP1 (20 A) 1KVIB	NV AB 809
ICP0081 UST 1B LEVEL INDICATION (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-10 Rev 2	WESTINGHOUSE VX-252 1AB1	NV AB 822
1CLT0015A UST 1B LEVEL <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-10 Rev 2	ROSEMOUNT 1153DB4RB 1CLT0015A	NV TB 838

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 189 of 280

SYSTEM: U1 Keowee Start

SUB SYSTEM: Emergency Start Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
KA KEOWEE EM START RLY (CH A)	OEE-120 Rev 11	CUTLER-HAMMER D23MRD70A1 1KESP	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
RO(KEOSTART)(1ES-1) RO RLY KEOWEE EMERGENCY START CHANNEL A	OEE-120 Rev 11	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
SIA SWYD ISOLATED AUX RELAY (CH A)	OEE-120 Rev 11	CUTLER-HAMMER D23MRD70A1 1KESP	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
1DIA-02/MCB 125V PPB 1DIA BKR 02 (KEOWEE EMERG START CHANNEL A)	OEE-120 Rev 11	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
KB KEOWEE EM START RLY (CH B)	OEE-120-01 Rev 13	CUTLER-HAMMER D23MRD70A1 1KESP	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
RO(KEOSTART)(1ES-2) RO RLY KEOWEE EMERGENCY START CHANNEL B	OEE-120-01 Rev 13	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
SIB SWYD ISOLATED AUX RELAY (CH B)	OEE-120-01 Rev 13	CUTLER-HAMMER D23MRD70A1 1KESP	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
1DIB-02/MCB 125V PPB 1DIB BKR 02 (KEOWEE EMERG START CHANNEL B)	OEE-120-01 Rev 13	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S47* Building Floor Elev
ILPIP0015 BWST TEMP INDICATION (PNEUMATIC)	O-711-E Rev 45	BAILEY CONTROLS PY1000B 1UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ILPITT0001A BWST TEMP TRANSMITTER (PNEUMATIC)	SEISMIC REVIEW Rev 11	BAILEY CONTROLS KT-1410A 1LPITK0001	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ILPIP0030 LPI TRAIN 1B INJ FLOW IND	OEE-152-28 Rev 0	DIXSON SA101AXTX 1UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ILPIFT0004P LPI TRAIN 1B INJ FLOW TRANS (Powered by ICCM)	OEE-152-28 Rev 0	ROSEMOUNT 1153DB5RB 1LPIFT0004P	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ISKK-17/MCB(1LPIP0030) 120V PPB ISKK BKR 17 (1LPIP0030)	OEE-155-05 Rev 2	SQUARE-D QOB (20 A) ISKK	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ILPIP0037 LPI TRAIN 1A INJ FLOW IND	OEE-152-31 Rev 0	DIXSON SA101AXTX 1UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ILPIFT0005P LPI TRAIN 1A INJ FLOW TRANS (Powered by ICCM)	OEE-152-31 Rev 0	ROSEMOUNT 1153DB5RB 1LPIFT0005P	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ISKJ-21/MCB(1LPIP0037) 120V PPB ISKJ BKR 21 (1LPIP0037)	OEE-155-11 Rev 1	SQUARE-D QOB (20 A) ISKJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ILPIP0346 BWST LEVEL INDICATION	OEE-155-04 Rev 0	WESTINGHOUSE VX-252 1UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ILPILT0002A BWST LEVEL TRANSMITTER	OEE-155-04 Rev 0	ROSEMOUNT 1153DB5PB 1LPITK0001	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1LPIP0348 LPI COOLER TEMP INDICATOR (Powered by ICS)	O-711-E Rev 45	DIXSON SG202AXTX 1UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPITE0209 LPI COOLER 1B OUTLET TEMP (ICS Input)	OM 201-H-89 Rev DL	CONAX 7S22-10000X 1LPITE0209	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LP2-TT1 LPI COOLER OUTLET TEMP SIGNAL CONVERTER (Powered by ICS)	OM 201-H-89 Rev DL	BAILEY CONTROLS 6621367-1 1ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPITE0210 LPI COOLER 1A OUTLET TEMP (ICS Input)	OM 201-H-89 Rev DL	CONAX 7S22-10000X 1LPITE0210	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LP2-TT2 LPI COOLER OUTLET TEMP SIGNAL CONVERTER (Powered by ICS)	OM 201-H-89 Rev DL	BAILEY CONTROLS 6621367-1 1ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Injection**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1LPIPU0001			
1LPI PUMP A			
1TC-10 4KV SWGR 1TC BKR 10 (1LPIP A)	OEE-117-48 Rev 9	ITE 5HK-350 (1200 A) 1TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CR-52(1LPIPA) 1LPIP A ESFAS INTERFACE RLY	OEE-117-48 Rev 9	CUTLER-HAMMER D23MRD30A1 1TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(1TC-10) 1LPI PUMP A OC RLY (X PHASE)	OEE-117-48 Rev 9	WESTINGHOUSE CO-5 (1875241) 1TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TC-10) 1LPI PUMP A OC RLY (Z PHASE)	OEE-117-48 Rev 9	WESTINGHOUSE CO-5 (1875241) 1TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(1TC-10) 1LPI PUMP A GROUND OC RLY	OEE-117-48 Rev 9	ITE GR-5 (202D6141) 1TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(1LPIPA)(LP-P1A)(IES-3) RO RLY (1LPIP A)	OEE-117-48 Rev 9	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
1LPIPU0002			
1LPI PUMP B			
1TD-10 4KV SWGR 1TD BKR 10 (1LPIP B)	OEE-117-63 Rev 9	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CR-33(1LPIPB) 1LPIP B ESFAS INTERFACE RLY	OEE-117-63 Rev 9	CUTLER-HAMMER D23MRD30A1 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51X(1TD-10) 1LPI PUMP B OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-63 Rev 9	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(1TD-10) 1LPI PUMP B OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-63 Rev 9	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(1TD-10) 1LPI PUMP B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-63 Rev 9	ITE GR-5 (202D6141) 1TD	NV TB 796
RO(1LPIB)(LP-P1B)(1ES-4) RO RLY (1LPIB) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-117-63 Rev 9	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
1LPIPU0003 1LPI PUMP C			
ITE-10 4KV SWGR ITE BKR 10 (1LPIP C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-77 Rev 5	ITE 5HK-350 (1200 A) ITE	NV TB 796
27(1TE-10) 1LPI PUMP C UV RLY <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-117-77 Rev 5	WESTINGHOUSE CV-2 (1875508) ITE	CA TB 796
50-51X(1TE-10) 1LPI PUMP C OC RLY (X PHASE) <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-117-77 Rev 5	WESTINGHOUSE CO-5 (1875241) ITE	CA TB 796
50-51Z(1TE-10) 1LPI PUMP C OC RLY (Z PHASE) <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-117-77 Rev 5	WESTINGHOUSE CO-5 (1875241) ITE	CA TB 796
50G(1TE-10) 1LPI PUMP C GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-77 Rev 5	ITE GR-5 (202D6141) ITE	NV TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR1/U1(ITE-10) 1LPI PUMP C AUX RLY	OEE-117-77 Rev 5	STRUTHERS-DUNN 219BBXP 1TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>			
TDR1(ITE-10) 1LPI PUMP C CONTROL RLY	OEE-117-77 Rev 5	AGASTAT 7014 PB 1TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>			
TDR2(ITE-10) 1LPI PUMP C CONTROL RLY	OEE-117-77 Rev 5	AGASTAT 7012 PBL 1TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

ILPVA0001

LPI DROPLINE ISOL FROM RCS

IRC3-PSTI RC PRESS INTERLOCK FROM ICS	OEE-152-13 Rev 9	BAILEY CONTROLS 6613303-1 IICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
1XS1-F04D/(1LP-1)/MS 600V MCC 1XS1-F04D STARTER (1LP-1)	OEE-152-13 Rev 9	CLARK BUL 6030 CY-1 (B1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-F04D/(1LP-1)/MCB 600V MCC 1XS1 BKR F04D (1LP-1)	OEE-152-13 Rev 9	GENERAL-ELECTRIC THEF (20 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

ILPVA0002

LPI DROPLINE ISOL FROM RCS

IRCPS0364 RC PRESS SWITCH	OEE-152-14 Rev 9	CUSTOM COMPONENTS CC-604GZX5-7011 IRCPS0364	CA RB 825
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
1XS1-F05C/(RSC-1LP-2)/MS 600V REMOTE STARTER F01A (1LP-2)	OEE-152-14 Rev 9	GTE-SYLVANIA/CLARK BUL 6200 XSF(600V)	EVAL (OSC-6642) SSF 777
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-F05C/(RSC-1LP-2)/MCB 600V MCC 1XS1 BKR F05C (1LP-2)	OEE-152-14 Rev 9	GENERAL-ELECTRIC THED (20 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

ILPVA0003

LPI HOT LEG SUCTION

1XO-R03E/(1LP-3)/MS 208V MCC 1XO-R03E STARTER (1LP-3)	OEE-152 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XO	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XO-R03E/(1LP-3)/MCB 208V MCC 1XO BKR R03E (1LP-3)	OEE-152 Rev 3	GENERAL-ELECTRIC TEF6 (28/68 A) 1XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0005 LPI PUMP 1A SUCTION			
1XL-06E/(1LP-5)/MS 208V MCC 1XL-06E STARTER (1LP-5)	OEE-152-05 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XL	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XL-06E/(1LP-5)/MCB 208V MCC 1XL BKR 06E (1LP-5)	OEE-152-05 Rev 4	GENERAL-ELECTRIC TEF6 (65/165 A) 1XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0006 LPI SUCTION CROSSOVER			
1XL-08E/(1LP-6)/MS 208V MCC 1XL-08E STARTER (1LP-6)	OEE-152-07 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XL	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XL-08E/(1LP-6)/MCB 208V MCC 1XL BKR 08E (1LP-6)	OEE-152-07 Rev 2	GENERAL-ELECTRIC TEF6 (65/165 A) 1XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0007 LPI SUCTION CROSSOVER			
1XN-08E/(1LP-7)/MS 208V MCC 1XN-08E STARTER (1LP-7)	OEE-152-08 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XN-08E/(1LP-7)/MCB 208V MCC 1XN BKR 08E (1LP-7)	OEE-152-08 Rev 2	GENERAL-ELECTRIC TEF6 (65/165 A) 1XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

ILPVA0008

LPI PUMP 1B SUCTION

1XN-06E/(1LP-8)/MS 208V MCC 1XN-06E STARTER (1LP-8)	OEE-152-06 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XN-06E/(1LP-8)/MCB 208V MCC 1XN BKR 06E (1LP-8)	OEE-152-06 Rev 3	GENERAL-ELECTRIC TEF6 (65/165 A) 1XN	NV AB 771
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

ILPVA0009

LPI CROSSOVER

1XL-07D/(1LP-9)/MS 208V MCC 1XL-07D STARTER (1LP-9)	OEE-152-17 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XL	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XL-07D/(1LP-9)/MCB 208V MCC 1XL BKR 07D (1LP-9)	OEE-152-17 Rev 2	GENERAL-ELECTRIC TEF6 (28/68 A) 1XL	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

ILPVA0010

LPI CROSSOVER

1XN-07D/(1LP-10)/MS 208V MCC 1XN-07D STARTER (1LP-10)	OEE-152-18 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XN-07D/(1LP-10)/MCB 208V MCC 1XN BKR 07D (1LP-10)	OEE-152-18 Rev 2	GENERAL-ELECTRIC TEF6 (28/68 A) 1XN	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

ILPVA0011

LPI COOLER 1A ISOLATION

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XN-10D/(1LP-11)/MS 208V MCC 1XN-10D STARTER (1LP-11) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-22 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
1XN-10D/(1LP-11)/MCB 208V MCC 1XN BKR 10D (1LP-11) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-22 Rev 4	GENERAL-ELECTRIC TEF6 (28/68 A) 1XN	NV AB 771
1LPVA0012 LPI COOLER 1A ISOLATION			
1XS1-R01A/(1LP-12)/MS 208V MCC 1XS1-R01A STARTER (1LP-12) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-15 Rev 4	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
1XS1-R01A/(1LP-12)/MCB 208V MCC 1XS1 BKR R01A (1LP-12) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-15 Rev 4	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
1LPVA0013 LPI COOLER 3B ISOLATION			
1XN-10E/(1LP-13)/MS 208V MCC 1XN-10E STARTER (1LP-13) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-22 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
1XN-10E/(1LP-13)/MCB 208V MCC 1XN BKR 10E (1LP-13) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-22 Rev 4	GENERAL-ELECTRIC TEF6 (65/165 A) 1XN	NV AB 771
1LPVA0014 LPI COOLER 1B ISOLATION			
1XS2-R02A/(1LP-14)/MS 208V MCC 1XS2-R02A STARTER (1LP-14) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-16 Rev 5	CLARK BUL 6030 CY-1 (H1A) 1XS2	EVAL (MCC QUAL) AB 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XS2-R02A/(1LP-14)/MCB 208V MCC 1XS2 BKR R02A (1LP-14) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-16 Rev 5	GENERAL-ELECTRIC THEF (15 A) 1XS2	NV AB 796
1LPVA0015 LPI TO HPI/RBS PIGGYBACK TRAIN 1A			
1XL-09D/(1LP-15)/MS 208V MCC 1XL-09D STARTER (1LP-15) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-03 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XL	EVAL (MCC QUAL) AB 771
1XL-09D/(1LP-15)/MCB 208V MCC 1XL BKR 09D (1LP-15) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-03 Rev 3	GENERAL-ELECTRIC TEF6 (15/35 A) 1XL	NV AB 771
1LPVA0016 LPI TO HPI/RBS PIGGYBACK TRAIN 1B			
1XN-09D/(1LP-16)/MS 208V MCC 1XN-09D STARTER (1LP-16) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-04 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
1XN-09D/(1LP-16)/MCB 208V MCC 1XN BKR 09D (LP-16) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-04 Rev 3	GENERAL-ELECTRIC TEF6 (15/35 A) 1XN	NV AB 771
1LPVA0017 LPI TRAIN 1A INJECTION ISOLATION			
ICR-53(1LP-17) 1LP-17 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-152-09 Rev 12	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
IRX-46(1LP-17) 1LP-17 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-152-09 Rev 12	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(1LP-17)(LP-V4A)(IES-3) RO RLY (1LP-17)	OEE-152-09 Rev 12	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS1-F04E/(1LP-17)/MS 600V MCC 1XS1-F04E STARTER (1LP-17)	OEE-152-09 Rev 12	CLARK BUL 6030 CY-2 (B2A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-F04E/(1LP-17)/MCB 600V MCC 1XS1 BKR F04E (1LP-17)	OEE-152-09 Rev 12	GENERAL-ELECTRIC THED (50 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0018 LPI TRAIN 1B INJECTION ISOLATION			
1CR-34(1LP-18) 1LP-18 ESFAS INTERFACE RLY	OEE-152-10 Rev 12	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-33(1LP-18) 1LP-18 CONTROL RLY	OEE-152-10 Rev 12	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LP-18)(LP-V4B)(IES-4) RO RLY (1LP-18)	OEE-152-10 Rev 12	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS2-F04E/(1LP-18)/MS 600V MCC 1XS2-F04E STARTER (1LP-18)	OEE-152-10 Rev 12	CLARK BUL 6030 CY-2 (B2A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-F04E/(1LP-18)/MCB 600V MCC 1XS2 BKR F04E (1LP-18)	OEE-152-10 Rev 12	GENERAL-ELECTRIC THED (50 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0019 RB EM SUMP SUCTION			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XS3-05D/(1LP-19)/MS 208V MCC 1XS3-05D STARTER (1LP-19) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-01 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XS3	EVAL (MCC QUAL) AB 796
1XS3-05D/(1LP-19)/MCB 208V MCC 1XS3 BKR 05D (1LP-19) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-01 Rev 3	GENERAL-ELECTRIC THEF (15 A) 1XS3	NV AB 796
ILPVA0020 RB EM SUMP SUCTION			
1XS2-R04C/(1LP-20)/MS 208V MCC 1XS2-R04C STARTER (1LP-20) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-02 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XS2	EVAL (MCC QUAL) AB 796
1XS2-R04C/(1LP-20)/MCB 208V MCC 1XS2 BKR R04C (1LP-20) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-02 Rev 3	GENERAL-ELECTRIC THEF (15 A) 1XS2	NV AB 796
ILPVA0021 BWST SUCTION ISOLATION			
1CR-65(1LP-21) 1LP-21 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-152-11-01 Rev 0	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
1CR-66(1LP-21) 1LP-21 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-152-11-01 Rev 0	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
1RX-56(1LP-21) 1LP-21 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-152-11 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
RO1(1LP-21)(1ES-3) RO1 RLY (1LP-21) <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-152-11-01 Rev 0	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S47* Building Floor Elev
RO2(1LP-21)(IES-7) RO2 RLY (1LP-21)	OEE-152-11-01 Rev 0	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1XS1-R03C/(1LP-21)/MS 208V MCC 1XS1-R03C STARTER (1LP-21)	OEE-152-11 Rev 8	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R03C/(1LP-21)/MCB 208V MCC 1XS1 BKR R03C (1LP-21)	OEE-152-11 Rev 8	GENERAL-ELECTRIC TED (50 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0022			
BWST SUCTION ISOLATION			
ICR-35(1LP-22) 1LP-22 ESFAS INTERFACE RLY	OEE-152-12-01 Rev 0	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
ICR-67(1LP-22) 1LP-22 ESFAS INTERFACE RLY	OEE-152-12-01 Rev 0	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
IRX-34(1LP-22) 1LP-22 CONTROL RLY	OEE-152-12 Rev 8	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO1(1LP-22)(IES-4) RO1 RLY (1LP-22)	OEE-152-12-01 Rev 0	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO2(1LP-22)(IES-8) RO2 RLY (1LP-22)	OEE-152-12-01 Rev 0	BAILEY CONTRQLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
1XS2-R01C/(1LP-22)/MS 208V MCC 1XS2-R01C STARTER (1LP-22)	OEE-152-12 Rev 8	CLARK BUL 6030 CY-1 (H1A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XS2-R01C/(1LP-22)/MCB 208V MCC 1XS2 BKR R01C (1LP-22)	OEE-152-12 Rev 8	GENERAL-ELECTRIC TED (50 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0069			
LPI SWITCHOVER FLOW CONTROL			
1XN-09E/(1LP-69)/MS 208V MCC 1XN-09E STARTER (1LP-69)	OEE-152-20 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XN	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XN-09E/(1LP-69)/MCB 208V MCC 1XN BKR 09E (1LP-69)	OEE-152-20 Rev 4	GENERAL-ELECTRIC TEF6 (65/165 A) 1XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0103			
BORON DILUTION ISOLATION			
1XSF-F06D(600V)/(1LP-103)/MS 600V MCC 1XSF-F06D STARTER (1LP-103)	OEE-152-23 Rev 4	GTE-SYLVANIA/CLARK BUL 6240 1XSF(600V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XSF-F06D(600V)/(1LP-103)/MCB 600V MCC 1XSF BKR F06D (1LP-103)	OEE-152-23 Rev 4	GENERAL-ELECTRIC THED (20 A) 1XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0104			
BORON DILUTION ISOLATION			
1XS2-F03D/(1LP-104)/MS 600V MCC 1XS2-F03D STARTER (1LP-104)	OEE-152-24 Rev 5	CLARK BUL 6030 CY-1 (B1A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-F03D/(1LP-104)/MCB 600V MCC 1XS2 BKR F03D (1LP-104)	OEE-152-24 Rev 5	GENERAL-ELECTRIC THEF (20A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

ILPVA0105

BORON DILUTION ISOLATION

1XS1-F05D/(1LP-105)/MS 600V MCC 1XS1-F05D STARTER (1LP-105) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-152-25 Rev 4	GTE-SYLVANIA/CLARK BUL 6030 CY-1 (B1A) 1XS1	EVAL (MCC QUAL) AB 796
---	------------------	---	------------------------------

1XS1-F05D/(1LP-105)/MCB 600V MCC 1XS1 BKR F05D (1LP-105) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-152-25 Rev 4	GENERAL-ELECTRIC THEF (20 A) 1XS1	NV AB 796
---	------------------	---	-----------------

ILPVA0126

LPI POST ACCIDENT SAMPLE ISOL

K5/U1 LP-126 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-162-02 Rev 2	POTTER-BRUMFIELD KRPI1AG IPASCP	GERS-RLY-ARS.4 AB 771
---	------------------	---------------------------------------	-----------------------------

IL2-39/MCB(1LP-126) 120V PPB IL2 BKR 39 (1LP-126) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-162-02 Rev 2	GENERAL-ELECTRIC TQL (20 A) IL2	NV AB 771
--	------------------	---------------------------------------	-----------------

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Service Water**

SUB SYSTEM: **Alarms**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ISA9 ANNUNCIATOR ISA9	OEE-118-19 Rev 15	LUNDELL 4000 1VB3	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ISA9-09 ANNUNCIATOR ISA9 WINDOW 09 (LPSW HDR PRESS ALARM)	OEE-118-19 Rev 15	LUNDELL 4000 1VB3	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LSPS0095 LPSW HEADER PRESSURE	OEE-028-03 Rev 5	CUSTOM COMPONENTS 604-GX-11 1LSPS0095	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1LSPS0096 LPSW HEADER PRESSURE	OEE-028-03 Rev 5	CUSTOM COMPONENTS 604-GX-11 1LSPS0096	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
PS95X LPS WATER PUMP DISCHARGE HDR A AUX RLY	OEE-028-03 Rev 5	CUTLER-HAMMER D23MR40A 1MTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
PS96X LPS WATER PUMP DISCHARGE HDR B AUX RLY	OEE-028-03 Rev 5	CUTLER-HAMMER D23MR40A 1MTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
IKE-08/MCB 120V PPB IKE BKR 08 (LPSW HDR PRESS ALARMS)	OEE-028-03 Rev 5	GENERAL-ELECTRIC TQL (30 A) IKE	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Service Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1LPSPU0001			
LPSW PUMP A			
ITC-12 4KV SWGR ITC BKR 12 (LPSWP A)	OEE-117-50 Rev 9	ITE 5HK-350 (1200 A) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CR-62(1LPSWPA)(LPSW-P1A)(1ES-3) LPSWP A ESFAS INTERFACE RLY	OEE-117-50 Rev 9	CUTLER-HAMMER D23MRD30A1 ITC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
2CR-01(LPSWPA)(LPSW-P1A)(2ES-3) LPSWP A ESFAS INTERFACE RLY	OEE-117-50 Rev 9	CUTLER-HAMMER D23MRD30A1 ITC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
2CR-02(LPSWPA)(LPSW-P1A)((2ES-4) LPSWP A ESFAS INTERFACE RLY	OEE-117-50 Rev 9	CUTLER-HAMMER D23MRD30A1 ITC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(ITC-12) LPSW PUMP A OC RLY (X PHASE)	OEE-117-50 Rev 9	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(ITC-12) LPSW PUMP A OC RLY (Z PHASE)	OEE-117-50 Rev 9	WESTINGHOUSE CO-5 (1875241) ITC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(ITC-12) LPSW PUMP A GROUND OC RLY	OEE-117-50 Rev 9	ITE GR-5 (202D6141) ITC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(LPSWPA)(LPSW-P1A)(1ES-3) RO RLY (LPSWP A)	OEE-117-50 Rev 9	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
RO(LPSWPA)(LPSW-P1A)(2ES-3) RO RLY (LPSWP A)	OEE-117-50 Rev 9	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Service Water**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(LPSWPA)(LPSW-P1A)(2ES-4) RO RLY (LPSWP A)	OEE-117-50 Rev 9	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
1LSPU0002			
LPSW PUMP B			
1TD-15 4KV SWGR 1TD BKR 15 (LPSW B)	OEE-117-83 Rev 7	ITE 5HK-350 (1200 A) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TD-12 4KV SWGR 2TD BKR 12 (LPSWP B)	OEE-217-37 Rev 6	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CR-36(LPSWPB)(LPSW-P1B)(1ES-4) LPSWP B ESFAS INTERFACE RLY	OEE-117-83-A Rev 8	CUTLER-HAMMER D23MRD30A1 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
2CR-03(LPSWPB)(LPSW-P1B)(2ES-4) LPSWP B ESFAS INTERFACE RLY	OEE-117-83-A Rev 8	CUTLER-HAMMER D23MRD30A1 1TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(1TD-15) LPSW PUMP B OC RLY (X PHASE)	OEE-117-83 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TD-12) LPSW PUMP B OC RLY (X PHASE)	OEE-217-37 Rev 6	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(1TD-15) LPSW PUMP B OC RLY (Z PHASE)	OEE-117-83 Rev 7	WESTINGHOUSE CO-5 (1875241) 1TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TD-12) LPSW PUMP B OC RLY (Z PHASE)	OEE-217-37 Rev 6	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Service Water**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50G(1TD-15) LPSW PUMP B GROUND OC RLY	OEE-117-83 Rev 7	ITE GR-5 (202D6141) 1TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50G(2TD-12) LPSW PUMP B GROUND OC RLY	OEE-217-37 Rev 6	ITE GR-5 (202D6141) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(LPSWPB)(LPSW-P1B)(1ES-4) RO RLY (LPSWP B)	OEE-117-83-A Rev 8	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
RO(LPSWPB)(LPSW-P1B)(2ES-4) RO RLY (LPSWP B)	OEE-117-83-A Rev 8	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
1LSPU0003			
LPSW PUMP C			
2TC-11 4KV SWGR 2TC BKR 11 (LPSWP C)	OEE-217-22 Rev 5	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CR-77(LPSWPC)(LPSW-P1C)(1ES-3) LPSWP C ESFAS INTERFACE RLY	OEE-217-22 Rev 5	CUTLER-HAMMER D23MRD30A1 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
1CR-78(LPSWPC)(LPSW-P1C)(1ES-4) LPSWP C ESFAS INTERFACE RLY	OEE-217-22 Rev 5	CUTLER-HAMMER D23MRD30A1 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
2CR-04(2LPSWPC) LPSWP C ESFAS INTERFACE RLY	OEE-217-22 Rev 5	CUTLER-HAMMER D23MRD30A1 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(2TC-11) LPSW PUMP C OC RLY (X PHASE)	OEE-217-22 Rev 5	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Service Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51Z(2TC-11) LPSW PUMP C OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-22 Rev 5	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(2TC-11) LPSW PUMP C GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-22 Rev 5	ITE GR-5 (202D6141) 2TC	NV TB 796
RO(LPSWPC)(LPSW-P1C)(1ES-3) RO RLY (LPSWP-C) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-217-22 Rev 5	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
RO(LPSWPC)(LPSW-P1C)(1ES-4) RO RLY (LPSWP-C) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-217-22 Rev 5	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
RO(LPSWPC)(LPSW-P1C)(2ES-3) RO RLY (LPSWP-C) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-217-22 Rev 5	BAILEY CONTROLS 6623990 IESFAS	CA AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

LPSVA0001

LPSW PUMP A SUCTION ISOL VALVE

1XGA-F08C/(1LPSW-1)/MS 208V MCC 1XGA-F08C STARTER (1LPSW-1)	OEE-138-03 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XGA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

1XGA-F08C/(1LPSW-1)/MCB 208V MCC 1XGA BKR F08C (1LPSW-1)	OEE-138-03 Rev 4	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

LPSVA0002

LPSW PUMP B SUCTION ISOL VALVE

1XGA-F08A/(1LPSW-2)/MS 208V MCC 1XGA-F08A STARTER (1LPSW-2)	OEE-138-01 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XGA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

1XGA-F08A/(1LPSW-2)/MCB 208V MCC 1XGA BKR F08A (1LPSW-2)	OEE-138-01 Rev 4	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

LPSVA0003

LPSW PUMP C SUCTION ISOL VALVE

1XGA-F08B/(1LPSW-3)/MS 208V MCC 1XGA-F08B STARTER (1LPSW-3)	OEE-138-02 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XGA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

1XGA-F08B/(1LPSW-3)/MCB 208V MCC 1XGA BKR F08B (1LPSW-3)	OEE-138-02 Rev 4	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

1LPSVA0004

LPI COOLER 1A ISOLATION VALVE

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICR-17(1LPSW-4)(LPSW-V1A)(IES-3) 1LPSW-4 ESFAS INTERFACE RLY	OEE-138-04 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-4)(LPSW-V1A)(IES-3) RO RLY (1LPSW-4)	OEE-138-04 Rev 9	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS1-R03D/(1LPSW-4)/MS 208V MCC 1XS1-R03D STARTER (1LPSW-4)	OEE-138-04 Rev 9	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R03D/(1LPSW-4)/MCB 208V MCC 1XS1 BKR R03D (1LPSW-4)	OEE-138-04 Rev 9	GENERAL-ELECTRIC TED (20 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPSVA0005 LPI COOLER IB ISOLATION VALVE			
ICR-18(1LPSW-5)(LPSW-V1B)(IES-4) 1LPSW-5 ESFAS INTERFACE RLY	OEE-138-05 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-5)(LPSW-V1B)(IES-4) RO RLY (1LPSW-5)	OEE-138-05 Rev 9	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS2-R02C/(1LPSW-5)/MS 208V MCC 1XS2-R02C STARTER (1LPSW-5)	OEE-138-05 Rev 9	CLARK BUL 6030 CY-1 (H1A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-R02C/(1LPSW-5)/MCB 208V MCC 1XS2 BKR R02C (1LPSW-5)	OEE-138-05 Rev 9	GENERAL-ELECTRIC TED (20 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPSVA0016 RBCU 1A SUPPLY VALVE			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XO-R01A/(1LPSW-16)/MS 208V MCC 1XO-R01A STARTER (1LPSW-16) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-138-06 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XO	EVAL (MCC QUAL) AB 796
1XO-R01A/(1LPSW-16)/MCB 208V MCC 1XO BKR R01A (1LPSW-16) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-138-06 Rev 4	GENERAL-ELECTRIC TEF6 (28/68 A) 1XO	NV AB 796
1LPSVA0018 RBCU 1A RETURN VALVE			
ICR-19(1LPSW-18)(LPSW-V3A)(1ES-5) 1LPSW-18 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-138-07 Rev 12	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
RO(1LPSW-18)(LPSW-V3A)(1ES-5) RO RLY (1LPSW-18) <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-138-07 Rev 12	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
1XS1-R03E/(1LPSW-18)/MS 208V MCC 1XS1-R03E STARTER (1LPSW-18) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-138-07 Rev 12	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
1XS1-R03E/(1LPSW-18)/MCB 208V MCC 1XS1 BKR R03E (1LPSW-18) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-138-07 Rev 12	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
1LPSVA0019 RBCU 1B SUPPLY VALVE			
1XO-R01B/(1LPSW-19)/MS 208V MCC 1XO-R01B STARTER (1LPSW-19) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-138-08 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XO	EVAL (MCC QUAL) AB 796
1XO-R01B/(1LPSW-19)/MCB 208V MCC 1XO BKR R01B (1LPSW-19) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-138-08 Rev 4	GENERAL-ELECTRIC TEF6 (28/68 A) 1XO	NV AB 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1LPSVA0021			
RBCU 1B RETURN VALVE			
ICR-20(1LPSW-21)(LPSW-V3B)(1ES-5) 1LPSW-21 ESFAS INTERFACE RLY	OEE-138-09 Rev 11	CUTLER-HAMMER D23MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
ICR-68(1LPSW-21)(LPSW-V3B)(1ES-6) 1LPSW-21 ESFAS INTERFACE RLY	OEE-138-09 Rev 11	CUTLER-HAMMER D23MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-21)(LPSW-V3B)(1ES-5) RO RLY (1LPSW-21)	OEE-138-09 Rev 11	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-21)(LPSW-V3B)(1ES-6) RO RLY (1LPSW-21)	OEE-138-09 Rev 11	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS3-05C/(1LPSW-21)/MS 208V MCC 1XS3-05C STARTER (1LPSW-21)	OEE-138-09 Rev 11	CLARK BUL 6030 CY-1 (H1A) 1XS3	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS3-05C/(1LPSW-21)/MCB 208V MCC 1XS3 BKR 05C (1LPSW-21)	OEE-138-09 Rev 11	GENERAL-ELECTRIC THEF (15A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPSVA0022			
RBCU 1C SUPPLY VALVE			
1XP-R01A/(1LPSW-22)/MS 208V MCC 1XP-R01A STARTER (1LPSW-22)	OEE-138-10 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XP	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XP-R01A/(1LPSW-22)/MCB 208V MCC 1XP BKR R01A (1LPSW-22)	OEE-138-10 Rev 4	GENERAL-ELECTRIC TEF6 (28/68 A) 1XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S47* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1LPSVA0024

RBCU 1C RETURN VALVE

1CR-21(1LPSW-24)(LPSW-V3C)(1ES-6) 1LPSW-24 ESFAS INTERFACE RLY	OEE-138-11 Rev 13	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
---	-------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(1LPSW-24)(LPSW-V3C)(1ES-6) RO RLY (1LPSW-24)	OEE-138-11 Rev 13	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
--	-------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1XS2-R02D/(1LPSW-24)/MS 208V MCC 1XS2-R02D STARTER (1LPSW-24)	OEE-138-11 Rev 13	CLARK BUL 6030 CY-1 (H1A) 1XS2	EVAL (MCC QUAL) AB 796
--	-------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XS2-R02D/(1LPSW-24)/MCB 208V MCC 1XS2 BKR R02D (1LPSW-24)	OEE-138-11 Rev 13	GENERAL-ELECTRIC THEF (15 A) 1XS2	NV AB 796
---	-------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

1LPSVA0137

TDEFW ISOLATION VALVE

1XC-R05D/(1LPSW-137)/MS 208V MCC 1XC-R05D STARTER (1LPSW-137)	OEE-138-33 Rev 7	CLARK BUL 6030 CY-1 (H1) 1XC	EVAL (MCC QUAL) TB 775
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XC-R05D/(1LPSW-137)/MCB 208V MCC 1XC BKR R05D (1LPSW-137)	OEE-138-33 Rev 7	GENERAL-ELECTRIC TEF6 (15/35 A) 1XC	NV TB 775
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

LPSVA0139

NONESSENTIAL HEADER ISOLATION VALVE

2XS3-05A/(0LPSW-139)/MS 208V MCC 2XS3-05A STARTER (0LPSW-139)	OEE-138-31 Rev 3	CLARK BUL 6030 CY-1 (H1A) 2XS3	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2XS3-05A/(OLPSW-139)/MCB 208V MCC 2XS3 BKR 05A (OLPSW-139)	OEE-138-31 Rev 3	GENERAL-ELECTRIC TED (20 A) 2XS3	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

1LPSVA0251

LPI COOLER 1A CONTROL VALVE

1LPSEP0022 DECAY HEAT COOLER E/P CONVERTER (1LPSW-251)	OEE-138-39 Rev 1	FISHER 646 1LPSEP0022	NV TB 775
--	------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1LPSFT0124 LPI COOLER 1A FLOW XMTR (1LPSW-251)	OEE-138-39 Rev 1	ROSEMOUNT 1151DP4J22B2 1LPSFT0124	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

1LPSS0040 LPI COOLER 1A FLOW (1LPSW-251)	OEE-138-39 Rev 1	MOORE PRODUCTS 352EA21NNF 1VB2	NV AB 822
---	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1KVIA-06/MCB 120V PPB 1KVIA BKR 06 (1LPSW-251) (1LPSSV1000)	OEE-138-50 Rev 0	ITE QP1 (20 A) 1KVIA	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1KVIB-11/MCB 120V PPB 1KVIB BKR 11 (LPSW DH COOLER 1A CONT 1LPSW-251)	OEE-138-45 Rev 1	ITE QP1 (20 A) 1KVIB	NV AB 809
---	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1LPSVA0252

LPI COOLER 1B CONTROL VALVE

1LPSEP0023 DECAY HEAT COOLER E/P CONVERTER (1LPSW-252)	OEE-138-39 Rev 1	FISHER 646 1LPSEP0023	NV TB 775
--	------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1LPSFT0125 LPI COOLER 1B FLOW XMTR (1LPSW-252)	OEE-138-39 Rev 1	ROSEMOUNT 1151DP4J22B2 1LPSFT0125	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 216 of 280

SYSTEM: U1 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1LPSS0041 LPI COOLER 1B FLOW (1LPSW-252)	OEE-138-39 Rev 1	MOORE PRODUCTS 352EA21NNF 1VB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIB-15/MCB 120V PPB 1KVIB BKR 15 (1LPSW-252) (1LPSSV1001)	OEE-138-52 Rev 0	ITE QP1 (20 A) 1KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIC-10/MCB 120V PPB 1KVIC BKR 10 (1LPSW-252)	OEE-138-45 Rev 1	ITE QP1 (20 A) 1KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0284			
CONT VAC PRIMING ISOL VALVE			
1XB-03B/(1LPSW-284)/MS 600V MCC 1XB-03B STARTER (CONT VAC PRIM PUMP A & 1LPSW-284)	OEE-136-25 Rev 2	CLARK BUL 6013 CY-2 (A2) 1XB	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XB-03B/(1LPSW-284)/MCB 600V MCC 1XB BKR 03B (CONT VAC PRIM PUMP A & 1LPSW-284)	OEE-136-25 Rev 2	GENERAL-ELECTRIC THEF (156/360 A) 1XB	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0290			
CONT VAC PRIMING ISOL VALVE			
1XB-03C/(1LPSW-290)/MS 600V MCC 1XB-03C STARTER (CONT VAC PRIM PUMP B & 1LPSW-290)	OEE-136-25 Rev 2	CLARK BUL 6013 CY-2 (A2) 1XB	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XB-03C/(1LPSW-290)/MCB 600V MCC 1XB BKR 03C (CONT VAC PRIM PUMP B & 1LPSW-290)	OEE-136-25 Rev 2	GENERAL-ELECTRIC THEF (156/360 A) 1XB	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPVA0565			
RB AUX COOLERS SUPPLY VALVE			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 217 of 280

SYSTEM: U1 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1CR-80(1LPSW-565)(1ES-5) 1LPSW-565 ESFAS INTERFACE RLY	OEE-138-36 Rev 6	CUTLER-HAMMER D26MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1CR-81(1LPSW-565)(1ES-6) 1LPSW-565 ESFAS INTERFACE RLY	OEE-138-36 Rev 6	CUTLER-HAMMER D26MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-80(1LPSW-565) 1LPSW-565 CONTROL RLY	OEE-138-36 Rev 6	CUTLER-HAMMER D26MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-565)(1ES-5) RO RLY (1LPSW-565)	OEE-138-36 Rev 6	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-565)(1ES-6) RO RLY (1LPSW-565)	OEE-138-36 Rev 6	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS3-03CT/(RSC-1LPSW-565)/MS REMOTE STARTER (1LPSW-565) (FED FROM 600V MCC 1XS3-03CT)	OEE-138-36 Rev 6	GTE-SYLVANIA BUL 6040 TM 1RSC-1LPSW-565/ENCL	EVAL (OSC-6642) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS3-03CT/(RSC-1LPSW-565)/MCB 600V MCC 1XS3 BKR 03CT (1LPSW-565)	OEE-138-36 Rev 6	GENERAL-ELECTRIC THED (20 A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1LPSVA0566			
RBCU 3B INLET VALVE			
1CR-82(1LPSW-566)(1ES-5) 1LPSW-566 ESFAS INTERFACE RLY	OEE-138-37 Rev 6	CUTLER-HAMMER D26MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1CR-83(1LPSW-566)(1ES-6) 1LPSW-566 ESFAS INTERFACE RLY	OEE-138-37 Rev 6	CUTLER-HAMMER D26MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IRX-81(1LPSW-566) 1LPSW-566 CONTROL RLY	OEE-138-37 Rev 6	CUTLER-HAMMER D26MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-566)(1ES-5) RO RLY (1LPSW-566)	OEE-138-37 Rev 6	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1LPSW-566)(1ES-6) RO RLY (1LPSW-566)	OEE-138-37 Rev 6	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS3-03CB/(RSC-1LPSW-566)/MS REMOTE STARTER (1LPSW-566) (FED FROM 600V MCC 1S3-03CB)	OEE-138-37 Rev 6	GTE-SYLVANIA BUL 6040 TM 1RSC-1LPSW-566/ENCL	EVAL (OSC-6642) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS3-03CB/(RSC-1LPSW-566)/MCB 600V MCC 1XS3 BKR 03CB (1LPSW-566)	OEE-138-37 Rev 6	GENERAL-ELECTRIC THED (20 A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Power**

SUB SYSTEM: **Protective Relaying**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62GXA/U1 TURBINE TRIP SIGNAL RLY	OEE-111-04 Rev 5	CUTLER-HAMMER D26MR804A 1EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86GA/U1 U1 GEN BUS LOCKOUT RLY	OEE-111-01 Rev 17	GENERAL-ELECTRIC HEA61C241 1EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86GB/U1 U1 GEN BUS LOCKOUT RLY	OEE-111-01 Rev 17	GENERAL-ELECTRIC HEA61C241 1EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86H/1 U1 GEN BACKUP LOCKOUT RELAY	OEE-111-02 Rev 11	GENERAL-ELECTRIC HEA61B238 1EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86HY/U1 U1 GEN BACKUP LOCKOUT RLY	OEE-111-02 Rev 11	GENERAL-ELECTRIC HEA61C245 1EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
1DIB-07/MCB 125V PPB 1DIB BKR 07 (UNIT 1 MAIN RELAYING)	OEE-111-01 Rev 17	ITE EH2 (20 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Steam**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1MSP0059 SG 1A & 1B PRESSURE	OM 201-H-77 Rev DJ	DIXSON SG202AXTX 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MSPT0024P SG 1A PRESSURE	OM 201-H-77 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 1MSPT0024P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MSPT0025P SG 1A PRESSURE	OM 201-H-77 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 1MSPT0025P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MSPT0026P SG 1B PRESSURE	OM 201-H-77 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 1MSPT0026P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MSPT0027P SG 1B PRESSURE	OM 201-H-77 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 1MSPT0027P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1SS6A-MS SG OUTLET PRESS LOOP A SELECTOR SWITCH	OM 201-H-85 Rev DG	GENERAL-ELECTRIC CR-104 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1SS6A-PT1(2) SEL SG OUTLET PRESS LOOP A SIGNAL CONV	OM 201-H-77 Rev DJ	BAILEY CONTROLS 6617150-3 IICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1SS6B-MS SG OUTLET PRESS LOOP A SELECTOR SWITCH	OM 201-H-85 Rev DG	GENERAL-ELECTRIC CR-104 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1SS6B-PT1(2) SEL SG OUTLET PRESS LOOP B SIG CONV	OM 201-H-77 Rev DJ	BAILEY CONTROLS 6617150-3 IICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
183/SGP-A/U1 U1 SG OUTLET PRESS LOOP A CONTROL RLY	OM 201-H-85 Rev DG	POTTER-BRUMFIELD KRP14AN IICS	CA AB 822

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Main Steam

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
183/SGP-B/U1 U1 SG OUTLET PRESS LOOP B CONTROL RLY	OM 201-H-85 Rev DG	POTTER-BRUMFIELD KRP14AN IICS	CA AB 822

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

IMSVA0017

TURBINE BYPASS ISOLATION

IXGB-R01A/(IMS-17)/MS 208V MCC 1XGB-R01A STARTER (IMS-17)	OEE-145-44 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XGB	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

IXGB-R01A/(IMS-17)/MCB 208V MCC 1XGB BKR R01A (IMS-17)	OEE-145-44 Rev 3	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGB	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSVA0019

TURBINE BYPASS VALVE

1MSMT0006 MAIN STEAM E/P CONVERTER (MS-19)	OM 201-H-21 Rev DL	BAILEY CONTROLS RP12 IMC-20	NV TB 796
---	--------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1MSPS0086 MAIN STEAM PRESS SWITCH (IMS-19)	OEE-145-56 Rev 15	ATWOOD & MOR CC604GX11 1MSPS0086	CA TB 796'+6"
---	-------------------	--	---------------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

IIC12A-MS(IC18.11)(MS-19&MS-22) SELECTOR STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 201-H-55 Rev DJ	BAILEY CONTROLS RU2000C-J IICS	CA AB 822
---	--------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

IIC18.11A(MS-19&MS-22) ANALOG MEMORY STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 201-H-55 Rev DJ	SEGA S-6135 IICS	NV AB 822
---	--------------------	------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

ISS15A-MC(MS-19&MS-22) SELECTOR STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 201-H-21 Rev DL	BAILEY CONTROLS RU6000C IASP	CA TB 822
--	--------------------	------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

83TBVA/U1(MS-19&MS-22) TRANSFER POWER TURBINE BY-PASS A VALVES (MS-19 & MS-22) RELAY	OM 201-H-56 Rev DM	POTTER-BRUMFIELD KRPA14AN IICS	CA AB 822
--	--------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 CONEEN NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
83XTBVA/U1(MS-19&MS-22) TRANSFER POWER TURBINE BY-PASS A VALVES (MS-19 & MS-22) AUX RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 201-H-56 Rev DM	POTTER-BRUMFIELD KRPA14AN IICS	CA AB 822
86-1/DSC/U1(MS-19,-22,-28,&-31) SIMULATOR PLUG CONNECTION REMOVED <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 201-H-101 Rev DH	POTTER-BRUMFIELD KRPA14AN IICS	CA AB 822
86CVL/U1(MS-19&MS-22) LOSS OF CONDENSER VACUUM RELAY (MS-19 & MS-22) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 201-H-56 Rev DM	POTTER-BRUMFIELD KRPA14AN IICS	CA AB 822
1KI-01/(MS-19)/MCB 120V PPB 1KI BKR 01 (MS-19) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-56 Rev 15	ITE CC (20 A) 1KI	NV AB 809
IMSVA0022 TURBINE BYPASS VALVE			
IMSMT0007 MAIN STEAM E/P CONVERTER (MS-22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-H-21 Rev DL	BAILEY CONTROLS RP1211C E/P IMC-20	NV TB 796
1MSPS0087 MAIN STEAM PRESS SWITCH (IMS-22) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-145-56 Rev 15	ATWOOD & MOR CC604GX11 1MSPS0087	CA TB 796'+6"
1KI-01/(MS-22)/MCB 120V PPB 1KI BKR 01 (MS-22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-56 Rev 15	ITE CC (20 A) 1KI	NV AB 809
IMSVA0024 AS ISOLATION			
1XGB-R01C/(1MS-24)/MS 208V MCC 1XGB-R01C STARTER (IMS-24) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-145-46 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XGB	EVAL (MCC QUAL) TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XGB-R01C/(1MS-24)/MCB 208V MCC 1XGB BKR R01C (1MS-24)	OEE-145-46 Rev 2	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MSVA0026 TURBINE BYPASS ISOLATION			
1XGB-R01B/(1MS-26)/MS 208V MCC 1XGB-R01B STARTER (1MS-26)	OEE-145-44 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XGB	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XGB-R01B/(1MS-26)/MCB 208V MCC 1XGB BKR R01B (1MS-26)	OEE-145-44 Rev 3	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MSVA0028 TURBINE BYPASS VALVE			
IMSMT0013 MAIN STEAM E/P CONVERTER (MS-28)	OM 201-H-21 Rev DL	BAILEY CONTROLS RP12 1MC-20	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSPS0088 MAIN STEAM PRESS SWITCH (1MS-28)	OEE-145-56 Rev 15	ATWOOD & MOR CC604GX11 1MSPS0088	CA TB 796'+6"
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
IIC12B-MS(IIC18.13)(MS-28&MS-31) SELECTOR STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 201-H-55 Rev DJ	BAILEY CONTROLS RU2000C-J IICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
IIC18.13A(MS-28&MS-31) ANALOG MEMORY STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 201-H-55 Rev DJ	SEGA S-6135 IICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ISS15B-MC(MS-28&MS-31) SELECTOR STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 201-H-21 Rev DL	BAILEY CONTROLS RU6000C 1ASP	CA TB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
83TBVB/U1(MS-28&MS-31) TRANSFER POWER TURBINE BY-PASS B VALVES (MS-28 & MS-31) RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 201-H-56 Rev DM	POTTER-BRUMFIELD KRPA14AN IICS	CA AB 822
83XTBVB/U1(MS-28&MS-31) TRANSFER POWER TURBINE BY-PASS B VALVES (MS-28 & MS-31) AUX RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 201-H-56 Rev DM	POTTER-BRUMFIELD KRPA14AN IICS	CA AB 822
86-1CVL/U1(MS-28&MS-31) LOSS OF CONDENSER VACUUM RELAY (MS-28 & MS-31) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 201-H-56 Rev DM	POTTER-BRUMFIELD KRPA14AN IICS	CA AB 822
1KI-01/(MS-28)/MCB 120V PPB 1KI BKR 01 (MS-28) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-56 Rev 15	ITE CC (20 A) 1KI	NV AB 809
IMSV A0031 TURBINE BYPASS VALVE			
IMSMT0014 MAIN STEAM E/P CONVERTER (MS-31) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-H-21 Rev DL	BAILEY CONTROLS RP12 1MC-20	NV TB 796
IMSPS0089 MAIN STEAM PRESS SWITCH (IMS-31) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-145-56 Rev 15	ATWOOD & MOR CC604GX11 IMSPS0089	CA TB 796'+6"
1KI-01/(MS-31)/MCB 120V PPB 1KI BKR 01 (MS-31) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-56 Rev 15	ITE CC (20 A) 1KI	NV AB 809
IMSV A0033 AS ISOLATION			
1XGB-R01D/(1MS-33)/MS 208V MCC 1XGB-R01D STARTER (IMS-33) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-145-46 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XGB	EVAL (MCC QUAL) TB 796

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **UI Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XGB-R01D/(1MS-33)/MCB 208V MCC 1XGB BKR R01D (1MS-33)	OEE-145-46 Rev 2	GENERAL-ELECTRIC TEF6 (65/165 A) 1XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSV A0035			
FWPT ISOLATION			
1XA-R06A/(1MS-35)/MS 208V MCC 1XA-R06A STARTER (1MS-35)	OEE-145-42 Rev 4	CLARK BUL 6240 SIZE 1 1XA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XA-R06A/(1MS-35)/MCB 208V MCC 1XA BKR R06A (1MS-35)	OEE-145-42 Rev 4	GENERAL-ELECTRIC TEC (42/198 A) 1XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSV A0036			
FWPT ISOLATION			
1XA-R06B/(1MS-36)/MS 208V MCC 1XA-R06B STARTER (1MS-36)	OEE-145-42 Rev 4	CLARK BUL 6240 SIZE 1 1XA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XA-R06B/(1MS-36)/MCB 208V MCC 1XA BKR R06B (1MS-36)	OEE-145-42 Rev 4	GENERAL-ELECTRIC TEC (42/198 A) 1XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSV A0047			
MS TO CSAE			
1XC-R04F/(1MS-47)/MS 208V MCC 1XC-R04F STARTER (1MS-47)	OEE-145-50 Rev 2	CLARK BUL 6030 CY-1 (H1) 1XC	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XC-R04F/(1MS-47)/MCB 208V MCC 1XC BKR R04F (1MS-47)	OEE-145-50 Rev 2	GENERAL-ELECTRIC TEF6 (15/35 A) 1XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **UI Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

1MSVA0076
 MS RH ISOLATION

1XA-R06C/(1MS-76)/MS 208V MCC 1XA-R06C STARTER (1MS-76)	OEE-145-47 Rev 5	CLARK BUL 6240 SIZE 1 1XA	EVAL (MCC QUAL) TB 796
--	------------------	---------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XA-R06C/(1MS-76)/MCB 208V MCC 1XA BKR R06C (1MS-76)	OEE-145-47 Rev 5	GENERAL-ELECTRIC TEC (42/198 A) 1XA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

1MSVA0077
 MS TO 2ND STAGE RHTR ISOL

1HDPS0377 1ST STAGE RH PRESS SWITCH	OEE-154-05 Rev 9	ASHCROFT B424VXNF06-30INC 1HDPS0377	CA TB 822
--	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1MSPS0276 2ND STAGE RH STEAM PRESS SWITCH (1MS-77)	OEE-154-05 Rev 9	UNITED ELECTRIC VE-J6-148 1MC-F15	CA TB 796
---	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1MSPS0293 2ND STAGE RH STEAM PRESS SWITCH (1MS-77)	OEE-154-05 Rev 9	UNITED ELECTRIC VE-J6-148 1MC-F15	CA TB 796
---	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1PS276X 2ND STAGE RH STEAM PRESS AUX RLY	OEE-154-05 Rev 9	STRUTHERS-DUNN 219ABAP 1HBP	CA TB 822
---	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1PS293X 2ND STAGE RH STEAM PRESS AUX RLY	OEE-154-05 Rev 9	STRUTHERS-DUNN 219ABAP 1HBP	CA TB 822
---	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

1PS377X2 1ST STAGE RH PRESS AUX RLY	OEE-154-05 Rev 9	CUTLER-HAMMER D23MR44A 1HBP	CA TB 822
--	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XA-A-F02A/(1MS-77)/MS 208V MCC 1XA-A-F02A STARTER (1MS-77) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-154-05 Rev 9	CLARK BUL 6030 CY-1 (H1) 1XA-A	EVAL (MCC QUAL) TB 796
1XA-A-F02A/(1MS-77)/MCB 208V MCC 1XA-A BKR F02A (1MS-77) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-154-05 Rev 9	GENERAL-ELECTRIC TEF6 (65/165 A) 1XA-A	NV TB 796
IMSV A0078 MS TO 2ND STAGE RHTR ISOL			
1XA-A-F02B/(1MS-78)/MS 208V MCC 1XA-A-F02B STARTER (1MS-78) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-154-21 Rev 6	CLARK BUL 6030 CY-1 (H1) 1XA-A	EVAL (MCC QUAL) TB 796
1XA-A-F02B/(1MS-78)/MCB 208V MCC 1XA-A BKR F02B (1MS-78) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-154-21 Rev 6	GENERAL-ELECTRIC TEF6 (65/165 A) 1XA-A	NV TB 796
IMSV A0079 MS RH ISOLATION			
1XA-R06D/(1MS-79)/MS 208V MCC 1XA-R06D STARTER (1MS-79) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-145-47 Rev 5	CLARK BUL 6240 SIZE 1 1XA	EVAL (MCC QUAL) TB 796
1XA-R06D/(1MS-79)/MCB 208V MCC 1XA BKR R06D (1MS-79) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-145-47 Rev 5	GENERAL-ELECTRIC TEC (42/198 A) 1XA	NV TB 796
IMSV A0080 MS TO 2ND STAGE RHTR ISOL			
1XA-A-F02D/(1MS-80)/MS 208V MCC 1XA-A-F02D STARTER (1MS-80) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-154-13 Rev 7	CLARK BUL 6030 CY-1 (H1) 1XA-A	EVAL (MCC QUAL) TB 796

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1XA-A-F02D/(1MS-80)/MCB 208V MCC 1XA-A BKR F02D (1MS-80)	OEE-154-13 Rev 7	GENERAL-ELECTRIC TEF6 (65/165 A) 1XA-A	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSV A0081			
MS TO 2ND STAGE RHTR ISOL			
1XA-A-F02C/(1MS-81)/MS 208V MCC 1XA-A-F02C STARTER (1MS-81)	OEE-154-29 Rev 6	CLARK BUL 6030 CY-1 (H1) 1XA-A	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XA-A-F02C/(1MS-81)/MCB 208V MCC 1XA-A BKR F02C (1MS-81)	OEE-154-29 Rev 6	GENERAL-ELECTRIC TEF6 (65/165 A) 1XA-A	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSV A0102			
TURBINE STOP VALVE			
1KX-01/MCB(1MS-102) 120V PPB 1KX BKR 01 (1MS-102)	OEE-121-23 Rev 6	ITE CC (20 A) 1KX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSV A0103			
TURBINE STOP VALVE			
1KX-01/MCB(1MS-103) 120V PPB 1KX BKR 01 (1MS-103)	OEE-121-22 Rev 8	ITE CC (20 A) 1KX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMSV A0104			
TURBINE STOP VALVE			
1KX-01/MCB(1MS-104) 120V PPB 1KX BKR 01 (1MS-104)	OEE-121-21 Rev 5	ITE CC (20 A) 1KX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

IMSVA0105
 TURBINE STOP VALVE

1KX-01/MCB(IMS-105) 120V PPB 1KX BKR 01 (IMS-105)	OEE-121-20 Rev 5	ITE CC (20 A) 1KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSVA0106
 MAIN STEAM CONTROL VALVE

1KX-01/MCB(IMS-106) 120V PPB 1KX BKR 01 (IMS-106)	OEE-121-25 Rev 2	ITE CC (20 A) 1KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSVA0107
 MAIN STEAM CONTROL VALVE

1KX-01/MCB(IMS-107) 120V PPB 1KX BKR 01 (IMS-107)	OEE-121-24 Rev 4	ITE CC (20 A) 1KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSVA0108
 MAIN STEAM CONTROL VALVE

1KX-01/MCB(IMS-108) 120V PPB 1KX BKR 01 (IMS-108)	OEE-121-27 Rev 5	ITE CC (20 A) 1KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSVA0109
 MAIN STEAM CONTROL VALVE

1KX-01/MCB(IMS-109) 120V PPB 1KX BKR 01 (IMS-109)	OEE-121-26 Rev 5	ITE CC (20 A) 1KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

IMSV A0126

MS TO AS CONTROL VALVE

1ASEP1001 VALVE POSITIONER FOR MS-126	OEE-145-85 Rev A	FISHER CONTROLS 546 IMSV A0126	NV TB 807
--	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1ASPT0117P AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	OEE-145-85 Rev A	ROSEMOUNT 1151GP8E22B2 1ASPT0117P	NV TB 796'+6"
---	------------------	---	---------------------

NV - Not Vulnerable To Contact Chatter.

1ASSS0017 VALVE CONTROLLER FOR MS-126 AND MS-129	OEE-145-84 Rev A	MOORE PRODUCTS 352EA21VNF IAB1	NV AB 822
---	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1KVID-10/MCB 120V PPB 1KVID BKR 10 (MS-126 & MS-129)	OEE-145-84 Rev A	ITE QP1 (20 A) 1KVID	NV AB 809
---	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IMSV A0129

MS TO AS CONTROL VALVE

1ASEP1000 VALVE POSITIONER FOR MS-129	OEE-145-85 Rev A	FISHER CONTROLS 546 IMSV A0129	NV TB 808
--	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BOT/U1 BACKUP OVERSPEED TRIP SWITCH (VCS840)	OEE-121-01 Rev 4	GENERAL-ELECTRIC 994D129G2 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
VCS815/U1 VOLTAGE COMPARATOR SPEED SWITCH	OEE-121-01 Rev 4	GENERAL-ELECTRIC 994D129G2 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KM405/U1 SPEED FEEDBACK TRIP AUX RELAY	OEE-121-01 Rev 4	NOT FOUND NOT FOUND 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KM406/U1 SPEED FEEDBACK TRIP AUX RELAY	OEE-121-01 Rev 4	NOT FOUND NOT FOUND 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT401/U1 BACKUP OVERSPEED TRIP TIME DELAY TEST RELAY	OEE-121-01 Rev 4	CLARE HGSM5001 1EHCVTP	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT702/U1 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-121-01 Rev 4	CLARE HGSM5001 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT215/U1 VACUUM TRIP RESET RELAY	OEE-121-02 Rev 4	CLARE HGSM5001 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
RTC-B/U1 REACTOR TRIP CONFIRMED AUX RELAY	OEE-121-02 Rev 4	CUTLER-HAMMER D23MRD074T1-24V 1CRDACBKRCAB	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
XKT-801/U1 EHC SYSTEM MASTER TRIP RELAY	OEE-121-03 Rev 4	GENERAL-ELECTRIC CR120 1EHC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Fail Trip The Turbine Required For 30 Second Main Steam Valves.</i>			
XKT-802/U1 EHC SYSTEM MECHANICAL TRIP RELAY	OEE-121-03 Rev 4	GENERAL-ELECTRIC CR120 1EHC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Fail Trip The Turbine Required For 30 Second Main Steam Valves.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Turbine**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
XKT-804/U1 EHC SYSTEM TRIP SEAL-IN RELAY	OEE-121-03 Rev 4	GENERAL-ELECTRIC CR120 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
1PS157AB LOW HYDRAULIC PRESSURE SWITCH	OEE-121-05 Rev 10	BARKSDALE B2T-A32SS 1EHCPP	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
1PS433 HYDRAULIC PRESSURE SWITCH	OEE-121-05 Rev 10	CUSTOM CONTROL 646GZE M7-7011 1TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
1PS434 HYDRAULIC PRESSURE SWITCH	OEE-121-05 Rev 10	CUSTOM CONTROL 646GZE M7-7011 1TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
1TOPS0183(PS16-A) FWPT 1A BEARING OIL PRESS LOW	OEE-146-02 Rev 6	SQUARE D 9013-GHG-2 1A TBOX EH	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
1TOPS0199(PS16-A) FWPT 1B BEARING OIL PRESS LOW	OEE-146-03 Rev 5	SQUARE D 9013-GHG-2 1A TBOX EH	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
62-C1/U1 LOSS OF STATOR COOLANT SWITCH	OEE-121-05 Rev 10	AGASTAT 2412PF 1SCWP	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
62-C3/U1 LOSS OF STATOR COOLANT SWITCH	OEE-121-05 Rev 10	AGASTAT 2412PE 1SCWP	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS104A/U1(1PS160-61-A) VACUUM SWITCH FOR CONDENSER "A"	OEE-121-05 Rev 10	BARKSDALE D2H-M18 1CCD000A	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS104B/U1(1PS160-61-B) VACUUM SWITCH FOR CONDENSER "A"	OEE-121-05 Rev 10	BARKSDALE D2H-M18 1CCD000A	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Turbine**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

PS105A/U1(1PS162-63-A) VACUUM SWITCH FOR CONDENSER "B"	OEE-121-05 Rev 10	BARKSDALE D2H-M18 1CCD000B	CA TB 775
---	-------------------	----------------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

PS105B/U1(1PS162-63-B) VACUUM SWITCH FOR CONDENSER "B"	OEE-121-05 Rev 10	BARKSDALE D2H-M18 1CCD000B	CA TB 775
---	-------------------	----------------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

PS106A/U1(1PS164-65-A) VACUUM SWITCH FOR CONDENSER "C"	OEE-121-05 Rev 10	BARKSDALE D2H-M18 1CCD000C	CA TB 775
---	-------------------	----------------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

PS106B/U1(1PS164-65-B) VACUUM SWITCH FOR CONDENSER "C"	OEE-121-05 Rev 10	BARKSDALE D2H-M18 1CCD000C	CA TB 775
---	-------------------	----------------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

PS109/U1 SHAFT PUMP DISCHARGE PRESSURE SWITCH	OEE-121-05 Rev 10	PENN P72CA-8 TURBINE OIL TANK	CA TB
--	-------------------	-------------------------------------	----------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

1FDWLT008A LOOP 2A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 201-H-79 Rev DJ	ROSEMOUNT 1151DP 1FDWLT008A	NV RB
--	--------------------	-----------------------------------	----------

NV - Not Vulnerable To Contact Chatter.

1FDWLT010A LOOP 2B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 201-H-79 Rev DJ	ROSEMOUNT 1151DP 1FDWLT010A	NV RB
--	--------------------	-----------------------------------	----------

NV - Not Vulnerable To Contact Chatter.

1FDWLT051A LOOP 3A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 201-H-79 Rev DJ	ROSEMOUNT 1151DP 1FDWLT051A	NV RB
--	--------------------	-----------------------------------	----------

NV - Not Vulnerable To Contact Chatter.

1FDWLT052A LOOP 3B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 201-H-79 Rev DJ	ROSEMOUNT 1151DP 1FDWLT052A	NV RB
--	--------------------	-----------------------------------	----------

NV - Not Vulnerable To Contact Chatter.

1SGLCX OTSG HI-HI LEVEL AUX RELAY	OEE-121-05 Rev 10	STRUTHERS-DUNN 219BBXP 1EHTC1	CA AB 809
--------------------------------------	-------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 CONONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Turbine**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2A/U1 LOOP 2A SIGNAL MONITOR CARD (SS11A-LS3)	OM 201-H-79 Rev DJ	SAIC RP 2049-2 IICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2B/U1 LOOP 2B SIGNAL MONITOR CARD (SS11B-LS3)	OM 201-H-79 Rev DJ	SAIC RP 2049-2 IICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3A/U1 LOOP 3A SIGNAL MONITOR CARD (SS11A-LS4)	OM 201-H-79 Rev DJ	SAIC RP 2049-2 IICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3B/U1 LOOP 3B SIGNAL MONITOR CARD (SS11B-LS4)	OM 201-H-79 Rev DJ	SAIC RP 2049-2 IICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT107/U1 LOW HYDRAULIC PRESSURE RELAY	OEE-121-05 Rev 10	CLARE HGSM5001 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT114/U1 SHAFT PUMP DISCHARGE LOW PRESSURE TRIP RELAY	OEE-121-05 Rev 10	CLARE HGSM5001 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT201/U1 VACUUM TRIP RELAY	OEE-121-05 Rev 10	CLARE HGSM5001 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT303/U1 LOSS OF STATOR COOLANT TRIP RELAY	OEE-121-05 Rev 10	CLARE HGSM5001 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT805/U1 GEN LOCK-OUT/LOSS OF BOTH FWP/HI-HI OTSG LEVEL RELAY	OEE-121-05 Rev 10	CLARE HGSM5001 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
RE7/U1 FWPT 1A TRIP AUX RELAY	OEE-146-02 Rev 6	STRUTHERS-DUNN 219DXBP 1VB3	CA AB 822
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Turbine**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RE8/U1 FWPT 1B TRIP AUX RELAY	OEE-146-03 Rev 5	STRUTHERS-DUNN 219DXBP 1VB3	CA AB 822
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
UVRA/U1 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-121-05 Rev 10	AGASTAT 7024 PB 1EHC1	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
1DIA-07/MCB 125V PPB 1DIA BKR 07 (TURB CTRLS AUX TRIP CKT)	OEE-121-05 Rev 10	ITE EH2 (20 A) 1DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1PS155-1B/PS100-A PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	OEE-121-06 Rev 5	GENERAL-ELECTRIC CR-127 408AM 1TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
1PS156-1B/PS100-B PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	OEE-121-06 Rev 5	GENERAL-ELECTRIC CR-127 408AM 1TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
EHT-2/U1 EXHAUST HOOD TEMPERATURE SWITCH	OEE-121-06 Rev 5	BURLING VD-2S 1TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
EHT-4/U1 EXHAUST HOOD TEMPERATURE SWITCH	OEE-121-06 Rev 5	BURLING VD-2S 1TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
EHT-6/U1 EXHAUST HOOD TEMPERATURE SWITCH	OEE-121-06 Rev 5	BURLING VD-2S 1TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
MS-HLT-1/U1 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-121-06 Rev 5	MAGNETROL 402 1TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
MS-HLT-2/U1 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-121-06 Rev 5	MAGNETROL 402 1TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
MS-HLT-3/U1 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-06 Rev 5	MAGNETROL 402 1TG	CA TB 796
MS-HLT-4/U1 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-06 Rev 5	MAGNETROL 402 1TG	CA TB 796
KT106/U1 EMERGENCY TRIP SYSTEM RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-06 Rev 5	CLARE HGSM5001 1EHC1	CA AB 809
KT301/U1 EXHAUST HOOD TEMPERATURE TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-06 Rev 5	CLARE HGSM5001 1EHC1	CA AB 809
KT601/U1 MOISTURE SEPARATOR HIGH LEVEL TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-06 Rev 5	CLARE HGSM5001 1EHC1	CA AB 809
UVRB/U1 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS <i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-06 Rev 5	AGASTAT 7024 PB 1EHC1	CA AB 809
PS11/U1(1PS135) PRESSURE SWITCH FOR THRUST BEARING WEAR DETECTOR <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-07 Rev 3	GENERAL-ELECTRIC 127B5 1TG	CA TB 822
PS12/U1(1PS136) PRESSURE SWITCH FOR THRUST BEARING WEAR DETECTOR <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-07 Rev 3	GENERAL-ELECTRIC 127B5 1TG	CA TB 822
TWS11/U1 THRUST BEARING WEAR DETECTOR SWITCH TURBINE END <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-07 Rev 3	GENERAL-ELECTRIC 125C6475 1TG	CA TB 822
TWS12/U1 THRUST BEARING WEAR DETECTOR SWITCH GENERATOR END <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-121-07 Rev 3	GENERAL-ELECTRIC 125C6475 1TG	CA TB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Turbine**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
K1/U1(TWE) THRUST BEARING WEAR DETECTOR TEST TIMER	OEE-121-07 Rev 3	AGASTAT 2422PC 1TWE	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS11X/U1 THRUST BEARING WEAR DETECTOR RELAY	OEE-121-07 Rev 3	CUTLER-HAMMER D26MB 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS12X/U1 THRUST BEARING WEAR DETECTOR RELAY	OEE-121-07 Rev 3	CUTLER-HAMMER D26MB 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS11X/U1 THRUST BEARING WEAR DETECTOR AUX RELAY	OEE-121-07 Rev 3	CUTLER-HAMMER TYPE M 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS12X/U1 THRUST BEARING WEAR DETECTOR AUX RELAY	OEE-121-07 Rev 3	CUTLER-HAMMER TYPE M 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
UVRC/U1 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-121-07 Rev 3	AGASTAT 7024 PB 1EHC1	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Main Turbine**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

IVVA0186

COND VACUUM BREAKER

1XA-R03A/(1V-186)/MS 208V MCC 1XA-R03A STARTER (1V-186)	OEE-121-10 Rev 3	CLARK BUL 6240 SIZE 1 1XA	EVAL (MCC QUAL) TB 796
--	------------------	---------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XA-R03A/(1V-186)/MCB 208V MCC 1XA BKR R03A (1V-186)	OEE-121-10 Rev 3	GENERAL-ELECTRIC TEC (18/90 A) 1XA	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

ISSHVA0001

STEAM SEAL HEADER ISOLATION

1XA-R02A/(ISSH-01)/MS 208V MCC 1XA-R02A STARTER (ISSH-01)	OEE-121-11 Rev 5	CLARK BUL 6240 CY-1 1XA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XA-R02A/(ISSH-01)/MCB 208V MCC 1XA BKR R02A (ISSH-01)	OEE-121-11 Rev 5	GENERAL-ELECTRIC TEC (42/198 A) 1XA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

ISSHVA0003

STEAM SEAL HEADER ISOLATION

1XA-R02B/(ISSH-03)/MS 208V MCC 1XA-R02B STARTER (ISSH-03)	OEE-121-12 Rev 6	CLARK BUL 6240 CY-1 1XA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XA-R02B/(ISSH-03)/MCB 208V MCC 1XA BKR R02B (ISSH-03)	OEE-121-12 Rev 6	GENERAL-ELECTRIC TEC (42/198 A) 1XA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Nuclear Instrumentation**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI1-NI/U1 SOURCE RANGE CHANNEL NI-1 INDICATOR	OM 201-K Series Rev N/A	DIXSON SG202AXYX 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-1/PREAMP/U1 NI PREAMPLIFIER NI-1	OM 201-K Series Rev N/A	GAMMA-METRICS 900218 INI	NV AB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-1/SENS/U1 NI CHANNEL SENSOR NI-1	OM 201-K Series Rev N/A	GAMMA-METRICS 900217-101 INI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI1-IEA/U1 NI-1 ISOLATION EXPANSION ASSEMBLY	OM 201-K Series Rev N/A	GAMMA-METRICS 900220-101 IRPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI1-WRMA/U1 NI-1 WIDE RANGE MONITOR ASSEMBLY	OM 201-K Series Rev N/A	GAMMA-METRICS 900219-101 IRPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIA-16/MCB 120V PPB 1KVIA BKR 16 (NI-1 EXCORE PWR)	O-705 Rev 59	ITE QP1 (20 A) 1KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI2-NI/U1 SOURCE RANGE CHANNEL NI-2 INDICATOR	OM 201-K Series Rev N/A	DIXSON SG202AXYX-4/20MADC 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-2/PREAMP/U1 NI PREAMPLIFIER NI-2	OM 201-K Series Rev N/A	GAMMA-METRICS 900218 INI	NV AB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-2/SENS/U1 NI CHANNEL SENSOR NI-2	OM 201-K Series Rev N/A	GAMMA-METRICS 900217-101 INI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI2-IEA/U1 NI-2 ISOLATION EXPANSION ASSEMBLY	OM 201-K Series Rev N/A	GAMMA-METRICS 900220-101 IRPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Nuclear Instrumentation**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI2-WRMA/U1 NI-2 WIDE RANGE MONITOR ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900219-101 1RPS	NV AB 822
1KVIB-16/MCB 120V PPB 1KVIB BKR 16 (NI-3 EXCORE PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	ITE QP1 (20 A) 1KVIB	NV AB 809
NI3-NI/U1 SOURCE RANGE NI-3 INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	DIXSON SG202AXYX 1UB1	NV AB 822
NI-3/PREAMP/U1 NI PREAMPLIFIER NI-3 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900218 1NI	NV AB
NI-3/SENS/U1 NI CHANNEL SENSOR NI-3 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900217-101 1NI	NV AB
NI3-IEA/U1 NI-3 ISOLATION EXPANSION ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900220-101 1RPS	NV AB 822
NI3-WRMA/U1 NI-3 WIDE RANGE MONITOR ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900219-101 1RPS	NV AB 822
1KVIC-16/MCB 120V PPB 1KVIC BKR 16 (NI-2 EXCORE PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	ITE QP1 (20 A) 1KVIC	NV AB 809
NI4-NI/U1 SOURCE RANGE NI-4 INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	DIXSON SG202AXYX-4/20MADC 1UB1	NV AB 822
NI-4/PREAMP/U1 NI PREAMPLIFIER NI-4 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900218 1NI	NV AB

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI-4/SENS/U1 NI CHANNEL SENSOR NI-4 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900217-101 INI	NV RB
NI4-IEA/U1 NI-4 ISOLATION EXPANSION ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900220-101 1RPS	NV AB 822
NI4-WRMA/U1 NI-4 WIDE RANGE MONITOR ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	GAMMA-METRICS 900219-101 1RPS	NV AB 822
1KVID-16/MCB 120V PPB 1KVID BKR 16 (NI-4 EXCORE PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	ITE QP1 (20 A) 1KVID	NV AB 809
NI5-NI/U1 NI-5 PWR RANGE INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	DIXSON SH202AXTX 1UB2	NV AB 822
NI-5/SENS/U1 NI CHANNEL SENSOR NI-5 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	WESTINGHOUSE WL23636 INI	NV RB
NI5-LA/LOWER/U1 NI-5 LINEAR AMPLIFIER LOWER ION CHAMBER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
NI5-LA/UPPER/U1 NI-5 LINEAR AMPLIFIER UPPER ION CHAMBER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
NI5-PRTC/U1 NI-5 PWR RANGE TEST CIRCUIT <i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625215 1RPS	CA AB 822
NI5-SA/U1 NI-5 SUMMING AMPLIFIER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625202 1RPS	NV AB 822

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI5-DETPS/U1 NI-5 DETECTOR PWR SUPP	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621600 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIA-01/MCB 120V PPB 1KVIA BKR 01 (NI/RPS CH A PWR)	O-705 Rev 59	ITE QP1 (20 A) 1KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-NI/U1 NI-6 PWR RANGE INDICATOR	OM 201-K Series Rev N/A	DIXSON SH202AXTX IUB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-6/SENS/U1 NI CHANNEL SENSOR NI-6	OM 201-K Series Rev N/A	WESTINGHOUSE WL23636 INI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-LA/LOWER/U1 NI-6 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-LA/UPPER/U1 NI-6 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-PRTC/U1 NI-6 PWR RANGE TEST CIRCUIT	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625215 1RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI6-SA/U1 NI-6 SUMMING AMPLIFIER	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625202 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-DETPS/U1 NI-6 DETECTOR PWR SUPP	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621600 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIB-01/MCB 120V PPB 1KVIB BKR 01 (NI/RPS CH B PWR)	O-705 Rev 59	ITE QP1 (20 A) 1KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Nuclear Instrumentation**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI7-NI/U1 NI-7 PWR RANGE INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	DIXSON SH202AXTX 1UB2	NV AB 822
NI-7/SENS/U1 NI CHANNEL SENSOR NI-7 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	WESTINGHOUSE WL23636 INI	NV RB
NI7-LA/LOWER/U1 NI-7 LINEAR AMPLIFIER LOWER ION CHAMBER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
NI7-LA/UPPER/U1 NI-7 LINEAR AMPLIFIER UPPER ION CHAMBER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
NI7-PRTC/U1 NI-7 PWR RANGE TEST CIRCUIT <i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625215 1RPS	CA AB 822
NI7-SA/U1 NI-7 SUMMING AMPLIFIER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625202 1RPS	NV AB 822
NI7-DETPS/U1 NI-7 DETECTOR PWR SUPP <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621600 1RPS	NV AB 822
1KVIC-01/MCB 120V PPB 1KVIC BKR 01 (NI/RPS CH C PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-705 Rev 59	ITE QP1 (30 A) 1KVIC	NV AB 809
NI8-NI/U1 NI-8 PWR RANGE INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	DIXSON SH202AXTX 1UB2	NV AB 822
NI-8/SENS/U1 NI CHANNEL SENSOR NI-8 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201-K Series Rev N/A	WESTINGHOUSE WL23636 INI	NV RB

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Nuclear Instrumentation**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI8-LA/LOWER/U1 NI-8 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-LA/UPPER/U1 NI-8 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621720 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-PRTC/U1 NI-8 PWR RANGE TEST CIRCUIT	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625215 1RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI8-SA/U1 NI-8 SUMMING AMPLIFIER	OM 201-K Series Rev N/A	BAILEY CONTROLS 6625202 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-DETPS/U1 NI-8 DETECTOR PWR SUPP	OM 201-K Series Rev N/A	BAILEY CONTROLS 6621600 1RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVID-01/MCB 120V PPB 1KVID BKR 01 (NI/RPS CH D PWR)	O-705 Rev 59	ITE QP1 (20 A) 1KVID	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Operation Control Transfer To SSF

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
HB SSF XFER RLY (1RC-4)	OEE-163-16 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
JA SSF XFER RLY (PZR HTRS)	OEE-163-16 Rev 2	CUTLER-HAMMER D26MR80A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
SA SSF XFER RLY (1HP-20)	OEE-163-16 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
TA SSF XFER RLY (1HP-3)	OEE-163-16 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
TB SSF XFER RLY (1HP-4)	OEE-163-16 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
VD SSF XFER RLY (1RC-5)	OEE-163-16-B Rev 0	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
VE SSF XFER RLY (1RC-6)	OEE-163-16-B Rev 0	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
KSFC-03/MCB/U1 120V PPB KSFC BKR 03 (SSF XFER U1 CONT PWR)	OEE-163-16 Rev 2	GENERAL-ELECTRIC TED (20 A) KSFC	NV SSF 777

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Penetration Rm Ventilation

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

IPRVA0007

RB HYDROGEN PURGE INLET

1CR-11(1PR-7)(PR-V7)(IES-1) 1PR-7 ESFAS INTERFACE RLY	OEE-158-07 Rev 10	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
--	-------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1RX-08(1PR-7)(PR-V7)(IES-1) 1PR-7 CONTROL RLY	OEE-158-07 Rev 10	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
--	-------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1RX-09(1PR-7)(PR-V7)(IES-1) 1PR-7 CONTROL RLY	OEE-158-07 Rev 10	CUTLER-HAMMER D23MR40A 1ESTC1	GERS-RLY-AI2.4 AB 809
--	-------------------	-------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

RO(1PR-7)(PR-V7)(IES-1) RO RLY (1PR-7)	OEE-158-07 Rev 10	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
---	-------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1XS1-R05A/(1PR-7)/MS 208V MCC 1XS1-R05A STARTER (1PR-7)	OEE-158-07 Rev 10	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
--	-------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1XS1-R05A/(1PR-7)/MCB 208V MCC 1XS1 BKR R05A (1PR-7)	OEE-158-07 Rev 10	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
---	-------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

IPRVA0008

RB HYDROGEN PURGE INLET

1CR-12(1PR-8)(PR-V8)(IES-2) 1PR-8 ESFAS INTERFACE RLY	OEE-158-08 Rev 10	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
--	-------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

1RX-10(1PR-8)(PR-V8)(IES-2) 1PR-8 CONTROL RLY	OEE-158-08 Rev 10	CUTLER-HAMMER D23MRD40A 1ESTC2	GERS-RLY-AI2.4 AB 809
--	-------------------	--------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Penetration Rm Ventilation

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(1PR-8)(PR-V8)(1ES-2) RO RLY (1PR-8)	OEE-158-08 Rev 10	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1DIB-25/(1PR-8)/MCB 125V PPB 1DIB BKR 25 (1PR-8)	OEE-158-09 Rev 9	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IPRVA0009 RB HYDROGEN PURGE OUTLET			
1CR-13(1PR-9)(PR-V9)(1ES-1) 1PR-9 ESFAS INTERFACE RLY	OEE-158-10 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-11(1PR-9)(PR-V9)(1ES-1) 1PR-9 CONTROL RLY	OEE-158-10 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
1RX-12(1PR-9)(PR-V9)(1ES-1) 1PR-9 CONTROL RLY	OEE-158-10 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1PR-9)(PR-V9)(1ES-1) RO RLY (1PR-9)	OEE-158-10 Rev 9	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS1-R05B/(1PR-9)/MS 208V MCC 1XS1-R05B STARTER (1PR-9)	OEE-158-10 Rev 9	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R05B/(1PR-9)/MCB 208V MCC 1XS1 BKR R05B (1PR-9)	OEE-158-10 Rev 9	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IPRVA0010 RB HYDROGEN PURGE OUTLET			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **UI Penetration Rm Ventilation**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1CR-14(1PR-10)(PR-V10)(1ES-2) 1PR-10 ESFAS INTERFACE RLY	OEE-158-09 Rev 9	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-13(1PR-10)(PR-V10)(1ES-2) 1PR-10 CONTROL RLY	OEE-158-09 Rev 9	CUTLER-HAMMER D23MRD40A 1ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(1PR-10)(PR-V10)(1ES-2) RO RLY (1PR-10)	OEE-158-09 Rev 9	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1DIB-25/(1PR-10)/MCB 125V PPB 1DIB BKR 25 (1PR-10)	OEE-158-08 Rev 10	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IPRVA0059			
RB HYDROGEN PURGE INLET			
1XL-0AB/(RSC-1PR-59)/MS 600V MCC 1XL-0AB REMOTE STARTER (1PR-59)	OEE-158-18 Rev 1	GTE-SYLVANIA BUL 6040 TM 1RSC-1PR-59/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XL-0AB/(PRREMOTESTARTERS)/MCB 600V MCC 1XL BKR 0AB (1PR-59)	OEE-158-18 Rev 1	GENERAL-ELECTRIC THED (30 A) 1XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IPRVA0060			
RB HYDROGEN PURGE OUTLET			
1XI-01BT/(RSC-1PR-60)/MS 600V MCC 1XI-01BT REMOTE STARTER (1PR-60)	OEE-158-19 Rev 1	GTE-SYLVANIA BUL 6040 TM 1RSC-1PR-60/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XI-01BT/(PRREMOTESTARTERS)/MCB 600V MCC 1XI BKR 01BT (1PR -60)	OEE-158-19 Rev 1	GENERAL-ELECTRIC THED (30 A) 1XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Post Accident Monitoring

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IPAMP0304 RB Containment Water Level Train A Indication <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	WESTINGHOUSE VX-252 1UB1	NV AB 822
IPAMLT0090 RB Containment Water Level Train A <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	DELAVAL GEMS-TL1 1PAMLT0090	NV RB 777'+6"
IPAMLT0090/RCVR RB Containment Water Level Train A Receiver <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	DELAVAL GEMS-TL1 1UB1	NV AB 822
1SKJ-12/MCB(1PAMP0304) 120V PPB 1SKJ BKR 12 (1PAMP0304) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	SQUARE-D QOB (20 A) 1SKJ	NV AB 809
IPAMP0305 RB Containment Water Level Train B Indication <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	WESTINGHOUSE VX-252 1UB1	NV AB 822
IPAMLT0091 RB Containment Water Level Train B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	DELAVAL GEMS-TL1 1PAMLT0091	NV RB 777'+6"
IPAMLT0091/RCVR RB Containment Water Level Train B Receiver <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	DELAVAL GEMS-TL1 1UB1	NV AB 822
1SKK-10/MCB(1PAMP0305) 120V PPB 1SKK BKR 10 (1PAMP0305) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-158-21 Rev 2	SQUARE-D QOB (20 A) 1SKK	NV AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 251 of 280

SYSTEM: U1 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group B

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1RC3/PS5 RC PRESS INTERLOCK FROM ICS	OEE-149-08-A Rev 2	BAILEY CONTROLS 6613303-1 IICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RK-2/U1 PZR HTR CURRENT ALARM MODULE	OEE-149-08 Rev 17	ROCHESTER INSTRUMENTS ET-1215-T2-HI-T4-P1 IC1/IC2/MEC	CA SSF 797
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
159G PZR HTR GROUND RLY (PZR HTR BANK 2 GROUP B)	OEE-149-08 Rev 17	WESTINGHOUSE CV-8 (183A205A15) PHC/SSF	CNA SSF 777
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block Operation Of The Pressurizer Heaters.</i>			
183/BHA-2/U1 ICS AUTO SELECT RLY	OM 201-H-74 Rev DF	BAILEY CONTROLS 6614306-1 IICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
183/BHO-2/U1 ICS ON SELECT RLY	OM 201-H-74 Rev DF	BAILEY CONTROLS 6614306-1 IICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
183/PLL/U1 PRESS LOW LEVEL RLY	OM 201-H-73 Rev DM	BAILEY CONTROLS 6614306-1 IICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1PHRX/RX-9 PZR HTR GROUND AUX RLY	OEE-149-08 Rev 17	CUTLER-HAMMER D23MR40A PHC/SSF	GERS-RLY-AI2.4 SSF 777
<i>GERS - Seismically Adequate Per GERS.</i>			
1RX-24/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B)	OEE-149-08-A Rev 2	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1RX-25/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B)	OEE-149-08 Rev 17	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1RX-26/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B)	OEE-149-08-A Rev 2	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group B

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TDR-9 PZR HTR CONTROL TIMER (PZR HTR BANK 2 GROUP B) <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-08-A Rev 2	CUTLER-HAMMER D23MR20A/D87ME30A2 PHC/SSF	CA SSF 777
1TDRX-9 PZR HTR CONTROL RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-08 Rev 17	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
27/HI-RC/PH/UI ICS UV RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 201-H-75 Rev DK	BAILEY CONTROLS 6614306-1 IICS	CA AB 822
CR42-9/U1 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-08-A Rev 2	CLARK BUL 7305, 5U2 PM 1XSF(600V)	CA SSF 817
1XSF-F03B(600V)/(M42-9)/MS 600V MCC 1XSF-F03B STARTER (PZR HTR BANK 2 GROUP B) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-08 Rev 17	GTE-SYLVANIA BUL 6220 1XSF(600V)	CA SSF 817
1XSF-F03B(600V)/(M42-9)/MCB 600V MCC 1XSF BKR F03B (PZR HTR BANK 2 GROUP B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-08 Rev 17	GENERAL-ELECTRIC TFJ (150 A) 1XSF(600V)	NV SSF 817
52/GRP1B PZR HTR GROUP 1B MAIN BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-08 Rev 17	GENERAL-ELECTRIC TFJ (225 A) 1B	NV RB 818
52/LB-07/U1 PZR HTR BKR BANK 2 GROUP 1B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-08 Rev 17	GENERAL-ELECTRIC THEF6 (70 A) 1B	NV RB 818
52/LB-08/U1 PZR HTR BKR BANK 2 GROUP 1B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-08 Rev 17	GENERAL-ELECTRIC THEF6 (70 A) 1B	NV RB 818
52/LB-09/U1 PZR HTR BKR BANK 2 GROUP 1B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-08 Rev 17	GENERAL-ELECTRIC THEF6 (70 A) 1B	NV RB 818

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 253 of 280

SYSTEM: U1 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group C

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TDR-8 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP C)	OEE-149-09-A Rev 6	CUTLER-HAMMER D23MR20A/D87ME30A2 1XI	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1TDRX-8 PZR HTR CONTROL RLY	OEE-149-09-A Rev 6	CUTLER-HAMMER D23MR22A 1XI	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
50G(1XI-2A) PZR HTR GROUND OC RLY (PZR HTR BANK 2 GROUP C)	OEE-149-09-A Rev 6	ITE GR-5 1XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
CR42-8/U1 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP C)	OEE-149-09-A Rev 6	CLARK KPM-1A 1XI	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PHRX/RX-8/U1 PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP C)	OEE-149-09-A Rev 6	CLARK X5U5-3 PM 1XI	EVAL (DPC-1393.00-00-0013) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XI-02A/(M42-8)/MS 600V MCC 1XI-02A STARTER (PZR HTR BANK 2 GROUP C)	OEE-149-09-A Rev 6	CLARK BUL 6220 1XI	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XI-02A/(M42-8)/MCB 600V MCC 1XI BKR 02A (PZR HTR BANK 2 GROUP C)	OEE-149-09-A Rev 6	GENERAL-ELECTRIC TFJ (200 A) 1XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/GRP1C PZR HTR GROUP 1C MAIN BKR	OEE-149-09-A Rev 6	GENERAL-ELECTRIC TFJ (225 A) 1C	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-03/U1 PZR HTR BKR BANK 2 GROUP 1C	OEE-149-09-A Rev 6	GENERAL-ELECTRIC THEF6 (70 A) 1C	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-04/U1 PZR HTR BKR BANK 2 GROUP 1C	OEE-149-09-A Rev 6	GENERAL-ELECTRIC THEF6 (70 A) 1C	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group C**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
52/LB-05/U1 PZR HTR BKR BANK 2 GROUP 1C <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-09-A Rev 6	GENERAL-ELECTRIC THEF6 (70 A) 1C	NV RB 818
52/LB-06/U1 PZR HTR BKR BANK 2 GROUP 1C <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-09-A Rev 6	GENERAL-ELECTRIC THEF6 (70 A) 1C	NV RB 818

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 255 of 280

SYSTEM: U1 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group D

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1TDR-7 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP D)	OEE-149-09 Rev 8	CUTLER-HAMMER D23MR20A/D87ME30A2 1XJ	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1TDRX-7 PZR HTR CONTROL RLY	OEE-149-09 Rev 8	CUTLER-HAMMER D23MR22A 1XJ	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50G(1XJ-2A) PZR HTR GROUND OC RLY (PZR HTR BANK 2 GROUP D)	OEE-149-09 Rev 8	ITE GR-5 1XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
CR42-7/U1 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP D)	OEE-149-09 Rev 8	CLARK KPM-1A 1XJ	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PHRX/RX-7/U1 PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP D)	OEE-149-09 Rev 8	CLARK X5U5-3 PM 1XJ	EVAL (DPC-1393.00-00-0013) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XJ-02A/(M42-7)/MS 600V MCC 1XJ-02A STARTER (PZR HTR BANK 2 GROUP D)	OEE-149-09 Rev 8	CLARK BUL 6220 1XJ	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XJ-02A/(M42-7)/MCB 600V MCC 1XJ BKR 02A (PZR HTR BANK 2 GROUP D)	OEE-149-09 Rev 8	GENERAL-ELECTRIC TFJ (200 A) 1XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/GRP1D PZR HTR GROUP 1D MAIN BKR	OEE-149-09 Rev 8	GENERAL-ELECTRIC TFJ (225 A) 1D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-01/U1 PZR HTR BKR BANK 2 GROUP 1D	OEE-149-09 Rev 8	GENERAL-ELECTRIC THEF6 (70 A) 1D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/MB-12/U1 PZR HTR BKR BANK 2 GROUP 1D	OEE-149-09 Rev 8	GENERAL-ELECTRIC THEF6 (70 A) 1D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group D

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
52/MB-13/U1 PZR HTR BKR BANK 2 GROUP 1D	OEE-149-09 Rev 8	GENERAL-ELECTRIC THEF6 (70 A) 1D	NV RB 818

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group K

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50G(1XK-1A) PZR HTR GROUND OC RLY (PZR HTR BANK 2 GROUP K) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-11 Rev 10	ITE GR-5 1XK	NV AB 809
CR42-10 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP K) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-11 Rev 10	CLARK BUL 7305, 5U4 PM 1XK	CA AB 809
LLCO ICS LOW LEVEL CUTOFF RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-11 Rev 10	POTTER-BRUMFIELD KRP14AN IICS	CA AB 822
PHRX/RX-10 PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP K) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-149-11 Rev 10	CLARK XSU5-3 PM 1XK	EVAL (DPC-1393.00-00-0013) AB 809
TDR-10 PZR HTR TIME DELAY RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-11 Rev 10	CUTLER-HAMMER D23MR20A/D87ME30A2 1XK	CA AB 809
TDRX-10 PZR HTR TIME DELAY AUX RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-11 Rev 10	CUTLER-HAMMER D23MR22A 1XK	CA AB 809
1XK-01A/(M42-10)/MS 600V MCC 1XK-01A STARTER (PZR HTR BANK 2 GROUP K) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-149-11 Rev 10	CLARK BUL 6220 SIZE 5 (F5) 1XK	CA AB 809
1XK-01A/(M42-10)/MCB 600V MCC 1XK BKR 01A (PZR HTR BANK 2 GROUP K) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-11 Rev 10	GENERAL-ELECTRIC TFJ (200 A) 1XK	NV AB 809
52/LB-11/U1 PZR HTR BKR BANK 2 GROUP 1K <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-149-11 Rev 10	GENERAL-ELECTRIC THED (70 A) 1K	NV RB 818

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IRBCAH0020A			
RBCU FAN 1A			
1X08-06C 600V LC 1X08 BKR 06C (RBCU 1A FAN)	OEE-138-18 Rev 14	ITE K600 (600A) 1X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1AHRX RBCU 1A HIGH SPEED TIME DELAY RLY	OEE-138-18 Rev 14	CUTLER-HAMMER D23MR80A/D26MF 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1ALRX RBCU 1A LOW SPEED CONTROL RLY	OEE-138-18 Rev 14	CUTLER-HAMMER D23MR80A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1CR-64(RBCU-1A)(RBCU-1A)(1ES-5) RBCU 1A ESFAS INTERFACE RLY	OEE-138-18 Rev 14	CUTLER-HAMMER D23MR40A 1ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
HI-TD/RBCU-1A RBCU 1A HIGH SPEED TIMER RLY	OEE-138-18 Rev 14	AGASTAT 7022 AB 1ESTC1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-1A RBCU 1A LOW SPEED TIMER RLY	OEE-138-18 Rev 14	AGASTAT 7022 AB 1ESTC1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
R1/U1 RBCU 1A CONTROL RLY	OEE-138-18 Rev 14	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-1A)(1ES-5) RO RLY (RBCU 1A)	OEE-138-18 Rev 14	BAILEY CONTRQLS 6623990 1ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
TR1/U1 RBCU 1A CONTROL RLY	OEE-138-18 Rev 14	CUTLER-HAMMER D23MR40A/D87ME30A2 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Building Cooling**

SUB SYSTEM: **Air Handling Units**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Model no Location	SAT* Building Floor Elev
1XS1-F01A/(RBCUFAN1A)/MS 600V MCC 1XS1-F01A STARTER (RBCU FAN 1A)	OEE-138-18 Rev 14	CLARK BUL 6013 TM (D5A) 1XS1	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS1-F01A/(RBCUFAN1A)/MCB 600V MCC 1XS1 BKR F01A (RBCU FAN 1A FED FROM LC 1X8-06C)	OEE-138-18 Rev 14	GENERAL-ELECTRIC TJJ (300 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RBCDA000A RBC DAMPER 1A	OEE-138-19 Rev 3	GAMEWELL MECH. M-503E 1RBCDA000A	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1XS1-R05D/(RBCUFAN1ADAMPER)/MS 208V MCC 1XS1-R05D STARTER (RBCU FAN 1A DAMPER)	OEE-138-19 Rev 3	CLARK BUL 6030 CY-1 (HI) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R05D/(RBCUFAN1ADAMPER)/MCB 208V MCC 1XS1 BKR R05D (RBCU FAN 1A DAMPER)	OEE-138-19 Rev 3	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RBCAH0020B RBCU FAN 1B			
1BHRX RBCU 1B HIGH SPEED TIME DELAY RLY	OEE-138-20 Rev 14	CUTLER-HAMMER D23MR80A/D26MF 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1BLRX RBCU 1B LOW SPEED CONTROL RLY	OEE-138-20 Rev 14	CUTLER-HAMMER D23MR80A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1CR-69(RBCU-1B)(1ES-5) RBCU 1B ESFAS INTERFACE RLY	OEE-138-20 Rev 14	CUTLER-HAMMER D23MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
1CR-70(RBCU-1B)(1ES-6) RBCU 1B ESFAS INTERFACE RLY	OEE-138-20 Rev 14	CUTLER-HAMMER D23MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
HI-TD/RBCU-1B RBCU 1B HIGH SPEED TIMER RLY	OEE-138-20 Rev 14	AGASTAT 7022 AB 1ESTC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-1B RBCU 1B LOW SPEED TIMER RLY	OEE-138-20 Rev 14	AGASTAT 7022 AB 1ESTC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
R3/U1 RBCU 1B CONTROL RLY	OEE-138-20 Rev 14	CUTLER-HAMMER D23MR40A 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-1B)(1ES-5) RO RLY (RBCU 1B)	OEE-138-20 Rev 14	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
RO(RBCU-1B)(1ES-6) RO RLY (RBCU 1B)	OEE-138-20 Rev 14	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
TR3/U1 RBCU 1B CONTROL RLY	OEE-138-20 Rev 14	CUTLER-HAMMER D23MR40A/D87ME30A2 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS3-01A/(RBCUFAN1B)/MS 600V MCC 1XS3-01A STARTER (RBCU FAN 1B)	OEE-138-20 Rev 14	CLARK BUL 6013 TM (D5A) 1XS3	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS3-01A/(RBCUFAN1B)/MCB 600V MCC 1XS3 BKR 01A (RBCU FAN 1B)	OEE-138-20 Rev 14	GENERAL-ELECTRIC TJJ (225 A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RBCDA000B RBC DAMPER 1B	OEE-138-21 Rev 6	GAMEWELL MECH. M-503E 1RBCDA000B	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1ABX RBCU 1A FAN RUN RLY	OEE-138-21 Rev 6	STRUTHERS-DUNN 219ABAP 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Building Cooling**

SUB SYSTEM: **Air Handling Units**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICBX RBCU 1C FAN RUN RLY	OEE-138-21 Rev 6	STRUTHERS-DUNN 219ABAP 1ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS3-05E/(RBCUFAN1BDAMPER)/MS 208V MCC 1XS3-05E STARTER (RBCU FAN 1B DAMPER)	OEE-138-21 Rev 6	CLARK BUL 6030 CY-1 (HI) 1XS3	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS3-05E/(RBCUFAN1BDAMPER)/MCB 208V MCC 1XS3 BKR 05E (RBCU FAN 1B DAMPER)	OEE-138-21 Rev 6	GENERAL-ELECTRIC THEF (15 A) 1XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RBCAH0020C			
RBCU FAN 1C			
1X09-06C 600V LC 1X09 BKR 06C (RBCU 1C FAN)	OEE-138-22 Rev 16	ITE K600 (600A) 1X09	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1CHRX RBCU 1C HIGH SPEED CONTROL RLY	OEE-138-22 Rev 16	CUTLER-HAMMER D23MR80A/D26MF 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1CLR X RBCU-1C LOW SPEED CONT RLY	OEE-138-22 Rev 16	CUTLER-HAMMER D23MR80A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1CR-72(RBCU-1C)(1ES-6) RBCU 1C ESFAS INTERFACE RLY	OEE-138-22 Rev 16	CUTLER-HAMMER D23MR40A 1ESTC2	GERS-RLY-A12.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
HI-TD/RBCU-1C RBCU 1C HIGH SPEED TIMER RLY	OEE-138-22 Rev 16	AGASTAT 7022 AB 1ESTC2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-1C RBCU 1C LOW SPEED TIMER RLY	OEE-138-22 Rev 16	AGASTAT 7022 AB 1ESTC2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Building Cooling**

SUB SYSTEM: **Air Handling Units**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
R2/U1 RBCU 1C CONTROL RLY	OEE-138-22 Rev 16	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-1C)(1ES-6) RO RLY (RBCU 1C)	OEE-138-22 Rev 16	BAILEY CONTROLS 6623990 1ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
TR2/U1 RBCU 1C CONTROL RLY	OEE-138-22 Rev 16	CUTLER-HAMMER D23MR40A/D87MR30A2 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS2-F01A/(RBCUFAN1C)/MS 600V MCC 1XS2-F01A STARTER (RBCU FAN 1C)	OEE-138-22 Rev 16	CLARK BUL 6013 TM (D5A) 1XS2	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
1XS2-F01A/(RBCUFAN1C)/MCB 600V MCC 1XS2 BKR F01A (RBCU FAN 1C FED FROM LC 1X9-06C)	OEE-138-22 Rev 16	GENERAL-ELECTRIC TJJ (300 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RBCDA000C RBC DAMPER 1C	OEE-138-23 Rev 3	GAMEWELL MECH. M-503E 1RBCDA000C	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1XS2-R04D/RBCUFAN1CDAMPER/MS 208V MCC 1XS2-R04D STARTER (RBCU FAN 1C DAMPER)	OEE-138-23 Rev 3	CLARK BUL 6030 CY-1 (H1) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-R04D/(RBCUFAN1CDAMPER)/MCB 208V MCC 1XS2 BKR R04D (RBCU FAN 1C DAMPER)	OEE-138-23 Rev 3	GENERAL-ELECTRIC THEF (15 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 263 of 280

SYSTEM: U1 Reactor Building Spray

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IBSVA0001			
RB SPRAY HEADER 1A ISOLATION			
ICR-01(1BS-1)(BS-V1A)(1ES-7) IBS-1 ESFAS INTERFACE RLY	OEE-159-03 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
IRX-01(1BS-1)(BS-V1A)(1ES-7) IBS-1 CONTROL RLY	OEE-159-03 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
IRX-02(1BS-1)(BS-V1A)(1ES-7) IBS-1 CONTROL RLY	OEE-159-03 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO(1BS-1)(BS-V1A)(1ES-7) RO RLY (IBS-1)	OEE-159-03 Rev 9	BAILEY CONTROLS 6623990 1ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R05C/(1BS-1)/MS 208V MCC 1XS1-R05C STARTER (IBS-1)	OEE-159-03 Rev 9	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R05C/(1BS-1)/MCB 208V MCC 1XS1 BKR R05C (IBS-1)	OEE-159-03 Rev 9	GENERAL-ELECTRIC TED (50 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IBSVA0002			
RB SPRAY HEADER 1B ISOLATION			
ICR-04(1BS-2)(BS-V1B)(1ES-8) IBS-2 ESFAS INTERFACE RLY	OEE-159-04 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
IRX-03(1BS-2)(BS-V1B)(1ES-8) IBS-2 CONTROL RLY	OEE-159-04 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Building Spray

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IRX-04(1BS-2)(BS-V1B)(IES-8) 1BS-2 CONTROL RLY	OEE-159-04 Rev 9	CUTLER-HAMMER D23MR40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO(1BS-2)(BS-V1B)(IES-8) RO RLY (1BS-2)	OEE-159-04 Rev 9	BAILEY CONTROLS 6623990 IESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-R04A/(1BS-2)/MS 208V MCC 1XS2-R04A STARTER (1BS-2)	OEE-159-04 Rev 9	CLARK BUL 6030 CY-1 (H1A) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-R04A/(1BS-2)/MCB 208V MCC 1XS2 BKR R04A (1BS-2)	OEE-159-04 Rev 9	GENERAL-ELECTRIC TED (50 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IBSVA0003 RBS PUMP SUCTION ISOL			
1XS1-R04E/(1BS-3)/MS 208V MCC 1XS1-R04E STARTER (1BS-3)	OEE-159-01 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R04E/(1BS-3)/MCB 208V MCC 1XS1 BKR R04E (1BS-3)	OEE-159-01 Rev 4	GENERAL-ELECTRIC TED (20 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IBSVA0004 RBS PUMP SUCTION ISOL			
1XS2-R01D/(1BS-4)/MS 208V MCC 1XS2-R01D STARTER (1BS-4)	OEE-159-02 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS2-R01D/(1BS-4)/MCB 208V MCC 1XS2 BKR R01D (1BS-4)	OEE-159-02 Rev 4	GENERAL-ELECTRIC TED (20 A) 1XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Coolant**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IRCP0365 PZR LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-34 Rev 1	DIXSON SA101AXTX 1UB1	NV AB 822
1RCLT0004P1 PRZ LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-34 Rev 1	ROSEMOUNT 1154HP5RB 1RCLT0004P1	NV RB 797'+6"
1KVIA-08/MCB(1RCP0365) 120V PPB 1KVIA BKR 08 (1RCP0365) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-33 Rev 2	ITE QP1 (20 A) 1KVIA	NV AB 809
IRCP0367 PZR TEMP INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-34 Rev 1	DIXSON SA101AXTX 1UB1	NV AB 822
1RCRD0043A PRZ RTD <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-34 Rev 1	WEED INSTRUMENT N9261 1RCRD0043A	NV RB 797'+6"
1KVIA-08/MCB(1RCP0367) 120V PPB 1KVIA BKR 08 (1RCP0367) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-33 Rev 2	ITE QP1 (20 A) 1KVIA	NV AB 809
IRCP0368 PZR LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-37 Rev 0	DIXSON SA101AXTX 1UB1	NV AB 822
1RCLT0004P3 PRZ LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-37 Rev 0	ROSEMOUNT 1154HP5RB 1RCLT0004P3	NV RB 797'+6"
1KVIB-13/MCB(1RCP0368) 120V PPB 1KVIB BKR 13 (1HPIP0368) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-36 Rev 1	ITE QP1 (20 A) 1KVIB	NV AB 809
IRCP0369 PZR TEMP INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-155-37 Rev 0	DIXSON SA101AXTX 1UB1	NV AB 822

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 266 of 280

SYSTEM: U1 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1RCRD0043B PRZ RTD	OEE-155-37 Rev 0	WEED INSTRUMENT N9261 1RCRD0043B	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KVIB-13/MCB(1RCP0369) 120V PPB 1KVIB BKR 13 (1RCP0369)	OEE-155-36 Rev 1	ITE QP1 (20 A) 1KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCP0376 ICCM WR HOT LEG TEMP INDICATION	OEE-150-23 Rev 1	DIGITEC 2820-27 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCRD0084B A HOT LEG RTD	OEE-155-23 Rev 0	ROSEMOUNT 177GY 1RCRD0084B	NV RB 844'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MT-87(RD84B) WR TEMP SIGNAL CONDITIONER (ICC A)	OEE-155-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 1TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TAL/U1 WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-150-23 Rev 1	SQUARE-D 8501-RS14 1TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1RCRD0085B B HOT LEG RTD	OEE-155-23 Rev 0	ROSEMOUNT 177GY 1RCRD0085B	NV RB 844'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MT-89(RD85B) WR TEMP SIGNAL CONDITIONER (ICC B)	OEE-155-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 1TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TBL/U1 WR HOTLEG TEMP INDICATION CONTROL RLY	OEE-150-23 Rev 1	SQUARE-D 8501-RS14 1TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1KI-18/MCB(1RCP0376) 120V PPB 1KI BKR 18 (RC Instrumentation)	OEE-150-23 Rev 1	ITE CC (20 A) 1KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Coolant**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S47* Building Floor Elev
IRCP0377 RCS COLD LEG TEMP INDICATION	OEE-150-24 Rev 1	DIGITEC 2820-27 1UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IRCRD0005B A2 COLD LEG RTD	OEE-150-24 Rev 1	ROSEMOUNT 177GY 1RCRD0005B	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IRCRD0005B BRIDGE LINEAR BRIDGE (1RCRD5B)	OEE-150-24 Rev 1	ROSEMOUNT 414F 1ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
IRCTT0016P (RD5B) 1A2 COLD LEG TEMP XMTR (1RD5B)	OEE-150-24 Rev 1	BAILEY CONTROLS 6625050-1 1ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MT-83 (RD05B) WR COLDLEG TEMP SIGNAL CONDITIONER	OEE-150-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 1TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
183/WRC-A/U1 U1 WR INLET TEMP LOOP A SELECTION	OM 201-H-69 Rev DM	POTTER-BRUMFIELD KRP14AN 1ICS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
TA2/U1 (RD05B) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-150-24 Rev 1	SQUARE-D 8501-RS14 1TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1RCRD0006A A1 COLD LEG RTD	OEE-150-24 Rev 1	ROSEMOUNT 177GY 1RCRD0006A	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCRD0006A BRIDGE LINEAR BRIDGE (1RCRD6A)	OEE-150-24 Rev 1	ROSEMOUNT 414F 1ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
IRCTT0013P (RD6A) 1A1 COLD LEG TEMP XMTR (1RD6A)	OEE-150-24 Rev 1	BAILEY CONTROLS 6625050-1 1ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IMT-82(RD06A) WR LOOP 1A1 XMTR	OEE-150-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 1TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TA1/U1(RD06A) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-150-24 Rev 1	SQUARE-D 8501-RS14 1TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1RCRD0007B B2 COLD LEG RTD	OEE-150-24 Rev 1	ROSEMOUNT 177GY 1RCRD0007B	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCRD0007B BRIDGE LINEAR BRIDGE (1RCRD7B)	OEE-150-24 Rev 1	ROSEMOUNT 414F HICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1RCTT0018P(RD7B) 1B2 COLD LEG TEMP XMTR (1RD7B)	OEE-150-24 Rev 1	BAILEY CONTROLS 6625050-1 HICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IMT-85(RD07B) WR COLDLEG TEMP SIGNAL CONDITIONER	OEE-150-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 1TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
183/WRC-B/U1 U1 WR INLET TEMP LOOP B SELECTION	OM 201-H-70 Rev DM	POTTER-BRUMFIELD KRP14AN HICS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
TB2/U1(RD07B) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-150-24 Rev 1	SQUARE-D 8501-RS14 1TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1RCRD0008A B1 COLD LEG RTD	OEE-150-24 Rev 1	ROSEMOUNT 177GY 1RCRD0008A	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1RCRD0008A BRIDGE LINEAR BRIDGE (1RCRD8A)	OEE-150-24 Rev 1	ROSEMOUNT 414F HICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Coolant**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
IRCTT0015P(RD8A) 1B1 COLD LEG TEMP XMTR (1RD8A)	OEE-150-24 Rev 1	BAILEY CONTROLS 6625050-1 IICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1MT-84(RD08A) WR RC LOOP 1B1 XMTR	OEE-150-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 1TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TB1/U1(RD08A) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-150-24 Rev 1	SQUARE-D 8501-RS14 1TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
1KI-18/MCB(1RCP0377) 120V PPB 1KI BKR 18 (RC Instrumentation)	OEE-150-24 Rev 1	ITE CC (20 A) 1KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

IRCV A0003

PRZ SPRAY ISOLATION

83-L/SSV/U1 ICS CONTROL LATCHING RLY (IRC-3) (SHOWN AS MO & MC CONTACTS) <i>GERS - Seismically Adequate Per GERS.</i>	OM 201.H-0073 Rev DM	POTTER-BRUMFIELD KRP11AG IICS	GERS-RLY-ARS.4 AB 822
1XO-R03D/(IRC-3)/MS 208V MCC 1XO-R03D STARTER (IRC-03) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-150-02 Rev 4	CLARK BUL 6030 CY-1 (H1) 1XO	EVAL (MCC QUAL) AB 796
1XO-R03D/(IRC-3)/MCB 208V MCC 1XO BKR R03D (IRC-03) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-150-02 Rev 4	GENERAL-ELECTRIC TEF6 (28/68 A) 1XO	NV AB 796

IRCV A0004

PRZ PORV BLOCK VALVE

1XSF-F06C(600V)/(IRC-4)/MS 600V MCC 1XSF-F06C STARTER (IRC-04) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-150 Rev 6	GTE-SYLVANIA BUL 6240 1XSF(600V)	EVAL (SSF QUAL) SSF 817
1XSF-F06C(600V)/(IRC-4)/MCB 600V MCC 1XSF BKR F06C (IRC-04) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-150 Rev 6	GENERAL-ELECTRIC THED (20 A) 1XSF(600V)	NV SSF 817

IRCV A0005

PRZ STEAM SAMPLE ISOLATION

1CR-54(IRC-5)(CA-V1)(IES-1) IRC-5 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-157 Rev 12	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
1RX-47(IRC-5)(CA-V1)(IES-1) IRC-5 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-157 Rev 12	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(IRC-5)(CA-V1)(IES-1) RO RLY (IRC-5)	OEE-157 Rev 12	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XSF-1-01D/(IRC-5)/MS 208V MCC 1XSF-1-01D STARTER (IRC-05)	OEE-157 Rev 12	GTE-SYLVANIA BUL 6240 1XSF-1(208V)	EVAL (SSF QUAL) SSF 797
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XSF-1-01D/(IRC-5)/MCB 208V MCC 1XSF-1 BKR 01D (IRC-05)	OEE-157 Rev 12	GENERAL-ELECTRIC THED (20 A) 1XSF-1(208V)	NV SSF 797
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IRCVA0006 PRZ WATER SAMPLE ISOLATION			
ICR-55(IRC-6)(CA-V3)(IES-1) IRC-6 ESFAS INTERFACE RLY	OEE-157-01 Rev 11	CUTLER-HAMMER D23MR40A IESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
IRX-48(IRC-6)(CA-V3)(IES-1) IRC-6 CONTROL RLY	OEE-157-01 Rev 11	CUTLER-HAMMER D23MR40A IESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(IRC-6)(CA-V3)(IES-1) RO RLY (IRC-6)	OEE-157-01 Rev 11	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XSF-1-01E/(IRC-6)/MS 208V MCC 1XSF-1-01E STARTER (IRC-06)	OEE-157-01 Rev 11	GTE-SYLVANIA BUL 6240 1XSF-1(208V)	EVAL (SSF QUAL) SSF 797
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XSF-1-01E/(IRC-6)/MCB 208V MCC 1XSF-1 BKR 01E (IRC-06)	OEE-157-01 Rev 11	GENERAL-ELECTRIC THED (20 A) 1XSF-1(208V)	NV SSF 797
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IRCVA0007 PRZ WATER SAMPLE ISOLATION			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Coolant**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1CR-39(IRC-7)(IES-2) IRC-7 ESFAS INTERFACE RLY	OEE-157-04 Rev 12	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-01(IRC-7)(IES-2) IRC-7CONTROL RLY	OEE-157-04 Rev 12	CUTLER-HAMMER D23MRD40A 1ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(IRC-7)(IES-2) RO RLY (IRC-7)	OEE-157-04 Rev 12	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1DIB-25/(IRC-7)/MCB 125V PPB 1DIB BKR 25 (IRC-07)	OEE-157-04 Rev 12	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
IRCVA0066 PRZ PORV			
1RCIS0148 IRC-66 CURRENT MODULE	OEE-150-07-B Rev 0	ROCHESTER ET-1215-X 1PIR	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
1RCTI0148 IRC-66 CONTROL TIMER	OEE-150-07 Rev 10	AGASTAT 7012 PB 1MTC4	GERS-RLY-PNT.7 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27/HI-RC/RC-66/U1 ICS UV RLY	OM 201.H-0075 Rev DK	BAILEY CONTROLS 6614306-1 1ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
CRV3/U1 IRC-66 SOLENOID ACTUATOR CONTACTOR	OEE-150-07 Rev 10	ITE/GOULD P102C111 1MTC4	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second PORV (RC-66).</i>			
PRV3/U1 IRC-66 CONTROL RLY	OEE-150-07 Rev 10	CUTLER-HAMMER D26MRD30A1 1MTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Coolant
 SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RV3X/U1 IRC-66 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-150-07 Rev 10	STRUTHERS-DUNN 219BBXP 1MTC3	GERS-RLY-ARS.4 AB 809
RV3XA/U1 IRC-66 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-150-07 Rev 10	STRUTHERS-DUNN 219BBXP 1MTC3	GERS-RLY-ARS.4 AB 809
1DIB-24/MCB 125V PPB 1DIB BKR 24 (IRC-66) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-150-07 Rev 10	ITE EH2 (30 A) 1DIB/PPB	NV AB 809
1KG-20/MCB 120V PPB 1KG BKR 20 (1RCIS0148) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-150-07-B Rev 0	GENERAL-ELECTRIC TQL (20 A) 1KG	NV AB 838
1RCPT0017P RCS LOOP A PRESS TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201.K-0012 Rev DF	ROSEMOUNT 1152GP9A22MB 1RCPT0017P	NV RB 825
1RC3/PS8 RC PRESSURE CONTROL SWITCH <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second PORV (RC-66).</i>	OM 201.H-0067 Rev DJ	BAILEY CONTROLS 6613303-1 IICS	CNA AB 822
BA(1RCPT0017P) BUFFER AMPLIFIER (1RCPT0017P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201.K-0012 Rev DF	BAILEY CONTROLS 6621670 1RPS	NV AB 822
PWRSUP(1RCPT0017P) 1RCTT0017P POWER SUPPLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201.K-0012 Rev DF	MOTOROLA 6623903 1RPS	NV AB 822
SA(1RCPT0017P) SUMMER AMPLIFIER (1RCPT0017P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201.H-0067 Rev DJ	BAILEY CONTROLS 6620255 IICS	NV AB 822
1RCPT0166P RCS LOOP B PRESS TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 201.K-0052 Rev DF	ROSEMOUNT 1152GPA22MB 1RCPT0166P	NV RB 825

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **UI Reactor Coolant**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

BA(IRCPT0166P) BUFFER AMPLIFIER (IRCPT0166P)	OM 201.K-0052 Rev DF	BAILEY CONTROLS 6621670 1RPS	NV AB 822
---	----------------------	------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

PWRSUP(IRCPT0166P) IRCTT0166P POWER SUPPLY	OM 201.K-0052 Rev DF	MOTOROLA 6623903 1RPS	NV AB 822
---	----------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0155
 RCS HOT LEG 1A VENT

1SKJ-08/MCB(IRC-155) 120V PPB 1SKJ BKR 08 (IRC-155)	OEE-150-19 Rev 2	SQUARE-D QOB (20 A) 1SKJ	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0157
 RCS HOT LEG 1B VENT

1SKK-08/MCB(IRC-157) 120V PPB 1SKK BKR 08 (IRC-157)	OEE-150-15 Rev 2	SQUARE-D QOB (20 A) 1SKK	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0159
 RV VENT ISOLATION

1SKL-08/MCB(IRC-159) 120V PPB 1SKL BKR 08 (IRC-159)	OEE-150-16 Rev 2	SQUARE-D QOB (20 A) 1SKL	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0160
 RV VENT ISOLATION

1SKL-08/MCB(IRC-160) RV HEAD VENT VALVE (IRC-160)	OEE-150-16 Rev 2	SQUARE-D QOB (20 A) 1SKL	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Reactor Coolant**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation.</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
--	------------------	-------------------------------------	--------------------------------

IRCVA0162

POST ACC SAMPLE PATH ISOL

1KVIB-14/MCB(IRC-162) 120V PPB 1KVIB BKR 14 (IRC-162)	OEE-162-04 Rev 2	ITE QP1 (30 A) 1KVIB	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0163

POST ACC SAMPLE PATH ISOL

1KVIC-14/MCB(IRC-163) 120V PPB 1KVIC BKR 14 (IRC-163)	OEE-162-04 Rev 2	ITE QP1 (20 A) 1KVIC.	NV AB 809
--	------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0164

POST ACC SAMPLE PATH ISOL

1KVIB-14/MCB(IRC-164) 120V PPB 1KVIB BKR 14 (IRC-164)	OEE-162-05 Rev 2	ITE QP1 (30 A) 1KVIB	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0165

POST ACC SAMPLE PATH ISOL

1KVIA-04/MCB(IRC-165) 120V PPB 1KVIA BKR 04 (IRC-165)	OEE-162-05 Rev 2	ITE QP1 (20 A) 1KVIA	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

IRCVA0179

POST ACC SAMPLE THROTTLE

K6/U1 RC-179 CONTROL RLY	OEE-162-02 Rev 2	POTTER-BRUMFIELD KRP11AG 1PASCP	CA AB 771
-----------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1L2-39/MCB(IRC-179) 120V PPB 1L2 BKR 39 (IRC-179)	OEE-162-02 Rev 2	GENERAL-ELECTRIC TQL (20 A) 1L2	NV AB 771

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Waste Disposal**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

ICSV A0005
 QUENCH TANK DRAIN

ICR-59(ICS-5)(WD-V12)(IES-1) ICS-5 ESFAS INTERFACE RLY	OEE-160-05 Rev 10	CUTLER-HAMMER D23MR40A IESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
IRX-52(ICS-5)(WD-V12)(IES-1) ICS-5 CONT RLY	OEE-160-05 Rev 10	CUTLER-HAMMER D23MR40A IESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(ICS-5)(WD-V12)(IES-1) RO RLY (ICS-5)	OEE-160-05 Rev 10	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS1-R02D(ICS-5)/MS 208V MCC 1XS1-R02D STARTER (ICS-5)	OEE-160-05 Rev 10	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R02D(ICS-5)/MCB 208V MCC 1XS1 BKR R02D (ICS-5)	OEE-160-05 Rev 10	GENERAL-ELECTRIC TEF6 (15 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

ICSV A0006
 QUENCH TANK DRAIN

ICR-44(ICS-6)(WD-V5)(IES-2) ICS-6 ESFAS INTERFACE RLY	OEE-160-01 Rev 11	CUTLER-HAMMER D23MRD40A IESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
ISR5 ICS-6 CONT RLY	OEE-160-01 Rev 11	CUTLER-HAMMER D26MRD30A1 IESTC2A	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(ICS-6)(WD-V5)(IES-2) RO RLY (ICS-6)	OEE-160-01 Rev 11	BAILEY CONTROLS 6623990 IESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O1

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: **U1 Waste Disposal**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DIB-25/(1CS-6)/MCB 125V PPB 1DIB BKR 25 (1CS-6)	OEE-160-01 Rev 11	ITE EH2 (50 A) 1DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1GWDVA0012 QUENCH TANK VENT			
1CR-58(1GWD-12)(WD-V1)(1ES-1) 1GWD-12 ESFAS INTERFACE RLY	OEE-160-04 Rev 11	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1RX-51(1GWD-12)(WD-V1)(1ES-1) 1GWD-12 CONT RLY	OEE-160-04 Rev 11	CUTLER-HAMMER D23MR40A 1ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(1GWD-12)(WD-V1)(1ES-1) RO RLY (1GWD-12)	OEE-160-04 Rev 11	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1XS1-R02B/(1GWD-12)/MS 208V MCC 1XS1-R02B STARTER (1GWD-12)	OEE-160-04 Rev 11	CLARK BUL 6030 CY-1 (H1A) 1XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
1XS1-R02B/(1GWD-12)/MCB 208V MCC 1XS1 BKR R02B (1GWD-12)	OEE-160-04 Rev 11	GENERAL-ELECTRIC THEF (15 A) 1XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1GWDVA0013 QUENCH TANK VENT			
1CR-42(1GWD-13)(WD-V2)(1ES) 1GWD-13 ESFAS INTERFACE RLY	OEE-160 Rev 10	CUTLER-HAMMER D23MRD40A 1ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
ISR3 1GWD-13 CONT RLY	OEE-160 Rev 10	CUTLER-HAMMER D26MRD30A1 1ESTC2A	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-01

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

SYSTEM: U1 Waste Disposal

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(1GWD-13)(WD-V2)(1ES-2) RO RLY (1GWD-13)	OEE-160 Rev 10	BAILEY CONTROLS 6623990 1ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1DIB-25/(1GWD-13)/MCB 125V PPB 1DIB BKR 25 (1GWD-13)	OEE-160 Rev 10	ITE EH2 (50 A) 1DIB/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-01

USI A-46 SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 1 + SHARED EQUIPMENT

Page 280 of 280

* SAT Codes

- BA - Low Ruggedness
- CA - Chatter acceptable.
- CNA - Chatter Not Acceptable
- NV - Not Vulnerable (mechanically actuated contacts and solid state relays).
- GERS - Seismically adequate based on GERS ____; include GERS number.
- NA - Component not affected by relays.
- CR - Corrective action required.
- OA - Operator action.
- EVAL - Evaluated using other test reports, etc.
- - No entry necessary

Prepared by

Cory Cherry Date 11-11-97

Reviewed by

Tom Ralls Date 11-11-97

OCONEE NUCLEAR STATION

USI A-46 RELAY EVALUATION REPORT

Volume 2 of 3



A Duke Energy Company

December 1997

9712190175 12/15/97

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM Subsystem	TABLE OF CONTENTS	Page
CT-2		
Protective Relaying		8
CT-2		
Transformer Cooling		10
EMERGENCY POWER		
Synchronizing Circuits		13
U2 125/250V DC PWR		
125V DC CONTROL PWR		14
U2 125/250V DC PWR		
250V DC MCC AND LGT DL2 PWR		16
U2 125/250V DC PWR		
250V DC PWR		17
U2 208V PWR (PPB)		
AC PWR		19
U2 240/120V AC PWR		
120V AC AUX PWR		20
U2 240/120V AC PWR		
120V AC ICS PWR		21
U2 240/120V AC PWR		
120V AC VITAL PWR		22
U2 240/120V AC PWR		
240/120V AC COM PWR		23
U2 240/120V AC PWR		
240/120V AC REG PWR		24
U2 4160V PWR		
MAIN FEEDER BUS		25

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - RELAY TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM Subsystem	Page
U2 4160V PWR	
Switchgear Supply Breakers	37
U2 600/208V MOTOR CONTROL CENTERS	
208 V	44
U2 600/208V MOTOR CONTROL CENTERS	
600 V	46
U2 600V PWR (LOAD CENTERS)	
2X01	51
U2 600V PWR (LOAD CENTERS)	
2X02	53
U2 600V PWR (LOAD CENTERS)	
2X03	55
U2 600V PWR (LOAD CENTERS)	
2X04	57
U2 600V PWR (LOAD CENTERS)	
2X05	59
U2 600V PWR (LOAD CENTERS)	
2X06	61
U2 600V PWR (LOAD CENTERS)	
2X08	63
U2 600V PWR (LOAD CENTERS)	
2X09	64
U2 600V PWR (LOAD CENTERS)	
2X10	65
U2 CONDENSATE	
FWPT A Controls	66

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U2 CONDENSATE		
FWPT B Controls		68
U2 CONDENSATE		
Pumps		70
U2 CONDENSATE		
Valves		72
U2 CONDENSATE DC INTERLOCKS		
Controls		79
U2 CONDENSER CIRCULATING WATER		
Controls		81
U2 CONDENSER CIRCULATING WATER		
Pumps		85
U2 CONDENSER CIRCULATING WATER		
Valves		88
U2 CONTROL ROD POSITION		
Instrumentation		91
U2 EMERGENCY FEEDWATER		
ATWS Mitigation Cont		92
U2 EMERGENCY FEEDWATER		
Emergency Turbine Pump		94
U2 EMERGENCY FEEDWATER		
Instrumentation		97
U2 EMERGENCY FEEDWATER		
Pumps		100
U2 EMERGENCY FEEDWATER		
Valves		103

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - RELAY TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U2 EMERGENCY LIGHTING		
DC Lights		112
U2 EMERGENCY POWER SWITCHING LOGIC		
EPSL		113
U2 ENGINEERED SAFEGUARDS		
Analog Channel 1		129
U2 ENGINEERED SAFEGUARDS		
Analog Channel 2		130
U2 ENGINEERED SAFEGUARDS		
Analog Channel 3		131
U2 ENGINEERED SAFEGUARDS		
Controls		132
U2 ENGINEERED SAFEGUARDS		
Digital Channel 1		134
U2 ENGINEERED SAFEGUARDS		
Digital Channel 2		135
U2 ENGINEERED SAFEGUARDS		
Digital Channel 3		136
U2 ENGINEERED SAFEGUARDS		
Digital Channel 4		137
U2 ENGINEERED SAFEGUARDS		
Digital Channel 5		138
U2 ENGINEERED SAFEGUARDS		
Digital Channel 6		139
U2 ENGINEERED SAFEGUARDS		
Digital Channel 7		140

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - RELAY TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U2 ENGINEERED SAFEGUARDS		
Digital Channel 8		141
U2 HIGH PRESSURE INJECTION		
Instrumentation		142
U2 HIGH PRESSURE INJECTION		
Pumps		144
U2 HIGH PRESSURE INJECTION		
Valves		147
U2 ICCM		
Instrumentation		159
U2 KEOWEE START		
Emergency Start Controls		161
U2 LOW PRESSURE INJECTION		
Instrumentation		162
U2 LOW PRESSURE INJECTION		
Pumps		164
U2 LOW PRESSURE INJECTION		
Valves		167
U2 LOW PRESSURE SERVICE WATER		
Valves		177
U2 MAIN POWER		
Protective Relaying		184
U2 MAIN STEAM		
Instrumentation		185
U2 MAIN STEAM		
Valves		187

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U2 MAIN TURBINE		
Controls		197
U2 MAIN TURBINE		
Valves		204
U2 NUCLEAR INSTRUMENTATION		
Instrumentation		205
U2 OPERATION CONTROL TRANSFER TO SSF		
Controls		211
U2 PENETRATION RM VENTILATION		
Valves		212
U2 POST ACCIDENT MONITORING		
Instrumentation		215
U2 PRESSURIZER HEATERS		
Bank 2 Group B		216
U2 PRESSURIZER HEATERS		
Bank 2 Group C		219
U2 PRESSURIZER HEATERS		
Bank 2 Group D		221
U2 REACTOR BUILDING COOLING		
Air Handling Units		222
U2 REACTOR BUILDING SPRAY		
Valves		227
U2 REACTOR COOLANT		
Instrumentation		229
U2 REACTOR COOLANT		
Valves		234

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM
Subsystem

TABLE OF CONTENTS

Page

U2 WASTE DISPOSAL

Valves

240

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 8 of 243

SYSTEM: CT-2

SUB SYSTEM: Protective Relaying

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50B/CT2 XFMR CT2 INSTANTANEOUS OC RLY	OEE-071-01 Rev 9	GENERAL-ELECTRIC CHC11A21 2EB2	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
51TN/CT2(230KV) XFMR CT2 230 KV/NEUTRAL OC RLY	OEE-071-01 Rev 9	WESTINGHOUSE CO-7 (1875252) 2EB2	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
51TN/CT2(4160V) XFMR CT2 4.16 KV/NEUTRAL OC RLY	OEE-071-01 Rev 9	WESTINGHOUSE CO-7 (1875253) 2EB2	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
51TN/CT2(6900V) XFMR CT2 6.9 KV/NEUTRAL OC RLY	OEE-071-01 Rev 9	WESTINGHOUSE CO-7 (1875253) 2EB2	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
62B1/PCB-26 PCB 26 AUX BKR FAIL RLY	OEE-071-01 Rev 9	STRUTHERS-DUNN 219BBXP 2EB2	EVAL (DPC-1393.00-00-0004) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B1/PCB-27 PCB 27 AUX BKR FAIL RLY	OEE-071-01 Rev 9	STRUTHERS-DUNN 219BBXP 2EB2	EVAL (DPC-1393.00-00-0004) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86/CT2 CT2 XFMR LOCKOUT RLY	OEE-071-01 Rev 9	GENERAL-ELECTRIC HEA61C245 2EB2	GERS-RLY-ALO.2 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
87T/CT2(X) CT2 XFMR DIFF RLY (X PHASE)	OEE-071-01 Rev 9	WESTINGHOUSE HU-1 (Low Ruggedness) 2EB2	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
87T/CT2(Y) CT2 XFMR DIFF RLY (Y PHASE)	OEE-071-01 Rev 9	WESTINGHOUSE HU-1 (Low Ruggedness) 2EB2	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
87T/CT2(Z) CT2 XFMR DIFF RLY (Z PHASE)	OEE-071-01 Rev 9	WESTINGHOUSE HU-1 (Low Ruggedness) 2EB2	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: CT-2

SUB SYSTEM: Protective Relaying

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
87TB/CT2(X) CT2 XFMR 230KV SUPPLY BUS DIFF RLY (X PHASE) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-071-01 Rev 9	GENERAL-ELECTRIC PVD21D/NON-OP 2EB2	GERS-RLY-PPM.4 AB 822
87TB/CT2(Y) CT2 XFMR 230KV SUPPLY BUS DIFF RLY (Y PHASE) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-071-01 Rev 9	GENERAL-ELECTRIC PVD21D/NON-OP 2EB2	GERS-RLY-PPM.4 AB 822
87TB/CT2(Z) CT2 XFMR 230KV SUPPLY BUS DIFF RLY (Z PHASE) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-071-01 Rev 9	GENERAL-ELECTRIC PVD21D/NON-OP 2EB2	GERS-RLY-PPM.4 AB 822
2DIA-08/MCB 125V PPB 2DIA BKR 08 (CT2 LOCKOUT) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-071-01 Rev 9	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
86BU2 U2 STUP BUS LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-02 Rev 8	ELECTRO-SWITCH LOR (SERIES 24) 2TCPA	GERS-RLY-ALO.2 L1 TB 796
87BU2(X) U2 STUP BUS DIFF RLY (X PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>	OEE-217-02 Rev 8	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 2TCPA	BA TB 796
87BU2(Y) U2 STUP BUS DIFF RLY (Y PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>	OEE-217-02 Rev 8	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 2TCPA	BA TB 796
87BU2(Z) U2 STUP BUS DIFF RLY (Z PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>	OEE-217-02 Rev 8	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 2TCPA	BA TB 796
RAR/2 CT2 STUP BUS DIFF TIME DELAY LOCKOUT INITIATE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-217-02 Rev 8	AGASTAT 2412 PB 2TCPA	CA TB 796
2DIA-31/MCB 125V PPB 2DIA BKR 31 (86BU2 LOCKOUT) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-02 Rev 8	ITE EH2 (50 A) 2DIA/PPB	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: CT-2

SUB SYSTEM: Transformer Cooling

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
8-1(CT2) 600V DISC SWITCH FOR NORM FDR TO XFMR CT2 FANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC HC1 (600V) (20 A) CT2	NV YD 796
88-F1A(CT2) 600V FAN MTR A FOR CT2 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F1B(CT2) 600V FAN MTR B FOR CT2 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F1C(CT2) 600V FAN MTR C FOR CT2 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F1D(CT2) 600V FAN MTR D FOR CT2 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F1E(CT2) 600V FAN MTR E FOR CT2 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F1F(CT2) 600V FAN MTR F FOR CT2 COOL FAN BANK #1 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F2G(CT2) 600V FAN MTR G FOR CT2 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F2H(CT2) 600V FAN MTR H FOR CT2 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
88-F2J(CT2) 600V FAN MTR J FOR CT2 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **CT-2**

SUB SYSTEM: **Transformer Cooling**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
88-F2K(CT2) 600V FAN MTR K FOR CT2 COOL FAN BANK #2 WITH THERMO-TECTOR	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F2L(CT2) 600V FAN MTR L FOR CT2 COOL FAN BANK #2 WITH THERMO-TECTOR	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC (1/3 HP) CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
89-E(CT2) CT2 AUTOMATIC THROW OVER SWITCH (EMERG)	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC CR109C002BAD CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
89-N(CT2) CT2 AUTOMATIC THROW OVER SWITCH (NORM)	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC CR109C002BAD CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
49(CT2) CT2 THERMAL RLY	OM 1300-09-01 Rev 5	QUALITROL AWR-102 (348A476H12) CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
83-1(CT2) CT2 PWR CONTROL XFER RLY	OM 1300-09-01 Rev 5	AGASTAT 2432 ABB CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
83-2(CT2) CT2 PWR CONTROL XFER RLY	OM 1300-09-01 Rev 5	AGASTAT 2432 ABB CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
83-3(CT2) CT2 PWR CONTROL XFER RLY	OM 1300-09-01 Rev 5	AGASTAT 2412 AC CT2	CA YD 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
83-4(CT2) CT2 PWR CONTROL XFER RLY	OM 1300-09-01 Rev 5	AGASTAT 2412 AC CT2	CA YD 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
4(CT2) CT2 FAN MAGNETIC CONTACTOR	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC CR105C CT2	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **CT-2**

SUB SYSTEM: **Transformer Cooling**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XB-F02BB/MCB 600V MCC 2XB BKR F02BB (CT2 FANS) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-A Rev 27	GENERAL-ELECTRIC THED (70 A) 2XB	NV TB 775
52-1(CT2) 600V BKR (CT2 COOL FAN BANK #1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC TEF (15 A) CT2	NV YD 796
52-2(CT2) 600V BKR (CT2 COOL FAN BANK #2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1300-09-01 Rev 5	GENERAL-ELECTRIC TEF (15 A) CT2	NV YD 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **Emergency Power**

SUB SYSTEM: **Synchronizing Circuits**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

27CT2 DEGRADED GRID UNDERVOLTAGE RELAY	OEE-048-E Rev 1	ABB 27N 2AT8	CA AB 809
---	-----------------	--------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Actuate The EGPS And Cannot Block Its Actuation.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

Page 14 of 243

SYSTEM: U2 125/250V DC PWR

SUB SYSTEM: 125V DC CONTROL PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DCA-01A/MCB 125V DC 2DCA BKR 01A (2DCA TO 2DCA) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCA	NV AB 796
2DCA-01B/MCB 125V DC 2DCA BKR 01B (2CA BATT CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCA	NV AB 796
2DCA-02A/MCB 125V DC 2DCA BKR 02A (2CA CTRL BATT) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCA	NV AB 796
2DCA-02B/MCB 125V DC 2DCA BKR 02B (2CS STBY CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCA	NV AB 796
2XS1-F04A/MCB 600V MCC 2XS1 BKR F04A (CONT BATT CHGR 2CA) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-G Rev 47	GENERAL-ELECTRIC TFJ (200 A) 2XS1	NV AB 796
2DCB-01A/MCB 125V DC 2DCB BKR 01A (2DCB TO 2DCA) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCB	NV AB 796
2DCB-01B/MCB 125V DC 2DCB BKR 01B (2CB BATT CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCB	NV AB 796
2DCB-02A/MCB 125V DC 2DCB BKR 02A (2CB CTRL BATT) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCB	NV AB 796
2DCB-02B/MCB 125V DC 2DCB BKR 02B (2CS STBY CHGR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THKM (2400/8000 A) 2DCB	NV AB 796
2XS2-F04D/MCB 600V MCC 2XS2 BKR F04D (BATT CHGR 2CB) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-G Rev 47	GENERAL-ELECTRIC TFJ (200 A) 2XS2	NV AB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 125/250V DC PWR**
 SUB SYSTEM: **125V DC CONTROL PWR**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DCA-03C/MCB 125V DC 2DCA BKR 03C (ISOL DIODE 2ADA) (2DIA)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCA-03A/MCB 125V DC 3DCA BKR 03A (ISOL DIODE 2ADA) (2DIA)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DCA-03D/MCB 125V DC 2DCA BKR 03D (ISOL DIODE 2ADB) (2DIB)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-03A/MCB 125V DC 3DCB BKR 03A (ISOL DIODE 2ADB) (2DIB)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DCB-03C/MCB 125V DC 2DCB BKR 03C (ISOL DIODE 2ADC) (2DIC)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCA-03B/MCB 125V DC 3DCA BKR 03B (ISOL DIODE 2ADC) (2DIC)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DCB-03D/MCB 125V DC 2DCB BKR 03D (ISOL DIODE 2ADD) (2DID)	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-03B/MCB 125V DC 3DCB BKR 03B (ISOL DIODE 2ADD) (2DID)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 125/250V DC PWR

SUB SYSTEM: 250V DC MCC AND LGT DL2 PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DL2-06/MCB 250V DC PPB 2DL2 BKR 6 (LPPB 2L21) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-B Rev 17	GENERAL-ELECTRIC TEF (20A) 2DL2/PBB	NV AB 796
2DP-F03CL/MCB 125/250V DC 2DP BKR F03CL (250V PPB 2DL2) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-B Rev 17	GENERAL-ELECTRIC THEF (100 A) 2DP	NV TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 17 of 243

SYSTEM: U2 125/250V DC PWR

SUB SYSTEM: 250V DC PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DP-F01A/MCB 125/250V DC 2DP BKR F01A (2PA BATT)	O-1705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F01B/MCB 125/250V DC 2DP BKR F01A (2PA BATT CHGR)	O-1705-B Rev 17	GENERAL-ELECTRIC THJK6 (1500/5000 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F01C/MCB 125/250V DC 2DP BKR F01C (2PS STBY CHGR)	O-1705-B Rev 17	GENERAL-ELECTRIC THJK6 (1500/5000 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XO-F01A/MCB 600V MCC 2XO BKR F01A (BATT CHARGER 2PA)	O-1703-D Rev 25	GENERAL-ELECTRIC THED (150 A) 2XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F02A/MCB 125/250V DC 2DP BKR F02A (2PB BATT)	O-1705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F02B/MCB 125/250V DC 2DP BKR F02B (2PB BATT CHGR)	O-1705-B Rev 17	GENERAL-ELECTRIC THJK6 (1500/5000 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F02C/MCB 125/250V DC 2DP BKR F02C (2PS BATT CHGR)	O-1705-B Rev 17	GENERAL-ELECTRIC THJK6 (1500/5000 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XP-F01A/MCB 600V MCC 2XP BKR F01A (BATT CHARGER 2PB)	O-1703-E Rev 27	GENERAL-ELECTRIC THED (150 A) 2XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F04A/MCB 125/250V DC 2DP BKR F04A (1DP TO 2DP TIE MCB)	O-1705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F04B/MCB 125/250V DC 2DP BKR F04B (1DP TO 2DP TIE MCB)	O-1705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 125/250V DC PWR

SUB SYSTEM: 250V DC PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DP-F05A/MCB 125/250V DC 2DP BKR F05A (2DP TO 3DP TIE MCB)	O-1705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F05B/MCB 125/250V DC 2DP BKR F05B (2DP TO 3DP TIE MCB)	O-1705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

Page 19 of 243

SYSTEM: U2 208V PWR (PPB)

SUB SYSTEM: AC PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XGB-F01CT/MCB 600V MCC 2XGB BKR F01CT (PPB 2KB) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-B Rev 32	GENERAL-ELECTRIC THED (50 A) 2XGB	NV TB 796
2XP-R04AT/MCB 208V MCC 2XP BKR R04AT (PPB 2KC) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TED (100 A) 2XP	NV AB 796
2XP-R04AB/MCB 208V MCC 2XP BKR R04AB (PPB 2KD) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TED (100 A) 2XP	NV AB 796
2XP-R04E/MCB 208V MCC 2XP BKR R04E (PPB 2KM) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TED (50 A) 2XP	NV AB 796
2XS1-R04B/MCB 208V MCC 2XS1 BKR R04B (PPB 2SKJ) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-G Rev 47	GENERAL-ELECTRIC THED (70 A) 2XS1	NV AB 796
2XS2-R03CT/MCB 208V MCC 2XS2 BKR R03CT (PPB 2SKK) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-G Rev 47	GENERAL-ELECTRIC THED (70 A) 2XS2	NV AB 796
2XS3-04BB/MCB 208V MCC 2XS3 BKR 04BB (PPB 2SKL) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-G Rev 47	GENERAL-ELECTRIC THED (70 A) 2XS3	NV AB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 240/120V AC PWR

SUB SYSTEM: 120V AC AUX PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DCA-03F/MCB 125V DC 2DCA BKR 03F (AUX PWR INV 2KX) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCA	NV AB 796
2DCB-03F/MCB 125V DC 2DCB BKR 03F (AUX PWR INV 2KX) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCB	NV AB 796
2KRA-02/MCB 120V PPB 2KRA BKR 02 (2KX STATIC SWITCH & INV BYPASS) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE EEI (100 A) 2KRA	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 240/120V AC PWR

SUB SYSTEM: 120V AC ICS PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DCA-03E/MCB 125V DC 2DCA BKR 03E (ICS PWR INV 2KI) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCA	NV AB 796
2DCB-03E/MCB 125V DC 2DCB BKR 03E (ICS PWR INV 2KI) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THFK (900/2000 A) 2DCB	NV AB 796
2KI-01/(ICS)/MCB 120V PPB 2KI BKR 01 (ICS HAND PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE CC (20 A) 2KI	NV AB 809
2KI-05/MCB 120V PPB 2KI BKR 05 (ICS EM PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE CC (20 A) 2KI	NV AB 809
2KI-26/MCB 120V PPB 2KI BKR 25 (ICS AUTO PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE CE (50 A) 2KI	NV AB 809
2KRA-01/MCB 120V PPB 2KRA BKR 01 (2KI STATIC SWITCH & INV BYPASS) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE EEI (100 A) 2KRA	NV AB 809
2KU-21/MCB 120V PPB 2KU BKR 21 (ICS CAB 7) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE CC (20 A) 2KU	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

Page 22 of 243

SYSTEM: U2 240/120V AC PWR

SUB SYSTEM: 120V AC VITAL PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DIA-33/MCB 125V PPB 2DIA BKR 33 (VITAL INV 2DIA) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	ITE FJ2 (125 A) 2DIA/PPB	NV AB 809
2KRA-03/MCB 120V PPB 2KRA BKR 03 (2KVIA XFER SWITCH) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE EE1 (100 A) 2KRA	NV AB 809
2DIB-33/MCB 125V PPB 2DIB BKR 33 (VITAL INV 2DIB) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	ITE FJ2 (125 A) 2DIB/PPB	NV AB 809
2KRA-04/MCB 120V PPB 2KRA BKR 04 (2KVIB XFER SWITCH) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE EE1 (100 A) 2KRA	NV AB 809
2DIC-33/MCB 125V PPB 2DIC BKR 33 (VITAL INV 2DIC) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	ITE FJ2 (125 A) 2DIC/PPB	NV AB 809
2KRA-05/MCB 120V PPB 2KRA BKR 05 (2KVIC XFER SWITCH) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE EE1 (100 A) 2KRA	NV AB 809
2DID-33/MCB 125V PPB 2DID BKR 33 (VITAL INV 2DID) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	ITE FJ2 (125 A) 2DID/PPB	NV AB 809
2KRA-06/MCB 120V PPB 2KRA BKR 06 (2KVID XFER SWITCH) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE EE1 (100 A) 2KRA	NV AB 809

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 240/120V AC PWR
 SUB SYSTEM: 240/120V AC COM PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DCA-04B/MCB 125V DC 2DCA BKR 04B (COMP INV 2KU) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THJK (900/3000 A) 2DCA	NV AB 796
2DCB-04B/MCB 125V DC 2DCB BKR 04B (COMP INV 2KU) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	GENERAL-ELECTRIC THJK (900/3000 A) 2DCB	NV AB 796
2KRA-13/MCB 120V PPB 2KRA BKR 13 (2KU STATIC SWITCH & INV BYPASS) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	ITE QJ2 (150 A) 2KRA	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 240/120V AC PWR
 SUB SYSTEM: 240/120V AC REG PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2A/MCB 240/120V 2A REGULATOR OUTPUT BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	GENERAL-ELECTRIC TJJ (250 A) 2A/MCB	NV AB 796
2B/MCB 240/120V 2B REGULATOR OUTPUT BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705-A Rev 44	GENERAL-ELECTRIC TJJ (250A) 2B/MCB	NV AB 796
2XO-F04BT/MCB 600V MCC 2XO BKR F04BT (NORM PWR REG 2A) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-D Rev 25	GENERAL-ELECTRIC THED (90 A) 2XO	NV AB 796
2XP-F01E/MCB 600V MCC 2XP BKR F01E (NORM PWR REG 2B) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC THED (90 A) 2XP	NV AB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BIT-13 4KV SWGR BIT BKR 13 (STUP BKR E12) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-14 Rev 10	ITE 5HK-350 (3000 A) BIT	NV BH 796
50BE12(BIT-13) U2 STUP BKR E12 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-14 Rev 10	GENERAL-ELECTRIC CHC11A21A BIT	CA BH 796
51G(BIT-13) U2 STUP BKR E12 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-14 Rev 10	WESTINGHOUSE CO-6 (1876904) BIT	EVAL (OSC-6642) BH 796
51X(BIT-13) U2 STUP BKR E12 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-14 Rev 10	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
51Y(BIT-13) U2 STUP BKR E12 OC RLY (Y PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-14 Rev 10	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
51Z(BIT-13) U2 STUP BKR E12 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-14 Rev 10	WESTINGHOUSE CO-8 (1875267) BIT	EVAL (OSC-6642) BH 796
62B12(BIT-13) U2 MAIN BUS 1 BKR FAIL TIMER RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-14-A Rev 10	WESTINGHOUSE TD-5 (293B301A25) 2KESP	EVAL (DPC 1393.00-00-0001) AB 809
62BE12(BIT-13) U2 STUP BKR E12 FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-14-A Rev 10	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
62BXE12(BIT-13) U2 STUP BKR E12 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-14-A Rev 10	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
86B12(BIT-12) U2 MFB 1 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-14-A Rev 10	ELECTRO-SWITCH LOR BIT	GERS-RLY-ALO.2 BH 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 26 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86E12(B1T-13) U2 STUP BKR E12 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-14-A Rev 10	GENERAL-ELECTRIC HEA61C240 BIT	GERS-RLY-ALO.2 BH 796
86XB12(B1T-12) U2 MFB 1 LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-14-A Rev 10	WESTINGHOUSE MG-6/NO (288B977A19) BIT	GERS-RLY-ARH.5 BH 796
86XXB12(B1T-12) U2 MFB 1 LOCKOUT AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-14-A Rev 10	CUTLER-HAMMER D26MRD70A1 BIT	CA BH 796
87B12(X)(B1T-12) U2 MFB 1 DIFF RLY (X PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>	OEE-117-14 Rev 10	WESTINGHOUSE CA-16 (671B157A20) BIT	CNA BH 796
87B12(Y)(B1T-12) U2 MFB 1 DIFF RLY (Y PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>	OEE-117-14 Rev 10	WESTINGHOUSE CA-16 (671B157A20) BIT	CNA BH 796
87B12(Z)(B1T-12) U2 MFB 1 DIFF RLY (Z PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>	OEE-117-14 Rev 10	WESTINGHOUSE CA-16 (671B157A20) BIT	CNA BH 796
94E12(B1T-13) U2 STUP BKR E12 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-14-A Rev 10	WESTINGHOUSE AR (606B017A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
94X1(B1T-12) U2 STUP BKR E12 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-14-A Rev 10	CUTLER-HAMMER D23MRD70A1 BIT	CA BH 796
94Y1(B1T-12) U2 STUP BKR E12 AUX TRIP RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-14-A Rev 10	CUTLER-HAMMER D23MRD70A1 BIT	GERS-RLY-AI2.4 BH 796
CIR-E12(B1T-13) U2 STUP BKR E12 CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-14-A Rev 10	CUTLER-HAMMER D26MRD30A1 BIT	GERS-RLY-AI2.4 BH 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 4160V PWR**

SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DIA-26/MCB 125V PPB 2DIA BKR 26 (4KV SWGR BIT 11-13 CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-14-A Rev 10	ITE EH2 (50 A) 2DIA/PPB	NV AB 809
2DIB-31/MCB 125V PPB 2DIB BKR 31 (4KV SWGR BIT 11-13 TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-14-A Rev 10	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
52-24/TD1 PCB 24 TRIP TD AUX RLY <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-117-14-B Rev 14	WESTINGHOUSE TD-5 (293B301A30) 2KESP	CA AB 809
TDR1A(B1T-12) U2 STUP BKR E12 TIME DELAY RLY A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-14-B Rev 14	AGASTAT 2412 PB BIT	GERS-RLY-PNT.7 BH 796
TDR1B(B1T-12) U2 STUP BKR E12 TIME DELAY RLY B <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-117-14-B Rev 14	AGASTAT 2412 PB BIT	CA BH 796
B2T-01 4KV SWGR B2T BKR 01 (STUP BKR E22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-15 Rev 13	ITE 5HK-350 (3000 A) B2T	NV BH 796
50BE22(B2T-01) U2 STUP BKR E22 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-15 Rev 13	GENERAL-ELECTRIC CHC11A21A B2T	CA BH 796
51G(B2T-01) U2 STUP BKR E22 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-15 Rev 13	WESTINGHOUSE CO-6 (1876904) B2T	EVAL (OSC-6642) BH 796
51X(B2T-01) U2 STUP BKR E22 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-15 Rev 13	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
51Y(B2T-01) U2 STUP BKR E22 OC RLY (Y PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-15 Rev 13	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 28 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
51Z(B2T-01) U2 STUP BKR E22 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-15 Rev 13	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
62B22(B2T-01) U2 MAIN BUS 2 BKR FAIL TIMER RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-15-A Rev 11	WESTINGHOUSE TD-5 (293B301A25) 2KESP	EVAL (DPC 1393.00-00-0001) AB 809
62BE22(B2T-01) U2 STUP BKR E22 FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-15-A Rev 11	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
62BXE22(B2T-01) U2 STUP BKR E22 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-15-A Rev 11	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
86B22(B2T-02) U2 MFB 2 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-15-A Rev 11	GENERAL-ELECTRIC HEA61C239 B2T	GERS-RLY-ALO.2 BH 796
86CT2X(B2T-01) CT2 XFMR LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-15-A Rev 11	CUTLER-HAMMER D26MRD704A1 B2T	GERS-RLY-AI2.4 BH 796
86E22(B2T-01) U2 STUP BKR E22 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-15-A Rev 11	GENERAL-ELECTRIC HEA61C240 B2T	GERS-RLY-ALO.2 BH 796
86XB22(B2T-02) U2 MFB 2 LOCKOUT AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-15-A Rev 11	WESTINGHOUSE MG-6/NO (288B977A19) B2T	GERS-RLY-ARH.5 BH 796
86XXB22(B2T-02) U2 MFB 2 LOCKOUT AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-117-15-A Rev 11	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796
87B22(X)(B2T-02) U2 MFB 2 DIFF RLY (X PHASE) <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>	OEE-117-15 Rev 13	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 29 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
87B22(Y)(B2T-02) U2 MFB 2 DIFF RLY (Y PHASE)	OEE-117-15 Rev 13	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
87B22(Z)(B2T-02) U2 MFB 2 DIFF RLY (Z PHASE)	OEE-117-15 Rev 13	WESTINGHOUSE CA-16 (671B157A20) B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
94E22(B2T-01) U2 STUP BKR E22 AUX TRIP RLY	OEE-117-15-A Rev 11	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94X1(B2T-02) U2 STUP BKR E22 AUX TRIP RLY	OEE-117-15-A Rev 11	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94Y1(B2T-02) U2 STUP BKR E22 AUX TRIP RLY	OEE-117-15-A Rev 11	CUTLER-HAMMER D23MRD70A1 B2T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
CIR-E22(B2T-01) U2 STUP BKR E22 CLOSE RLY	OEE-117-15-A Rev 11	CUTLER-HAMMER D26MRD30A1 B2T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
2DIC-26/MCB 125V PPB 2DIC BKR 26 (4KV SWGR B2T 1-4 CLOSE/TRIP)	OEE-117-15-A Rev 11	ITE EH2 (50 A) 2DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DID-25/MCB 125V PPB 2DID BKR 25 (4KV SWGR B2T 1-4 TRIP)	OEE-117-15-A Rev 11	ITE EH2 (50 A) 2DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52-24/TD2 PCB 24 TRIP TD AUX RLY	OEE-117-15-B Rev 13	WESTINGHOUSE TD-5 (293B301A30) 2KESP	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
TDR1A(B2T-02) U2 STUP BKR E22 TIME DELAY RLY A	OEE-117-15-B Rev 13	AGASTAT 2412 PB B2T	GERS-RLY-PNT.7 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 30 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
TDR1B(B2T-02) U2 STUP BKR E22 TIME DELAY RLY B	OEE-117-15-B Rev 13	AGASTAT 2412 PB B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
B1T-11 4KV SWGR B1T BKR 11 (NORM BKR N12)	OEE-117-12 Rev 6	ITE 5HK-350 (3000 A) B1T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25B12(B1T-12) U2 BUS 1 SYNC RLY	OEE-117-12-A Rev 9	WESTINGHOUSE CVE (293B285A09) B1T	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
25XB12(B1T-12) U2 BUS 1 SYNC AUX RLY	OEE-117-12-A Rev 9	WESTINGHOUSE MG-6/NO (288B977A19) B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50BN12(B1T-11) U2 NORM BKR N12 INSTANTANEOUS OC RLY	OEE-117-12 Rev 6	GENERAL-ELECTRIC CHC11A21A B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51G(B1T-11) U2 NORM BKR N12 GROUND OC RLY	OEE-117-12 Rev 6	WESTINGHOUSE CO-6 (1876904) B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(B1T-11) U2 NORM BKR N12 OC RLY (X PHASE)	OEE-117-12 Rev 6	WESTINGHOUSE CO-8 (1875267) B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(B1T-11) U2 NORM BKR N12 OC RLY (Y PHASE)	OEE-117-12 Rev 6	WESTINGHOUSE CO-8 (1875267) B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(B1T-11) U2 NORM BKR N12 OC RLY (Z PHASE)	OEE-117-12 Rev 6	WESTINGHOUSE CO-8 (1875267) B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BN12(B1T-11) U2 NORM BKR N12 FAIL TIMER RLY	OEE-117-12-A Rev 9	WESTINGHOUSE TD-5 (293B301A30) B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 4160V PWR
 SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62BXN12(B1T-12) U2 NORM BKR N12 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-12-A Rev 9	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
62BXXN12(B1T-12) U2 NORM BKR N12 FAIL AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-12-A Rev 9	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
86N12(B1T-11) U2 NORM BKR N12 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-12-A Rev 9	GENERAL-ELECTRIC HEA61C240 BIT	GERS-RLY-ALO.2 BH 796
94N12(B1T-11) U2 NORM BKR N12 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-12-A Rev 9	WESTINGHOUSE AR (606B017A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
94TD(B1T-12) U2 NORM BKR N12 TIME DELAY TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-12-A Rev 9	AGASTAT 2422 PB BIT	CA BH 796
94X2(B1T-12) U2 STUP BKR E12 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-12-A Rev 9	CUTLER-HAMMER D23MRD70A1 BIT	CA BH 796
94Y2(B1T-12) U2 NORM BKR N12 AUX TRIP RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Equipment To Go To Its Desired Position.</i>	OEE-117-12-A Rev 9	CUTLER-HAMMER D23MRD70A1 BIT	CA BH 796
RXE1(B1T-12) U2 STUP BKR E1 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-12-A Rev 9	WESTINGHOUSE AR (606B029A13) BIT	EVAL (GIP-2 SECTION 6.4.2) BH 796
RXE2(B1T-12) U2 STUP BKR E2 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-117-12-A Rev 9	WESTINGHOUSE AR (606B029A13) BIT	EVAL (GIP-2 SECTION 6.4.2) BH 796
B2T-03 4KV SWGR B2T BKR 03 (NORM BKR N22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-17 Rev 8	ITE 5HK-350 (3000 A) B2T	NV BH 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 4160V PWR**
 SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
25B22(B2T-02) U2 BUS 2 SYNC RLY	OEE-117-17-A Rev 11	WESTINGHOUSE CVE (293B285A09) B2T	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
25XB22(B2T-02) U2 BUS 2 SYNC AUX RLY	OEE-117-17-A Rev 11	WESTINGHOUSE MG-6/NO (288B977A19) B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50BN22(B2T-03) U2 NORM BKR N22 INSTANTANEOUS OC RLY	OEE-117-17 Rev 8	GENERAL-ELECTRIC CHC11A21A B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51G(B2T-03) U2 NORM BKR N22 GROUND OC RLY	OEE-117-17 Rev 8	WESTINGHOUSE CO-6 (1876904) B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(B2T-03) U2 NORM BKR N22 OC RLY (X PHASE)	OEE-117-17 Rev 8	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(B2T-03) U2 NORM BKR N22 OC RLY (Y PHASE)	OEE-117-17 Rev 8	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(B2T-03) U2 NORM BKR N22 OC RLY (Z PHASE)	OEE-117-17 Rev 8	WESTINGHOUSE CO-8 (1875267) B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BN22(B2T-03) U2 NORM BKR N22 FAIL TIMER RLY	OEE-117-17-A Rev 11	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXN22(B2T-02) U2 NORM BKR N22 FAIL AUX RLY	OEE-117-17-A Rev 11	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BXXN22(B2T-02) U2 NORM BKR N22 FAIL AUX RLY	OEE-117-17-A Rev 11	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 33 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86/2TX1(B2T-02) U2 GEN LOCKOUT AUX RLY	OEE-117-17-A Rev 11	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Can Trip And Lockout Normal Feeder Breakers.</i>			
86N22(B2T-03) U2 NORM BKR N22 LOCKOUT RLY	OEE-117-17-A Rev 11	GENERAL-ELECTRIC HEA61C240 B2T	GERS-RLY-ALO.2 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94N22(B2T-03) U2 NORM BKR N22 AUX TRIP RLY	OEE-117-17-A Rev 11	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94TD(B2T-02) U2 NORM BKR N22 TIME DELAY TRIP RLY	OEE-117-17-A Rev 11	AGASTAT 7022 PA B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94X2(B2T-02) U2 NORM BKR N22 AUX TRIP RLY	OEE-117-17-A Rev 11	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94Y2(B2T-02) U2 NORM BKR N22 AUX TRIP RLY	OEE-117-17-A Rev 11	CUTLER-HAMMER D23MRD70A1 B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
RYE1(B2T-02) U2 STUP BKR E1 BLOCKING RLY	OEE-117-17-A Rev 11	WESTINGHOUSE AR (606B029A13) B2T	EVAL (GIP-2 SECTION 6.4.2) BH 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
RYE2(B2T-02) U2 STUP BKR E2 BLOCKING RLY	OEE-117-17-A Rev 11	WESTINGHOUSE AR (606B029A13) B2T	EVAL (GIP-2 SECTION 6.4.2) BH 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
BIT-08 4KV SWGR BIT BKR 08 (STBY BKR S12)	OEE-117-09 Rev 8	ITE 5HK-350 (3000 A) BIT	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25S12(B1T-08) U2 STBY BUS 1 SYNC RLY	OEE-117-09-A Rev 9	WESTINGHOUSE CVE-1 (292B353A17) BIT	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 34 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50BS12(B1T-08) U2 STBY BKR S12 INSTANTANEOUS OC RLY	OEE-117-09 Rev 8	GENERAL-ELECTRIC CHC11A21A B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BS12(B1T-08) U2 STBY BKR S12 FAIL TIMER RLY	OEE-117-09-A Rev 9	WESTINGHOUSE TD-5 (293B301A30) B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXS12(B1T-08) U2 STBY BKR S12 FAIL AUX RLY	OEE-117-09-A Rev 9	WESTINGHOUSE AR (606B029A09) B1T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94S12(B1T-08) U2 STBY BKR S12 AUX TRIP RLY	OEE-117-09-A Rev 9	WESTINGHOUSE AR (606B017A09) B1T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
CIR-S12(B1T-08) U2 STBY BKR S12 CLOSE RLY	OEE-117-09-A Rev 9	CUTLER-HAMMER D26MRD30A1 B1T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
2SBCX-1A U2 STBY BKR S12 AUX CLOSE RLY A	OEE-117-09-B Rev 3	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
2SBCX-1B U2 STBY BKR S12 AUX CLOSE RLY B	OEE-117-09-B Rev 3	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
2SDS-1A U2 STBY BKR S12 LOGIC TRIP AUX RLY	OEE-117-09-B Rev 3	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2STD-1A U2 STBY BKR S12 LOGIC TIME DELAY TRIP RLY A	OEE-117-09-B Rev 3	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
2STD-1AX U2 STBY BKR S12 LOGIC TIME DELAY TRIP AUX RLY A	OEE-117-09-B Rev 3	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 35 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2STD-1B U2 STBY BKR S12 LOGIC TIME DELAY TRIP RLY B	OEE-117-09-B Rev 3	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
2STD-1BX U2 STBY BKR S12 LOGIC TIME DELAY TRIP AUX RLY B	OEE-117-09-B Rev 3	CUTLER-HAMMER D23MRD70A1 2EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
B2T-06 4KV SWGR B2T BKR 06 (STBY BKR S22)	OEE-117-20 Rev 8	ITE 5HK-350 (3000 A) B2T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25S22(B2T-06) U2 STBY BUS 2 SYNC RLY	OEE-117-20-A Rev 8	WESTINGHOUSE CVE-1 (292B353A17) B2T	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
50BS22(B2T-06) U2 STBY BKR S22 INSTANTANEOUS OC RLY	OEE-117-20 Rev 8	GENERAL-ELECTRIC CHC11A21A B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BS22(B2T-06) U2 STBY BKR S22 FAIL TIMER RLY	OEE-117-20-A Rev 8	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXS22(B2T-06) U2 STBY BKR S22 FAIL AUX RLY	OEE-117-20-A Rev 8	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94S22(B2T-06) U2 STBY BKR S22 AUX TRIP RLY	OEE-117-20-A Rev 8	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
CIR-S22(B2T-06) U2 STBY BKR S22 CLOSE RLY	OEE-117-20-A Rev 8	CUTLER-HAMMER D26MRD30A1 B2T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
2SBCX-2A U2 STBY BKR S22 AUX CLOSE RLY A	OEE-117-20-B Rev 4	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2SBCX-2B U2 STBY BKR S22 AUX CLOSE RLY B	OEE-117-20-B Rev 4	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
2SDS-2A U2 STBY BKR S22 LOGIC TRIP AUX RLY	OEE-117-20-B Rev 4	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2STD-2A U2 STBY BKR S22 LOGIC TIME DELAY TRIP RLY A	OEE-117-20-B Rev 4	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
2STD-2AX U2 STBY BKR S22 LOGIC TIME DELAY TRIP AUV RLY A	OEE-117-20-B Rev 4	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2STD-2B U2 STBY BKR S22 LOGIC TIME DELAY TRIP RLY B	OEE-117-20-B Rev 4	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
2STD-2BX U2 STBY BKR S22 LOGIC TIME DELAY TRIP AUX RLY B	OEE-117-20-B Rev 4	CUTLER-HAMMER D23MRD70A1 2EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 38 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DIB-15/(2TC-01)/MCB 125V PPB 2DIB BKR 15 (4KV SWGR 2TC TRIP)	OEE-217-12 Rev 4	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TC-14 4KV SWGR 2TC BKR 14 (UNIT 2, FDR BUS 2)	OEE-217-25 Rev 4	ITE 5HK-350 (2000 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(2TC-14) FDR BKR 2TC-14 INSTANTANEOUS OC RLY	OEE-217-25 Rev 4	GENERAL-ELECTRIC CHC11A21A 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(2TC-14) FDR BKR 2TC-14 GROUND OC RLY	OEE-217-25 Rev 4	WESTINGHOUSE CO-6 (1876904) 2TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(2TC-14) FDR BKR 2TC-14 OC RLY (X PHASE)	OEE-217-25 Rev 4	WESTINGHOUSE CO-8 (1875267) 2TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(2TC-14) FDR BKR 2TC-14 OC RLY (Z PHASE)	OEE-217-25 Rev 4	WESTINGHOUSE CO-8 (1875267) 2TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(2TC-14) FDR BKR 2TC-14 BKR FAIL RLY	OEE-217-25 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(2TC-14) FDR BKR 2TC-14 BKR FAIL AUX RLY	OEE-217-25 Rev 4	WESTINGHOUSE AR (606B029A09) 2TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(2TC-14) FDR BKR 2TC-14 LOCKOUT RLY	OEE-217-25 Rev 4	GENERAL-ELECTRIC HEA61C240 2TC	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(2TC-14) FDR BKR 2TC-14 AUX TRIP RLY	OEE-217-25 Rev 4	WESTINGHOUSE AR (606B029A09) 2TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DIA-25/(2TC-14)/MCB 125V PPB 2DIA BKR 25 (4KV SWGR 2TC CLOSE/TRIP)	OEE-217-25 Rev 4	ITE EH2 (50 A) 2DLA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DIB-15/(2TC-14)/MCB 125V PPB 2DIB BKR 15 (4KV SWGR 2TC TRIP)	OEE-217-25 Rev 4	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TD-01 4KV SWGR 2TD BKR 01 (UNIT 2, FDR BUS 1)	OEE-217-26 Rev 3	ITE 5HK-350 (2000 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(2TD-01) FDR BKR 2TD-01 INSTANTANEOUS OC RLY	OEE-217-26 Rev 3	GENERAL-ELECTRIC CHC11A21A 2TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(2TD-01) FDR BKR 2TD-01 GROUND OC RLY	OEE-217-26 Rev 3	WESTINGHOUSE CO-6 (1876904) 2TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(2TD-01) FDR BKR 2TD-01 OC RLY (X PHASE)	OEE-217-26 Rev 3	WESTINGHOUSE CO-8 (1875267) 2TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(2TD-01) FDR BKR 2TD-01 OC RLY (Z PHASE)	OEE-217-26 Rev 3	WESTINGHOUSE CO-8 (1875267) 2TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(2TD-01) FDR BKR 2TD-01 BKR FAIL RLY	OEE-217-26 Rev 3	WESTINGHOUSE TD-5 (293B301A24) 2TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(2TD-01) FDR BKR 2TD-01 BKR FAIL AUX RLY	OEE-217-26 Rev 3	WESTINGHOUSE AR (606B029A09) 2TD	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(2TD-01) FDR BKR 2TD-01 LOCKOUT RLY	OEE-217-26 Rev 3	GENERAL-ELECTRIC HEA61C240 2TD	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 40 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
94(2TD-01) FDR BKR 2TD-01 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-26 Rev 3	WESTINGHOUSE AR (606B029A09) 2TD	EVAL (DPC 1393.00-00-0001) TB 796
2DIA-32/(2TD-01)/MCB 125V PPB 2DIA BKR 32 (4KV SWGR 2TD TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-26 Rev 3	ITE EH2 (50 A) 2DIA/PPB	NV AB 809
2DIB-32/(2TD-01)/MCB 125V PPB 2DIB BKR 32 (4KV SWGR 2TD CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-26 Rev 3	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
2TD-14 4KV SWGR 2TD BKR 14 (UNIT 2, FDR BUS 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-39 Rev 3	ITE 5HK-350 (2000 A) 2TD	NV TB 796
50B(2TD-14) FDR BKR 2TD-14 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-217-39 Rev 3	GENERAL-ELECTRIC CHC11A21A 2TD	CA TB 796
51G(2TD-14) FDR BKR 2TD-14 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-39 Rev 3	WESTINGHOUSE CO-6 (1876904) 2TD	EVAL (OSC-6642) TB 796
51X(2TD-14) FDR BKR 2TD-14 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-39 Rev 3	WESTINGHOUSE CO-8 (1875267) 2TD	EVAL (OSC-6642) TB 796
51Z(2TD-14) FDR BKR 2TD-14 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-39 Rev 3	WESTINGHOUSE CO-8 (1875267) 2TD	EVAL (OSC-6642) TB 796
62B(2TD-14) FDR BKR 2TD-14 BKR FAIL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-217-39 Rev 3	WESTINGHOUSE TD-5 (293B301A24) 2TD	CA TB 796
62BX(2TD-14) FDR BKR 2TD-14 BKR FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-39 Rev 3	WESTINGHOUSE AR (606B029A09) 2TD	EVAL (DPC 1393.00-00-0001) TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 41 of 243

SYSTEM: U2 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86(2TD-14) FDR BKR 2TD-14 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-39 Rev 3	GENERAL-ELECTRIC HEA61C240 2TD	GERS-RLY-ALO.2 L1 TB 796
94(2TD-14) FDR BKR 2TD-14 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-39 Rev 3	WESTINGHOUSE AR (606B029A09) 2TD	EVAL (DPC 1393.00-00-0001) TB 796
2DIA-32/(2TD-14)/MCB 125V PPB 2DIA BKR 32 (4KV SWGR 2TD TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-39 Rev 3	ITE EH2 (50 A) 2DIA/PPB	NV AB 809
2DIB-32/(2TD-14)/MCB 125V PPB 2DIB BKR 32 (4KV SWGR 2TD CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-39 Rev 3	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
2TE-01 4KV SWGR 2TE BKR 01 (UNIT 2, FDR BUS 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-40 Rev 4	ITE 5HK-350 (2000 A) 2TE	NV TB 796
50B(2TE-01) FDR BKR 2TE-01 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-217-40 Rev 4	GENERAL-ELECTRIC CHC11A21A 2TE	CA TB 796
51G(2TE-01) FDR BKR 2TE-01 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-40 Rev 4	WESTINGHOUSE CO-6 (1876904) 2TE	EVAL (OSC-6642) TB 796
51X(2TE-01) FDR BKR 2TE-01 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-40 Rev 4	WESTINGHOUSE CO-8 (1875267) 2TE	EVAL (OSC-6642) TB 796
51Z(2TE-01) FDR BKR 2TE-01 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-40 Rev 4	WESTINGHOUSE CO-8 (1875267) 2TE	EVAL (OSC-6642) TB 796
62B(2TE-01) FDR BKR 2TE-01 BKR FAIL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-217-40 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 2TE	CA TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62BX(2TE-01) FDR BKR 2TE-01 BKR FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-40 Rev 4	WESTINGHOUSE AR (606B029A09) 2TE	EVAL (DPC 1393.00-00-0001) TB 796
86(2TE-01) FDR BKR 2TE-01 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-40 Rev 4	GENERAL-ELECTRIC HEA61C240 2TE	GERS-RLY-ALO.2 L1 TB 796
94(2TE-01) FDR BKR 2TE-01 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-40 Rev 4	WESTINGHOUSE AR (606B029A09) 2TE	EVAL (DPC 1393.00-00-0001) TB 796
2DIB-16/(2TE-01)/MCB 125V PPB 2DIB BKR 16 (4KV SWGR 2TE TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-40 Rev 4	ITE EH2 (30 A) 2DIB/PPB	NV AB 809
2DIC-28/(2TE-01)/MCB 125V PPB 2DIC BKR 28 (4KV SWGR 2TE CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-40 Rev 4	ITE EH2 (50 A) 2DIC/PPB	NV AB 809
2TE-14 4KV SWGR 2TE BKR 14 (UNIT 2, FDR BUS 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-53 Rev 4	ITE 5HK-350 (2000 A) 2TE	NV TB 796
50B(2TE-14) FDR BKR 2TE-14 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-217-53 Rev 4	GENERAL-ELECTRIC CHC11A21A 2TE	CA TB 796
51G(2TE-14) FDR BKR 2TE-14 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-53 Rev 4	WESTINGHOUSE CO-6 (1876904) 2TE	EVAL (OSC-6642) TB 796
51X(2TE-14) FDR BKR 2TE-14 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-53 Rev 4	WESTINGHOUSE CO-8 (1875267) 2TE	EVAL (OSC-6642) TB 796
51Z(2TE-14) FDR BKR 2TE-14 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-53 Rev 4	WESTINGHOUSE CO-8 (1875267) 2TE	EVAL (OSC-6642) TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62B(2TE-14) FDR BKR 2TE-14 BKR FAIL RLY	OEE-217-53 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 2TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(2TE-14) FDR BKR 2TE-14 BKR FAIL AUX RLY	OEE-217-53 Rev 4	WESTINGHOUSE AR (606B029A09) 2TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(2TE-14) FDR BKR 2TE-14 LOCKOUT RLY	OEE-217-53 Rev 4	GENERAL-ELECTRIC HEA61C240 2TE	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(2TE-14) FDR BKR 2TE-14 AUX TRIP RLY	OEE-217-53 Rev 4	WESTINGHOUSE AR (606B029A09) 2TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2DIB-16/(2TE-14)/MCB 125V PPB 2DIB BKR 16 (4KV SWGR 2TE TRIP)	OEE-217-53 Rev 4	ITE EH2 (30 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DIC-28/(2TE-14)/MCB 125V PPB 2DIC BKR 28 (4KV SWGR 2TE CLOSE/TRIP)	OEE-217-53 Rev 4	ITE EH2 (50 A) 2DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600/208V MOTOR CONTROL

SUB SYSTEM: 208 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XA-F01AT/MCB 600V MCC 2XA BKR F01AT (208V MCC 2XA)	O-1703 Rev 33	GENERAL-ELECTRIC THED (50 A) 2XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XA-R01B/MCB 208V MCC 2XA BKR R01B (208V MCC 2XA-A)	O-1703 Rev 33	GENERAL-ELECTRIC TED (70 A) 2XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XC-F01AT/MCB 600V MCC 2XC BKR F01AT (208V MCC 2XC)	O-1703-B Rev 32	GENERAL-ELECTRIC THED (30 A) 2XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XGB-F01AT/MCB 208V MCC 2XGB BKR F01AT (208V MCC 2XGB)	O-1703-B Rev 32	GENERAL-ELECTRIC THED (100 A) 2XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XL-02BT/MCB 600V MCC 2XL BKR 02BT (208V MCC 2XL)	O-1703-D Rev 25	GENERAL-ELECTRIC THED (50 A) 2XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XN-02BT/MCB 600V MCC 2XN BKR 02BT (208V MCC 2XN)	O-1703-E Rev 27	GENERAL-ELECTRIC THED (50 A) 2XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XO-F05A/MCB 600V MCC 2XO BKR F05A (208V MCC 2XO)	O-1703-D Rev 25	GENERAL-ELECTRIC TFJ (150 A) 2XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XP-F04A/MCB 600V MCC 2XP BKR F04A (208V MCC 2XP)	O-1703-E Rev 27	GENERAL-ELECTRIC TFJ (150 A) 2XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XS1-F05AT/MCB 600V MCC 2XS1 BKR F05AT (208V MCC 2XS1)	O-1703-G Rev 47	GENERAL-ELECTRIC THED (50 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XS2-F04AT/MCB 600V MCC 2XS2 BKR F04AT (208V MCC 2XS2)	O-1703-G Rev 47	GENERAL-ELECTRIC THED (50 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 600/208V MOTOR CONTROL**

SUB SYSTEM: **208 V**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XS3-03BT/MCB 600V MCC 2XS3 BKR 03BT (208V MCC 2XS3)	O-1703-G Rev 47	GENERAL-ELECTRIC THED (30 A) 2XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XSF-F01A(208V)/MCB 208V MCC 2XSF BKR F01A (208V MCC 2XSF FEED)	O-703-K Rev 24	GENERAL-ELECTRIC THED (100 A) 2XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XSF-F04A(600V)/MCB 600V MCC 2XSF BKR F04A (208V MCC 2XSF)	O-703-K Rev 24	GENERAL-ELECTRIC THED (40 A) 2XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XSF-F02BL/(208V)/MCB 208V MCC 2XSF BKR F02BL (208V MCC 2XSF-1)	O-703-K Rev 24	GENERAL-ELECTRIC THED (70 A) 2XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 46 of 243

SYSTEM: U2 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2X01-04C 600V LC 2X01 BKR 04C (600V MCC 2XA) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (600 A) 2X01	NV TB 796
2XA-F03A/MCB 600V MCC 2XA BKR F03A (2XA NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703 Rev 33	GENERAL-ELECTRIC TB6 (600 A) 2XA	NV TB 796
2X02-06A 600V LC 2X02 BKR 06A (600V MCC 2XA) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (600 A) 2X02	NV TB 796
2XA-F04A/MCB 600V MCC 2XA BKR F04A (2XA EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703 Rev 33	GENERAL-ELECTRIC TB6 (600 A) 2XA	NV TB 796
2X02-04C 600V LC 2X02 BKR 04C (600V MCC 2XB) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (500 A) 2X02	NV TB 796
2XB-F01A 600V MCC 2XB BKR F01A (2XB NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-A Rev 27	GENERAL-ELECTRIC TB4 (400 A) 2XB	NV TB 775
2X01-06A 600V LC 2X01 BKR 06A (600V MCC 2XB) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (500 A) 2X01	NV TB 796
2XB-F03A 600V MCC 2XB BKR F03A (2XB EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-A Rev 27	GENERAL-ELECTRIC TB4 (400 A) 2XB	NV TB 775
2X03-04D 600V LC 2X03 BKR 04D (600V MCC 2XC) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (500 A) 2X03	NV TB 796
2XC-F03A/MCB 600V MCC 2XC BKR F03A (2XC NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-B Rev 32	GENERAL-ELECTRIC TB6 (600 A) 2XC	NV TB 775

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2X02-06B 600V LC 2X02 BKR 06B (600V MCC 2XC) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (500 A) 2X02	NV TB 796
2XC-F04A/MCB 600V MCC 2XC BKR F04A (2XC EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-B Rev 32	GENERAL-ELECTRIC TB6 (600 A) 2XC	NV TB 775
2X03-05A 600V LC 2X03 BKR 05A (600V MCC 2XGB) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (400 A) 2X03	NV TB 796
2XGB-F02A/MCB 600V MCC 2XGB BKR F02A (2XGB NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-B Rev 32	GENERAL-ELECTRIC TB4 (400 A) 2XGB	NV TB 796
2X02-06C 600V LC 2X02 BKR 06C (600V MCC 2XGB) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (400 A) 2X02	NV TB 796
2XGB-F03A/MCB 600V MCC 2XGB BKR F03A (2XGB EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-B Rev 32	GENERAL-ELECTRIC TB4 (400 A) 2XGB	NV TB 796
2X05-04C 600V LC 2X05 BKR 04C (600V MCC 2XI) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (600 A) 2X05	NV TB 796
2XI-01A/MCB 600V MCC 2XI BKR 01A (2XI NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-D Rev 25	GENERAL-ELECTRIC TB6 (600 A) 2XI	NV AB 809
2X04-06A 600V LC 2X04 BKR 06A (600V MCC 2XI) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (600 A) 2X04	NV TB 796
2XI-05A/MCB 600V MCC 2XI BKR 05A (2XI EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-D Rev 25	GENERAL-ELECTRIC TB6 (600 A) 2XI	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 48 of 243

SYSTEM: U2 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2X06-04C 600V LC 2X06 BKR 04C (600V MCC 2XJ) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (600 A) 2X06	NV TB 796
2XJ-01A/MCB 600V MCC 2XJ BKR 01A (2XJ NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TB6 (600 A) 2XJ	NV AB 809
2X05-06A 600V LC 2X05 BKR 06A ((600V MCC 2XJ) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (600 A) 2X05	NV TB 796
2XJ-05A/MCB 600V MCC 2XJ BKR 05A (2XJ EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TB6 (600 A) 2XJ	NV AB 809
2X05-04D 600V LC 2X05 BKR 04D (600V MCC 2XL) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (400 A) 2X05	NV TB 796
2XL-01A/MCB 600V MCC 2XL BKR 01A (2XL NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-D Rev 25	GENERAL-ELECTRIC TB4 (400 A) 2XL	NV AB 771
2X04-06B 600V LC 2X04 BKR 06B (600V MCC 2XL) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (400 A) 2X04	NV TB 796
2XL-02A/MCB 600V MCC 2XL BKR 02A (2XL EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-D Rev 25	GENERAL-ELECTRIC TB4 (400 A) 2XL	NV AB 771
2X06-04D 600V LC 2X06 BKR 04D (600V MCC 2XN) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (400 A) 2X06	NV TB 796
2XN-01A/MCB 600V MCC 2XN BKR 01A (2XN NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TB4 (400 A) 2XN	NV AB 771

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 49 of 243

SYSTEM: U2 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2X05-06C 600V LC 2X05 BKR 06C (600V MCC 2XN) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (400 A) 2X05	NV TB 796
2XN-02A/MCB 600V MCC 2XN BKR 02A (2XN EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TB4 (400 A) 2XN	NV AB 771
2X05-05A 600V LC 2X05 BKR 05A (600V MCC 2XO) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (600 A) 2X05	NV TB 796
2XO-F02A/MCB 600V MCC 2XO BKR F02A (2XO NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-D Rev 25	GENERAL-ELECTRIC TB6 (600 A) 2XO	NV AB 796
2X06-06C 600V LC 2X06 BKR 06C (600V MCC 2XO) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (600 A) 2X06	NV TB 796
2XO-F03A/MCB 600V MCC 2XO BKR F03A (2XO EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-D Rev 25	GENERAL-ELECTRIC TB6 (600 A) 2XO	NV AB 796
2X06-05A 600V LC 2X06 BKR 05A (600V MCC 2XP) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (600 A) 2X06	NV TB 796
2XP-F02A/MCB 600V MCC 2XP BKR F02A (2XP NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TB6 (600 A) 2XP	NV AB 796
2X04-06C 600V LC 2X04 BKR 06C (600V MCC 2XP) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (600 A) 2X04	NV TB 796
2XP-F03A/MCB 600V MCC 2XP BKR F03A (2XP EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-E Rev 27	GENERAL-ELECTRIC TB6 (600 A) 2XP	NV AB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

Page 50 of 243

SYSTEM: U2 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2X05-06B 600V LC 2X05 BKR 06B (600V MCC 2XR) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-04 Rev 0	ITE K1600 (400 A) 2X05	NV TB 796
2X04-05A 600V LC 2X04 BKR 05A (600V MCC 2XR) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-03 Rev 4	ITE K1600 (400 A) 2X04	NV TB 796
2XR-01A/MCB 600V MCC 2XR BKR 01A (2XR NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-C Rev 17	GENERAL-ELECTRIC TB4 (400 A) 2XR	NV AB 838
2XR-04A/MCB 600V MCC 2XR BKR 04A (2XR EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-C Rev 17	GENERAL-ELECTRIC TB4(400 A) 2XR	NV AB 838
2X08-05A 600V LC 2X08 BKR 05A (600V MCC 2XS1) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-05 Rev 3	ITE K600 (350 A) 2X08	NV AB 796
2X09-05A 600V LC 2X09 BKR 05A (600V MCC 2XS2) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-05 Rev 3	ITE K600 (350 A) 2X09	NV AB 796
2X08-05B 600V LC 2X08 BKR 05B (600V MCC 2XSF) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-216-05 Rev 3	ITE K600 (275 A) 2X08	NV AB 796
2XSF-F05A(600V)/MCB 600V MCC 2XSF BKR F05A (2XSF NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-703-K Rev 24	GENERAL-ELECTRIC TJC (400 A) 2XSF(600V)	NV SSF 817

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 51 of 243

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X01

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TC-02 4KV SWGR 2TC BKR 02 (600V XFMR 2X01)	OEE-217-13 Rev 4	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2TC-02) XFMR 2X01 UV RLY	OEE-217-13 Rev 4	WESTINGHOUSE CV-2 (1875508) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TC-02) XFMR 2X1 OC RLY (X PHASE)	OEE-217-13 Rev 4	WESTINGHOUSE CO-8 (1875277) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TC-02) XFMR 2X01 OC RLY (Z PHASE)	OEE-217-13 Rev 4	WESTINGHOUSE CO-8 (1875277) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TC-02) XFMR 2X01 GROUND OC RLY	OEE-217-13 Rev 4	ITE GR-5 (202D6141) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2X01-04A 600V LC 2X01 BKR 04A (2X01 NORM FDR BKR)	O-1703 Rev 33	ITE K2000 (2000 A) 2X01	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2X01) 600V LC 2X01 UV RLY	OEE-216-02 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(2X01) 600V LC 2X01 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(2X01) 600V LC 2X01 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(2X01) 600V LC 2X01 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X01

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DID-13/MCB 125V PPB 2DID BKR 13 (600V LC 2X1)	OEE-216-02 Rev 1	ITE EH2 (20 A) 2DID/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 53 of 243

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X02

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TD-02 4KV SWGR 2TD BKR 02 (600V XFMR 2X02)	OEE-217-27 Rev 6	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2TD-02) XFMR 2X02 UV RLY	OEE-217-27 Rev 6	WESTINGHOUSE CV-2 (1875508) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TD-02) XFMR 2X02 OC RLY (X PHASE)	OEE-217-27 Rev 6	WESTINGHOUSE CO-8 (1875277) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TD-02) XFMR 2X02 OC RLY (Z PHASE)	OEE-217-27 Rev 6	WESTINGHOUSE CO-8 (1875277) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TD-02) XFMR 2X02 GROUND OC RLY	OEE-217-27 Rev 6	ITE GR-5 (202D6141) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2X02-04A 600V LC 2X02 BKR 04A (2X02 NORM FDR BKR)	OEE-216-03 Rev 4	ITE K2000 (2000 A) 2X02	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2X02) 600V LC 2X02 UV RLY	OEE-216-02 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(2X02) 600V LC 2X02 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(2X02) 600V LC 2X02 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(2X02) 600V LC 2X02 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **2X02**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

27X5(2X02) 600V LC 2X02 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X02	CA TB 796
---------------------------------------	------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2DIC-16/MCB 125V PPB 2DIC BKR 16 (600V LC 2X2)	OEE-216-02 Rev 1	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 55 of 243

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X03

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TE-02 4KV SWGR 2TE BKR 02 (600V XFMR 2X03) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-41 Rev 5	ITE 5HK-350 (1200 A) 2TE	NV TB 796
27(2TE-02) XFMR 2X03 UV RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-41 Rev 5	WESTINGHOUSE CV-2 (1875508) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51X(2TE-02) XFMR 2X03 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-41 Rev 5	WESTINGHOUSE CO-8 (1875277) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(2TE-02) XFMR 2X03 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-41 Rev 5	WESTINGHOUSE CO-8 (1875277) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(2TE-02) XFMR 2X03 GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-41 Rev 5	ITE GR-5 (202D6141) 2TE	NV TB 796
2X03-04A 600V LC 2X03 BKR 04A (2X03 NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1703-B Rev 32	ITE K2000 (2000 A) 2X03	NV TB 796
27(2X03) 600V LC 2X03 UV RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-216-02 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X03	CA TB 796
27X(2X03) 600V LC 2X03 AUX UV RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X03	CA TB 796
27X1(2X03) 600V LC 2X03 UV AUX RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X03	CA TB 796
27X2(2X03) 600V LC 2X03 UV AUX RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X03	CA TB 796

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X03

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2DID-14/MCB 125V PPB 2DIB BKR 14 (600V LC 2X3)	OEE-216-02 Rev 1	ITE EH2 (20 A) 2DID/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 57 of 243

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X04

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TC-03 4KV SWGR 2TC BKR 03 (600V XFMR 2X04)	OEE-217-14 Rev 4	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(2TC-03) 600V XFMR 2X4 OVER CURRENT RELAY	OEE-217-14 Rev 4	WESTINGHOUSE CO-8 (1875277) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TC-03) 600V XFMR 2X4 OVER CURRENT RELAY	OEE-217-14 Rev 4	WESTINGHOUSE CO-8 (1875277) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TC-03) XFMR 2X04 GROUND OC RLY	OEE-217-14 Rev 4	ITE GR-5 (202D6141) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TX4-1(2TC-03) XFMR 2X4 LOAD SHED SEQUENCE TO RECLOSE RLY	OEE-217-14-A Rev 0	CUTLER-HAMMER D26MRD40A1/D87XEL30 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2TX4-1A(2TC-03) XFMR 2X4 LOAD SHED SEQUENCE TO RECLOSE AUX RLY	OEE-217-14-A Rev 0	CUTLER-HAMMER D26MRD40A1/D87XEL30 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2TX4-2(2TC-12) XFMR 2X4 LOAD SHED SEQUENCE TO RECLOSE RLY	OEE-217-23-A Rev 0	CUTLER-HAMMER D26MRD40A1/D87XEL30 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2TX4-2A(2TC-03) XFMR 2X4 LOAD SHED SEQUENCE TO RECLOSE AUX RLY	OEE-217-23-A Rev 0	CUTLER-HAMMER D26MRD40A1/D87XEL30 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2X04-04A 600V LC 2X04 BKR 04A (FEEDER FROM XFMR 2X4)	O-1703-C Rev 17	ITE K2000 (2000 A) 2X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2X04) 2X4 UV RLY	OEE-216-02 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **2X04**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X(2X04) 2X4 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X2(2X04) 2X4 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(2X04) 2X4 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(2X04) 2X4 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2DIC-17/MCB 125V PPB 2DIC BKR 16 (600V LC 2X4)	OEE-216-02 Rev 1	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X05

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TD-03 4KV SWGR 2TD BKR 03 (600V XFMR 2X05)	OEE-217-28 Rev 4	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(2TD-03) XFMR 2X05 OC RLY (X PHASE)	OEE-217-28 Rev 4	WESTINGHOUSE CO-8 (1875277) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TD-03) XFMR 2X05 OC RLY (Z PHASE)	OEE-217-28 Rev 4	WESTINGHOUSE CO-8 (1875277) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TD-03) XFMR 2X05 GROUND OC RLY	OEE-217-28 Rev 4	ITE GR-5 (202D6141) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TX5A(2TD-03) LOADSHED CONTROL TIMING RLY (XFMR 2X5)	OEE-217-28-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 2TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2TX5B(2TD-03) LOADSHED CONTROL TIMING RLY (XFMR 2X5)	OEE-217-28-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 2TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2X5A(2TD-03) LOADSHED CONTROL RLY (XFMR 2X05)	OEE-217-28-A Rev 0	CUTLER-HAMMER D26MRD70A1 2TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
2X5B(2TD-03) LOADSHED CONTROL RLY (XFMR 2X05)	OEE-217-28-A Rev 0	CUTLER-HAMMER D26MRD70A1 2TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
2X05-04A 600V LC 2X05 BKR 04A (2X05 NORM FDR BKR)	O-1703-D Rev 25	ITE K2000 (2000 A) 2X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2X05) 600V LC 2X05 UV RLY	OEE-216-02 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X05

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X(2X05) 600V LC 2X05 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(2X05) 600V LC 2X05 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X2(2X05) 600V LC 2X05 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(2X05) 600V LC 2X05 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(2X05) 600V LC 2X05 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X05	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2DID-15/MCB 125V PPB 2DID BKR 15 (600V LC 2X5)	OEE-216-02 Rev 1	ITE EH2 (20 A) 2DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X06

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TE-03 4KV SWGR 2TE BKR 03 (600V XFMR 2X06)	OEE-217-42 Rev 3	ITE 5HK-350 (1200 A) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(2TE-03) XFMR 2X06 OC RLY (X PHASE)	OEE-217-42 Rev 3	WESTINGHOUSE CO-8 (1875277) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TE-03) XFMR 2X06 OC RLY (Z PHASE)	OEE-217-42 Rev 3	WESTINGHOUSE CO-8 (1875277) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TE-03) XFMR 2X06 GROUND OC RLY	OEE-217-42 Rev 3	ITE GR-5 (202D6141) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TX6A(2TE-03) LOADSHED CONTROL TIMING RLY (XFMR 2X6)	OEE-217-42-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 2TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2TX6B(2TE-03) LOADSHED CONTROL TIMING RLY (XFMR 2X6)	OEE-217-42-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 2TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2X6A(2TE-03) LOADSHED CONTROL RLY (XFMR 2X06)	OEE-217-42-A Rev 0	CUTLER-HAMMER D26MRD70A1 2TE	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
2X6B(2TE-03) LOADSHED CONTROL RLY (XFMR 2X06)	OEE-217-42-A Rev 0	CUTLER-HAMMER D26MRD70A1 2TE	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
2X06-04A 600V LC 2X06 BKR 04A (2X06 NORM FDR BKR)	O-1703-E Rev 27	ITE K2000 (2000 A) 2X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2X06) 600V LC 2X06 UV RLY	OEE-216-02 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X06

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X(2X06) 600V LC 2X06 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(2X06) 600V LC 2X06 AUX UV RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X2(2X06) 600V LC 2X06 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(2X06) 600V LC 2X06 UV AUX RLY	OEE-216-02 Rev 1	GENERAL-ELECTRIC HFA51A42F 2X06	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2DIC-18/MCB 125V PPB 2DIC BKR 18 (600V LC 2X6)	OEE-216-02 Rev 1	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X08

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TC-13 4KV SWGR 2TC BKR 13 (600V XFMR 2X08)	OEE-217-24 Rev 3	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(2TC-13) XFMR 2X08 OC RLY (X PHASE)	OEE-217-24 Rev 3	WESTINGHOUSE CO-8 (1875277) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TC-13) XFMR 2X08 OC RLY (Z PHASE)	OEE-217-24 Rev 3	WESTINGHOUSE CO-8 (1875277) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TC-13) XFMR 2X08 GROUND OC RLY	OEE-217-24 Rev 3	ITE GR-5 (202D6141) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2X08-04A 600V LC 2X08 BKR 04A (2X08 NORM FDR BKR)	O-1703-G Rev 47	ITE K1600 (1600 A) 2X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2X08) 600V LC 2X08 UV RLY	OEE-216-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X(2X08) 600V LC 2X08 AUX UV RLY	OEE-216-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X1(2X08) 600V LC 2X08 UV AUX RLY	OEE-216-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
2DIA-03/MCB 125V PPB 2DIA BKR 03 (600V LC 2X8)	OEE-216-01 Rev 1	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

Page 64 of 243

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X09

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TD-13 4KV SWGR 2TD BKR 13 (600V XFMR 2X09)	OEE-217-38 Rev 7	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(2TD-13) XFMR 2X09 OC RLY (X PHASE)	OEE-217-38 Rev 7	WESTINGHOUSE CO-8 (1875277) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TD-13) XFMR 2X09 OC RLY (Z PHASE)	OEE-217-38 Rev 7	WESTINGHOUSE CO-8 (1875277) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TD-13) XFMR 2X09 GROUND OC RLY	OEE-217-38 Rev 7	ITE GR-5 (202D6141) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2X09-04A 600V LC 2X09 BKR 04A (2X09 NORM FDR BKR)	O-1703-G Rev 47	ITE K1600 (1600 A) 2X09	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2X09) 600V LC 2X09 UV RLY	OEE-216-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 2X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X(2X09) 600V LC 2X09 AUX UV RLY	OEE-216-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 2X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X1(2X09) 600V LC 2X09 UV AUX RLY	OEE-216-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 2X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
2DIB-20/MCB 125V PPB 2DIB BKR 20 (600V LC 2X9)	OEE-216-01 Rev 1	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 600V PWR (LOAD CENTERS)

SUB SYSTEM: 2X10

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TE-12 4KV SWGR 2TE BKR 12 (600V XFMR 2X10)	OEE-217-51 Rev 2	ITE 5HK-350 (1200 A) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(2TE-12) XFMR 2X10 OC RLY (X PHASE)	OEE-217-51 Rev 2	WESTINGHOUSE CO-5 (1875241) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TE-12) XFMR 2X10 OC RLY (Z PHASE)	OEE-217-51 Rev 2	WESTINGHOUSE CO-5 (1875241) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TE-12) XFMR 2X10 GROUND OC RLY	OEE-217-51 Rev 2	ITE GR-5 (202D6141) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**
 SUB SYSTEM: **FWPT A Controls**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

2MSVA0040

FWPT STOP VALVE

2FDWPS0246 FWP 2A SUCTION PRESS SWITCH (2MS-40)	OEE-246-00-A Rev 1	UNITED ELECTRIC UE-J6-670 2SGFP	CA TB 775
--	--------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2FDWPS0255 FWPT 2A DISCHARGE PRESSURE (HIGH) SWITCH	OEE-246-17 Rev 5	MELETRON CO. ME-312-6SS49A 2MC-2	CA TB 775
---	------------------	--	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS170-A(PS1A) FWPT 2A STOP VALVE RESET (2MS-40)	OEE-246 Rev 9	SQUARE-D AGS11-9013 2FDWTR0001	CA TB 775
---	---------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

2TOPS171-A(PS2A) FWPT 2A ACTIVE THRUST BEARING WEAR	OEE-246 Rev 9	SQUARE-D ALG5-9013 2FDWTR0001	CA TB 775
--	---------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS179-A(PS11A) FWPT 2A TRIP SOLENOID BLOCKED (2MS-40)	OEE-246 Rev 9	SQUARE-D AGS11-9013 2FDWTR0001	CA TB 775
---	---------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS180-A(PS12A) FWPT 2A THRUST BEARING WEAR	OEE-246 Rev 9	SQUARE-D ALG5-9013 2FDWTR0001	CA TB 775
--	---------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS302-A(PS19A) FWPT 2A BEARING OIL PRESS LOW (2MS-40)	OEE-246 Rev 9	SQUARE-D 9012-CAW-22 2FDWTR0002	CA TB 775
---	---------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

OLT/LOWLEVELA/U2(2TOLS0626) OIL LEVEL TRIP SWITCH (2MS-40)	OEE-246 Rev 9	MAGNETROL TF21-F-M4 2FDWTR0001	CA TB 775
---	---------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2PS255X FWPT CONTROL RLY (FWPT 2A CONTROLS) (2MS-40)	OEE-246-17 Rev 5	STRUTHERS-DUNN 219ABAP 2TTC4	CA TB 796
--	------------------	------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condensate
 SUB SYSTEM: FWPT A Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
FPTX/U2 FWPT TRIP AUX RLY	OEE-221-44 Rev 5	CUTLER-HAMMER D23MRD21A1 2EHTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
SPTDA/U2 SUCTION PRESS TRIP DELAY TIMER (2MS-40)	OEE-246-00-A Rev 1	AGASTAT 7012 PC 2SGFP	CA TB 775
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2DIA-06/MCB 125V PPB 2DIA BKR 06 (FWPT TRIP RLY FPTX/U2)	OEE-221-44 Rev 5	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2DP-F06BR/MCB 125/250V DC 2DP BKR F06BR (FWPT 2A MISC CONT) (2MS-40)	OEE-246 Rev 9	GENERAL-ELECTRIC THEF (50 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condensate
 SUB SYSTEM: FWPT B Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2MSVA0043

FWPT STOP VALVE

2FDWPS0248 FWP 2B SUCTION PRESS SWITCH (2MS-40)	OEE-246-01-A Rev 2	UNITED ELECTRIC UE-J6-670 2SGFP	CA TB 775
--	--------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2FDWPS0256 FWPT 2B DISCHARGE PRESSURE (HIGH) SWITCH	OEE-246-18 Rev 4	MELETRON CO. 312-6SS-49A 2MC-1	CA TB 775
--	------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS186-A(PS1A) FWPT 2B STOP VALVE RESET PRESS SWITCH (2MS-43)	OEE-246-01 Rev 10	SQUARE-D AGS11-9013 2FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

2TOPS187-A(PS2A) FWPT 2B THRUST BEARING WEAR TRIP (2MS-43)	OEE-246-01 Rev 10	SQUARE-D ALG5-9013 2FDWTR0002	CA TB 775
---	-------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS195-A(PS11A) FWPT 2B TRIP SOLENOID BLOCKED (2MS-43)	OEE-246-01 Rev 10	SQUARE-D AGS11-9013 2FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS196-A(PS12A) FWPT 2B INACTIVE THRUST BEARING WEAR (2MS-43)	OEE-246-01 Rev 10	SQUARE-D ALG5-9013 2FDWTR0002	CA TB 775
---	-------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2TOPS303-A(PS19A) FWPT 2B BEARING OIL PRESS LOW (2MS-43)	OEE-246-01 Rev 10	SQUARE-D 9012-CAW-22 2FDWTR0002	CA TB 775
---	-------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

OLT/LOWLEVELB/U2(2TOLS0627) OIL LEVEL TRIP SWITCH (2MS-43)	OEE-246-01 Rev 10	MAGNETROL TF21-F-M4 2FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2PS256X FWPT CONTROL RLY (FWPT 2B CONTROLS) (2MS-43)	OEE-246-18 Rev 4	STRUTHERS-DUNN 219ABAP 2TTC4	CA TB 796
--	------------------	------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**
 SUB SYSTEM: **FWPT B Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
SPTDB/U2 SUCTION PRESS TRIP DELAY TIMER (2MS-43)	OEE-246-01-A Rev 2	AGASTAT 7012 PC 2SGFP	CA TB 775
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2DP-F06DC/MCB 125/250V DC 2DP BKR F06DC (FWPT 2B MISC CONT) (2MS-43)	OEE-246-01 Rev 10	GENERAL-ELECTRIC THEF (50 A) 2DP	NV TB 796

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CPU0010			
HOTWELL PUMP 2A			
2TC-07 4KV SWGR 2TC BKR 07 (HWP 2A)	OEE-217-18 Rev 8	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2TC-07) HOTWELL PUMP 2A UV RLY	OEE-217-18 Rev 8	WESTINGHOUSE CV-2 (1875508) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TC-07) HOTWELL PUMP 2A OC RLY (X PHASE)	OEE-217-18 Rev 8	WESTINGHOUSE CO-5 (1875241) 2TC	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50-51Z(2TC-07) HOTWELL PUMP 2A OC RLY (Z PHASE)	OEE-217-18 Rev 8	WESTINGHOUSE CO-5 (1875241) 2TC	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(2TC-07) HOTWELL PUMP 2A GROUND OC RLY	OEE-217-18 Rev 8	ITE GR-5 (202D6141) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CPU0011			
HOTWELL PUMP 2B			
2TD-06 4KV SWGR 2TD BKR 06 (HWP 2B)	OEE-217-31 Rev 7	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2TD-06) HOTWELL PUMP 2B UV RLY	OEE-217-31 Rev 7	WESTINGHOUSE CV-2 (1875508) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TD-06) HOTWELL PUMP 2B OC RLY (X PHASE)	OEE-217-31 Rev 7	WESTINGHOUSE CO-5 (1875241) 2TD	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51Z(2TD-06) HOTWELL PUMP 2B OC RLY (Z PHASE)	OEE-217-31 Rev 7	WESTINGHOUSE CO-5 (1875241) 2TD	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(2TD-06) HOTWELL PUMP 2B GROUND OC RLY	OEE-217-31 Rev 7	ITE GR-5 (202D6141) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CPU0012			
HOTWELL PUMP 2C			
2TE-06 4KV SWGR 2TE BKR 06 (HWP 2C)	OEE-217-45 Rev 7	ITE 5HK-350 (1200 A) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2TE-06) HOTWELL PUMP 2C UV RLY	OEE-217-45 Rev 7	WESTINGHOUSE CV-2 (1875508) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TE-06) HOTWELL PUMP 2C OC RLY (X PHASE)	OEE-217-45 Rev 7	WESTINGHOUSE CO-5 (1875241) 2TE	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50-51Z(2TE-06) HOTWELL PUMP 2C OC RLY (Z PHASE)	OEE-217-45 Rev 7	WESTINGHOUSE CO-5 (1875241) 2TE	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(2TE-06) HOTWELL PUMP 2C GROUND OC RLY	OEE-217-45 Rev 7	ITE GR-5 (202D6141) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2CVA0152

UST RISER ISOLATION

CX1/U2 UST BOTTOM TIE VALVE CONT RLY	OEE-245-54 Rev 13	CUTLER-HAMMER D23MR44A 2MTC3	GERS-RLY-AI2.4 AB 809
---	-------------------	------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

2XGA-F08D/(2C-152)/MS 208V MCC 2XGA-F08D STARTER (2C-152)	OEE-245-33 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2KC-16/MCB 120V PPB 2KC BKR 16 (CONDENSATE MISC CONTROLS)	OEE-245-54 Rev 13	GENERAL-ELECTRIC TQL (20A) 2KC	NV TB 796
---	-------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2XGA-F08D/(2C-152)/MCB 208V MCC 2XGA BKR F08D (2C-152)	OEE-245-33 Rev 1	GENERAL-ELECTRIC TED (15/35 A) 2XGA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2CVA0153

UST RISER ISOLATION

2XGA-F07D/(2C-153)/MS 208V MCC 2XGA-F07D STARTER (2C-153)	OEE-245-33 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XGA-F07D/(2C-153)/MCB 208V MCC 2XGA BKR F07D (2C-153)	OEE-245-33 Rev 1	GENERAL-ELECTRIC TED (15/35 A) 2XGA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2CVA0156

UST RISER ISOLATION

2XGA-R01D/(2C-156)/MS 208V MCC 2XGA-R01D STARTER (2C-156)	OEE-245-34 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XGA-R01D/(2C-156)/MCB 208V MCC 2XGA BKR R01D (2C-156)	OEE-245-34 Rev 1	GENERAL-ELECTRIC TED (28/68 A) 2XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CVA0158 UST RISER ISOLATION			
2XGA-R07C/(2C-158)/MS 208V MCC 2XGA-R07C STARTER (2C-158)	OEE-245-35 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XGA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XGA-R07C/(2C-158)/MCB 208V MCC 2XGA BKR R07C (2C-158)	OEE-245-35 Rev 1	GENERAL-ELECTRIC TED (65/165 A) 2XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CVA0160 UST SUPPLY ISO TO TDEFWP			
2XC-R03C/(2C-160)/MS 208V MCC 2XC-R03C STARTER (2C-160)	OEE-245-37 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XC	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XC-R03C/(2C-160)/MCB 208V MCC 2XC BKR R03C (2C-160)	OEE-245-37 Rev 1	GENERAL-ELECTRIC TED (28/68 A) 2XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CVA0176 UST TO COND ISOL VALVE			
2CPS0015 UST MAKEUP LEVEL CONTROL (PS-15)	OEE-245-72 Rev 0	ITT BARTON 581A-2 2CPS0015	CNA TB 838
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves C-176,C-187, And C-192.</i>			
2CPS0036 UST MAKEUP LEVEL CONTROL (PS-36)	OEE-245-72 Rev 0	ITT BARTON 581A-2 2CPS0036	CNA TB 838
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves C-176,C-187, And C-192.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BRA/U2 UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-72 Rev 0	CUTLER-HAMMER D26MR22A 2AT3	GERS-RLY-AI2.4 AB 809
BRB/U2 UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-72 Rev 0	CUTLER-HAMMER D26MR22A 2AT3	GERS-RLY-AI2.4 AB 809
2KA-28/MCB(Condensate) 120V PPB 2KA BKR 28 (UST MAKEUP C-176,C-187, & C-192) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-73 Rev 0	GENERAL-ELECTRIC TQL (20A) 2KA	NV TB 775
2SKK-24/MCB(Condensate) 120V PPB 2SKK BKR 24 (UST MAKEUP C-176,C-187, & C-192) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-72 Rev 0	SQUARE-D QOB (20 A) 2SKK	NV AB 809
2CVA0225			
POL DEMIN ISOL VALVE (BACKWASH INLET W/A VALVE)			
CR-115 POL DEMIN ISOL VALVE C-225 AUX RELAY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
CR-128 POL DEMIN ISOL AUX RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
CR-137 POL DEMIN ISOL VALVE C-225 AUX RELAY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
2CVA0232			
POL DEMIN ISOL VALVE (DRAIN U/A VALVE)			
CR-114 POL DEMIN ISOL VALVE C-232 AUX RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR-136 POL DEMIN ISOL VALVE C-232 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-101 POL DEMIN ISOL AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-102 POL DEMIN ISOL VALVE C-232 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2CVA0233			
POL DEMIN ISOL VALVE (BACKWASH INLET W/B VALVE)			
CR-117 POL DEMIN ISOL VALVE C-233 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-139 POL DEMIN ISOL VALVE C-233 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2CVA0237			
POL DEMIN ISOL VALVE (DRAIN U/B VALVE)			
CR-116 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERs-RLY-ARS.4 TB 771
<i>GERs - Seismically Adequate Per GERs.</i>			
CR-138 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-103 POL DEMIN ISOL AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

LR-104 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
--	--------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

2CVA0240

POL DEMIN ISOL VALVE (BACKWASH INLET W/C VALVE)

CR-119 POL DEMIN ISOL VALVE C-240 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
--	--------------------	---	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

CR-141 POL DEMIN ISOL VALVE C-240 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
--	--------------------	---	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2CVA0244

POL DEMIN ISOL VALVE (DRAIN U/C VALVE)

CR-118 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERs-RLY-ARS.4 TB 771
--	--------------------	---	-----------------------------

GERs - Seismically Adequate Per GERs.

CR-140 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
--	--------------------	---	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

LR-105 POL DEMIN ISOL AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
------------------------------------	--------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

LR-106 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
--	--------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

2CVA0247

POL DEMIN ISOL VALVE (BACKWASH INLET W/D VALVE)

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR-121 POL DEMIN ISOL VALVE C-247 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-143 POL DEMIN ISOL VALVE C-247 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2CVA0251			
POL DEMIN ISOL VALVE (DRAIN U/D VALVE)			
CR-120 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-142 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-107 POL DEMIN ISOL AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-108 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2CVA0254			
POL DEMIN ISOL VALVE (BACKWASH INLET W/E VALVE)			
CR-123 POL DEMIN ISOL VALVE C-254 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-145 POL DEMIN ISOL VALVE C-254 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2CVA0258

POL DEMIN ISOL VALVE (DRAIN U/E VALVE)

CR-122 POL DEMIN ISOL VALVE C-258 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
--	--------------------	---	-----------------------------

GERS - Seismically Adequate Per GERS.

CR-144 POL DEMIN ISOL VALVE C-258 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 219BBXP 1&2 POWDEX PANEL	CA TB 771
--	--------------------	---	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

LR-109 POL DEMIN ISOL AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
------------------------------------	--------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

LR-110 POL DEMIN ISOL VALVE C-258 AUX RELAY	OM 1225A-3 Rev EDF	STRUTHERS DUNN 255XCXP 1&2 POWDEX PANEL	EVAL (OSC-6642) TB 771
--	--------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

2CVA0391

HOTWELL SUPPLY ISOL TO TDEFW

2XC-R02C/(2C-391)/MS 208V MCC 2XC-R02C STARTER (2C-391)	OEE-245-36 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XC	EVAL (MCC QUAL) TB 775
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XC-R02C/(2C-391)/MCB 208V MCC 2XC BKR R02C (2C-391)	OEE-245-36 Rev 1	GENERAL-ELECTRIC TED (15/35 A) 2XC	NV TB 775
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condensate DC Interlocks

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CPS0227 CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-245-00-A Rev 9	MELETRON CO. 2121-32A 2CPS0227	CA TB 775
2TOPS0176B FWPT 2A BEARING OIL PRESS LOW <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>	OEE-245-00-A Rev 9	SQUARE D ALG3-9013-DR 2A TBOX EH	CNA TB 775
2TOPS0192B FWPT 2B BEARING OIL PRESS LOW <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>	OEE-245-00-A Rev 9	SQUARE D ALG3-9013-DR 2B TBOX EH	CNA TB 775
2R01 FWPT 2A BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-00-A Rev 9	CUTLER-HAMMER D23MRD07A1 2MTC2	GERS-RLY-AI2.4 AB 809
2R02 FWPT 2A BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-00-A Rev 9	CUTLER-HAMMER D23MRD70A1 2MTC2	GERS-RLY-AI2.4 AB 809
2R03 FWPT 2B BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-00-A Rev 9	CUTLER-HAMMER D23MRD70A1 2MTC2	GERS-RLY-AI2.4 AB 809
2R04 FWPT 2B BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-00-A Rev 9	CUTLER-HAMMER D23MRD07A1 2MTC2	GERS-RLY-AI2.4 AB 809
2R07 CBP SUCTION HEADER LOW PRESSURE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-245-00-A Rev 9	CUTLER-HAMMER D23MRD70A1 2MTC2	CA AB 809
2R09 FWP 2A SUCTION VALVE CLOSED RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-00-A Rev 9	CUTLER-HAMMER D23MRD70A1 2MTC2	GERS-RLY-AI2.4 AB 809
2R10 FWP 2A SUCTION VALVE CLOSED RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-00-A Rev 9	CUTLER-HAMMER D23MRD07A1 2MTC2	GERS-RLY-AI2.4 AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 80 of 243

SYSTEM: U2 Condensate DC Interlocks

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DIA-20/MCB 125V PPB 2DIA BKR 20 (COND DC INTLKS)	OEE-245-00-A Rev 9	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWPS0251 FEEDWATER PUMP 2A DISCHARGE PRESS LOW	OEE-245-00-B Rev 9	STATIC-O-RING 9NN-K45-N4-F1A 2MC-2	CNA TB 775
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>			
2FDWPS0253 FEEDWATER PUMP 2B DISCHARGE PRESS LOW	OEE-245-00-B Rev 9	STATIC-O-RING 9NN-K45-N4-F1A 2MC-1	CNA TB 775
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>			
2R11 FWP 2B SUCTION VALVE CLOSED RLY	OEE-245-00-B Rev 9	CUTLER-HAMMER D23MRD70A1 2MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2R12 FWP 2B SUCTION VALVE CLOSED RLY	OEE-245-00-B Rev 9	CUTLER-HAMMER D23MRD07A1 2MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2R13 FWP DISCHARGE HEADER LOW PRESSURE RLY	OEE-245-00-B Rev 9	CUTLER-HAMMER D23MRD70A1 2MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2R14 FWP DISCHARGE HEADER LOW PRESSURE RLY	OEE-245-00-B Rev 9	CUTLER-HAMMER D23MRD07A1 2MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2R251 FWP 2A DISCHARGE HEADER LOW PRESSURE RLY	OEE-245-00-B Rev 9	CUTLER-HAMMER D26MRD40A1 2MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2R253 FWP 2B DISCHARGE HEADER LOW PRESSURE RLY	OEE-245-00-B Rev 9	CUTLER-HAMMER D26MRD40A1 2MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27/2DIA20A PWR MONITORING RLY (Condensate Support)	OEE-245-00-C Rev 0	CUTLER-HAMMER D23MRD70A1 2MTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2EDO EM CCW DISCH VALVES OPEN RLY	OEE-236-03 Rev 4	STRUTHERS-DUNN 219ABAP 2MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2ETPR1 U2 EM TRIP PUMP RESTART TIMER	OEE-236-01 Rev 5	CUTLER-HAMMER D40RR22A1 2MTC1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Momentarily BlockTripping Of CCW Pumps By ETX Relay .</i>			
2ETX EM TRIP AUX RLY	OEE-236-01 Rev 5	STRUTHERS-DUNN 219BBXP 2MTC1	GERS-RLY-ARS.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2ETX1 EM TRIP AUX RLY	OEE-236-01 Rev 5	STRUTHERS-DUNN 219BBXP 2MTC1	GERS-RLY-ARS.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2POX NORM & EM CONT PRIMING CNTLS	OEE-236-03 Rev 4	CUTLER-HAMMER D23MRD70A1 2MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
2POX1 ALL CCWP OFF AUX RLY	OEE-236-03 Rev 4	CUTLER-HAMMER D23MRD804A 2MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2POX1T CCW SYS CONTROL RLY	OEE-236-03 Rev 4	CUTLER-HAMMER D23MRD30A1 2MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
2POX2 CCW SYS CONTROL RLY	OEE-236-03 Rev 4	AGASTAT 7012 PE 2MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
2UPOX CCW SYSTEM CONT RLY	OEE-236-03 Rev 4	CUTLER-HAMMER D40RR34A1 2MTC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves.</i>			
CCWPX/2A CCW PUMP 2A AUX RLY	OEE-236-01 Rev 5	CUTLER-HAMMER D26MRD704A1 2MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 82 of 243

SYSTEM: U2 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CCWPX/2B CCW PUMP 2B AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-236-01 Rev 5	CUTLER-HAMMER D26MRD704A1 2MTC1	GERS-RLY-AI2.4 AB 809
CCWPX/2C CCW PUMP 2C AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-236-01 Rev 5	CUTLER-HAMMER D26MRD704A1 2MTC1	GERS-RLY-AI2.4 AB 809
CCWPX/2D CCW PUMP 2D AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-236-01 Rev 5	CUTLER-HAMMER D26MRD704A1 2MTC1	GERS-RLY-AI2.4 AB 809
S-191/2ET CCW EM TRIP RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-236-01 Rev 5	GENERAL-ELECTRIC HEA61C246 2AB3	GERS-RLY-ALO.2 AB 822
2DIA-19/MCB 125V PPB 2DIA BKR 19 (CCW AND VAC PRIMING) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-236-01 Rev 5	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
CRIP/AH/U2 CCW INLET PIPE A HIGH POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-236-13 Rev 2	B/W CONTROLS LH 2TB-1111	CA YD 796
CRIP/AM/U2 CCW INLET PIPE A MID POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-236-13 Rev 2	B/W CONTROLS LH 2TB-1112	CA YD 796
CRIPX/AH/U2 CCW PIPE A HIGH POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-236-13 Rev 2	CUTLER-HAMMER D23MR40 2MTC1	CA AB 809
CRIPX/AM/U2 CCW PIPE A MID POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-236-13 Rev 2	CUTLER-HAMMER D23MR40 2MTC1	CA AB 809
2KVID-03/MCB 120V PPB 2KVID BKR 03 (CCW WATER LVL CONTROLS) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-236-13 Rev 2	ITE QP1 (20 A) 2KVID	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CRIP/BH/U2 CCW INLET PIPE B HIGH POINT LEVEL SENSOR	OEE-236-14 Rev 4	B/W CONTROLS LH 2TB-1111	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
CRIP/BM/U2 CCW INLET PIPE B MID POINT LEVEL SENSOR	OEE-236-14 Rev 4	B/W CONTROLS LH 2TB-1112	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
CRIPX/BH/U2 CCW PIPE B HIGH POINT CONT RLY	OEE-236-14 Rev 4	CUTLER-HAMMER D23MR40 2MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
CRIPX/BM/U2 CCW PIPE B MID POINT CONT RLY	OEE-236-14 Rev 4	CUTLER-HAMMER D23MR40 2MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2POX3 ONLY 1 CCW PUMP OPER IN STAT AUX RLY	OEE-236-16 Rev 4	CUTLER-HAMMER D23MR80A 2MTC1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
2POX4 CCW TIME DELAY RLY	OEE-236-16 Rev 4	AGASTAT 2412 AD 2MTC1	GERs-RLY-PNT.7 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
2POX5 CCW SYS CONTROL RLY	OEE-236-16 Rev 4	CUTLER-HAMMER D26MR40A 2MTC1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
POL/AH/U2 CCW WATER LEVEL LATCHING RLY	OEE-236-15 Rev 1	CUTLER-HAMMER D23MR222A 2MTC1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
POL/AM/U2 CCW WATER LEVEL LATCHING RLY	OEE-236-15 Rev 1	CUTLER-HAMMER D23MR222A 2MTC1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
POL/BH/U2 CCW WATER LEVEL LATCHING RLY	OEE-236-15 Rev 1	CUTLER-HAMMER D23MR222A 2MTC1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condenser Circulating Water**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
POL/BM/U2 CCW WATER LEVEL LATCHING RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-236-15 Rev 1	CUTLER-HAMMER D23MR222A 2MTC1	GERS-RLY-AI2.4 AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condenser Circulating Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CCWPU0001 CCW PUMP 2A			
2TC-04 4KV SWGR 2TC BKR 04 (CCWP 2A)	OEE-217-15 Rev 2	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2TC-04) CCW PUMP 2A UV RLY	OEE-217-15 Rev 2	WESTINGHOUSE CV-2 (1875508) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TC-04) CCW PUMP 2A OC RLY (X PHASE)	OEE-217-15 Rev 2	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TC-04) CCW PUMP 2A OC RLY (Z PHASE)	OEE-217-15 Rev 2	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TC-04) CCW PUMP 2A GROUND OC RLY	OEE-217-15 Rev 2	ITE GR-5 (202D6141) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CCWPU0002 CCW PUMP 2B			
2TD-04 4KV SWGR 2TD BKR 04 (CCWP 2B)	OEE-217-29 Rev 3	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(2TD-04) CCW PUMP 2B UV RLY	OEE-217-29 Rev 3	WESTINGHOUSE CV-2 (1875508) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(2TD-04) CCW PUMP 2B OC RLY (X PHASE)	OEE-217-29 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condenser Circulating Water**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51Z(2TD-04) CCW PUMP 2B OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-29 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(2TD-04) CCW PUMP 2B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-29 Rev 3	ITE GR-5 (202D6141) 2TD	NV TB 796
2CCWPU0003 CCW PUMP 2C			
2TE-04 4KV SWGR 2TE BKR 04 (CCWP 2C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-43 Rev 3	ITE 5HK-350 (1200 A) 2TE	NV TB 796
27(2TE-04) CCW PUMP 2C UV RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-43 Rev 3	WESTINGHOUSE CV-2 (1875508) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51X(2TE-04) CCW PUMP 2C OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-43 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(2TE-04) CCW PUMP 2C OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-43 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(2TE-04) CCW PUMP 2C GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-43 Rev 3	ITE GR-5 (202D6141) 2TE	NV TB 796
2CCWPU0004 CCW PUMP 2D			
2TC-05 4KV SWGR 2TC BKR 05 (CCWP 2D) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-16 Rev 3	ITE 5HK-350 (1200 A) 2TC	NV TB 796

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Condenser Circulating Water**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27(2TC-05) CCW PUMP 2D UV RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-16 Rev 3	WESTINGHOUSE CV-2 (1875508) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51X(2TC-05) CCW PUMP 2D OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-16 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(2TC-05) CCW PUMP 2D OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-16 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(2TC-05) CCW PUMP 2D GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-16 Rev 3	ITE GR-5 (202D6141) 2TC	NV TB 796
2CCWPU0024 EFWPT OIL COOLER PUMP			
2XS3-04C/(2EFDWTPOILCOOLWTRPUMP)/MS 208V MCC 2XS3-04C STARTER (EFWPT OIL COOLING WATER PUMP) <i>Rugged Starter Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-236-23 Rev 1	CLARK BUL 6013 CY-1 (G1) 2XS3	CA AB 796
2XS3-04C/(2EFDWTPOILCOOLWTRPUMP)/MCB 208V MCC 2XS3 BKR 04C (EFWPT OIL COOLING WATER PUMP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-236-23 Rev 1	GENERAL-ELECTRIC TED (15 A) 2XS3	NV AB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2CCWVA0010
 DISCH ISOL VALVE

2XS1-F02C/(2CCW-10)/MS 600V MCC 2XS1-F02C STARTER (2CCW-10)	OEE-236-04 Rev 3	CLARK BUL 6030 CY-1 (B1A) 2XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-F02C/(2CCW-10)/MCB 600V MCC 2XS1 BKR F02C (2CCW-10)	OEE-236-04 Rev 3	GENERAL-ELECTRIC THEF (20 A) 2XS1	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2CCWVA0011
 DISCH ISOL VALVE

2XS2-F02D/(2CCW-11)/MS 208V MCC 2XS2-F02D STARTER (2CCW-11)	OEE-236-05 Rev 3	CLARK BUL 6030 CY-1 (B1A) 2XS2	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS2-F02D/(2CCW-11)/MCB 208V MCC 2XS2 BKR F02D (2CCW-11)	OEE-236-05 Rev 3	GENERAL-ELECTRIC THEF (20 A) 2XS2	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2CCWVA0012
 DISCH ISOL VALVE

2XS3-02E/(2CCW-12)/MS 600V MCC 2XS3-02E STARTER (2CCW-12)	OEE-236-06 Rev 4	CLARK BUL 6030 CY-1 (B1A) 2XS3	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS3-02E/(2CCW-12)/MCB 600V MCC 2XS3 BKR 02E (2CCW-12)	OEE-236-06 Rev 4	GENERAL-ELECTRIC THEF (20 A) 2XS3	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2CCWVA0013
 DISCH ISOL VALVE

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 89 of 243

SYSTEM: U2 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
2XS1-F03C/(2CCW-13)/MS 600V MCC 2XS1-F03C STARTER (2CCW-13)	OEE-236-07 Rev 5	CLARK BUL 6030 CY-1 (B1A) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-F03C/(2CCW-13)/MCB 600V MCC 2XS1 BKR F03C (2CCW-13)	OEE-236-07 Rev 5	GENERAL-ELECTRIC THEF (20 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CCWVA0026 CCW VENT VALVE			
XOD1-04A/2CCW-26/MS 208V MCC XOD1-04A STARTER (2CCW-26)	OEE-236-09 Rev 5	CLARK BUL 6240 CY-1 XOD1	EVAL (MCC QUAL) YD 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
XOD1-04A/MCB 208V MCC XOD1 BKR 04A (2CCW-26)	OEE-236-09 Rev 5	GENERAL-ELECTRIC TEF6 (15/35 A) XOD1	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CCWVA0027 CCW VENT VALVE			
XOD2B-03A/2CCW-27/MS 208V MCC XOD2B-03A STARTER (2CCW-27)	OEE-236-09 Rev 5	CLARK T310031-76 XOD2B	EVAL (MCC QUAL) YD 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
XOD2B-03A/MCB 208V MCC XOD2B BKR 03A (2CCW-27)	OEE-236-09 Rev 5	WESTINGHOUSE 30MCP (100/300 A) XOD2B	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CCWVA0028 CCW VENT VALVE			
XOD1-04B/2CCW-28MS 208V MCC XOD1-04B STARTER (2CCW-28)	OEE-236-10 Rev 6	CLARK BUL 6240 CY-1 XOD1	EVAL (MCC QUAL) YD 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
XOD1-04B/MCB 208V MCC XOD1 BKR 04B (2CCW-28)	OEE-236-10 Rev 6	GENERAL-ELECTRIC TEF6 (15/35 A) XOD1	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CCWVA0029 CCW VENT VALVE			
XOD2B-03B/2CCW-29/MS 208V MCC XOD2B-03B STARTER (2CCW-29)	OEE-236-10 Rev 6	CLARK T310031-76 XOD2B	EVAL (MCC QUAL) YD 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
XOD2B-03B/MCB 208V MCC XOD2B BKR 03B (2CCW-29)	OEE-236-10 Rev 6	WESTINGHOUSE 30MCP (100/300 A) XOD2B	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CCWVA0269 CROSSOVER ISOLATION TO A			
2XSF-F01D(600V)/(2CCW-269)/MS 600V MCC 2XSF-F01D STARTER (2CCW-269)	OEE-251-35 Rev 3	GTE-SYLVANIA BUL 6240 2XSF(600V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-F01D(600V)/(2CCW-269)/MCB 600V MCC 2XSF BKR F01D (2CCW-269)	OEE-251-35 Rev 3	GENERAL-ELECTRIC THED (20 A) 2XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CCWVA0287 SSF ISOL VALVE			
2XSF-F01BL(600V)/(RSC-2CCW-287)/MS 600V REMOTE STARTER (2CCW-287) FED FROM 600V MCC 2XSF	OEE-251-48 Rev 0	GTE-SYLVANIA BUL 6030 CY-1 (H1) 2RSC-2CCW-287/ENCL	EVAL (OSC-6642) SSF 758
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-F01BL(600V)/(RSC-2CCW-287)/MCB 600V MCC 2XSF BKR F01BL (2CCW-287)	OEE-251-48 Rev 0	GENERAL-ELECTRIC THED (20 A) 2XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: ATWS Mitigation Cont

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

AMSACChannel1/U2

U2 AMSAC Channel 1

ROM221CH1/U2 ATWS PLC OUTPUT MODULE	OEE-247-18 Rev 1	SQUARE D SY/MAX 8030/ROM-221 2ATWSCP	NV AB 838
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

AB/U2 U2 ATWS AUX RELAY	OEE-247-18 Rev 1	STRUTHERS-DUNN 219FXXP 2ATWSCP	CA AB 838
----------------------------	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

BB1/U2 ATWS INTERFACE RLY	OEE-247-18 Rev 1	STRUTHERS-DUNN 219DXBP 2TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

CC1/U2 ATWS INTERFACE RLY	OEE-247-18 Rev 1	STRUTHERS-DUNN 219DXBP 2TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .

DD1/U2 ATWS INTERFACE RLY	OEE-247-18 Rev 1	STRUTHERS-DUNN 219DXBP 2TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .

2FDWPY2000 ATWS POWER SUPPLY (UNIT 2 AMSAC CHANNEL 1)	OEE-247-13 Rev 1	AT&T 1000/E101/T440 2ATWSCP	NV AB 838
--	------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

1KG-26/MCB 120V PPB 1KG BKR 28 (UNIT 2 AMSAC CHANNEL 1)	OEE-247-13 Rev 1	GENERAL-ELECTRIC TQL (30 A) 1KG	NV AB 838
--	------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

AMSACChannel2/U2

U2 AMSAC Channel 2

ROM221CH2/U2 ATWS PLC OUTPUT MODULE	OEE-247-28 Rev 1	SQUARE D SY/MAX 8030/ROM-221 2ATWSCP	NV AB 838
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: ATWS Mitigation Cont

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BB2/U2 ATWS INTERFACE RLY	OEE-247-28 Rev 1	STRUTHERS-DUNN 219DXBP 2TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CC2/U2 ATWS INTERFACE RLY	OEE-247-28 Rev 1	STRUTHERS-DUNN 219DXBP 2TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump.</i>			
DB/U2 ATWS AUX RELAY	OEE-247-28 Rev 1	STRUTHERS-DUNN 219FXXP 2ATWSCP	CA AB 838
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
DD2/U2 ATWS INTERFACE RLY	OEE-247-28 Rev 1	STRUTHERS-DUNN 219DXBP 2TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump.</i>			
2FDWPY2001 ATWS POWER SUPPLY (UNIT 2 AMSAC CHANNEL 2)	OEE-247-13 Rev 1	AT&T 1000/E101/T440 2ATWSCP	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1KG-27/MCB 120V PPB 1KG BKR 29 (UNIT 2 AMSAC CHANNEL 2)	OEE-247-13 Rev 1	GENERAL-ELECTRIC TQL (30 A) 1KG	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 94 of 243

SYSTEM: **U2 Emergency Feedwater**
SUB SYSTEM: **Emergency Turbine Pump**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2MSVA0082 TDEFW STEAM SUPPLY			
2XA-A-R05A/(2MS-82)/MS 208V MCC 2XA-A-R05A STARTER (2MS-82)	OEE-247 Rev 5	GTE-SYLVANIA BUL 6240 2XA-A	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XA-A-R05A/(2MS-82)/MCB 208V MCC 2XA-A BKR R05A (2MS-82)	OEE-247 Rev 5	GENERAL-ELECTRIC TEC (42/198 A) 2XA-A	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0084 TDEFW STEAM SUPPLY			
2XA-A-R05B/(2MS-84)/MS 208V MCC 2XA-A-R05B STARTER (2MS-84)	OEE-247-01 Rev 5	GTE-SYLVANIA BUL 6240 2XA-A	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XA-A-R05B/(2MS-84)/MCB 208V MCC 2XA-A BKR R05B (2MS-84)	OEE-247-01 Rev 5	GENERAL-ELECTRIC TEC (42/198 A) 2XA-A	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0087 TDEFW MS ISOLATION VALVE			
2MSEP0016 2MS-87 E/P CONVERTER	OEE-247-02-A Rev 6	FISHER 3582-1-53 2MSVA0087	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSPT0057 STEAM TO EFWPT PRESS XMTR	OEE-247-02-A Rev 6	ROSEMOUNT 1151GP9E22T1122B 2MC-12	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSS0042 STM TO EFWPT PRESS VALVE (CONTROLS 2MS-87)	OEE-247-02-A Rev 6	MOORE PRODUCTS 352EA21NNF 2MC-12	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**
 SUB SYSTEM: **Emergency Turbine Pump**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2MS94X EFWPT CONTROL RLY (2MS-87)	OEE-247-02 Rev 16	CUTLER-HAMMER D26MRD40A/D26MD10 2UB1	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2MSPY0042 UNIT 2 UPS (2MSS0042 - 2MS-87)	OEE-247-02-A Rev 6	ELGAR IPS 1100X 2MSPY0042	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2DIB-03/MCB 125V PPB 2DIB BKR 03 (TURB MISC CONT) (2MS-87)	OEE-247-02 Rev 16	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KB-32/MCB 120V PPB 2KB BKR 32 (2MSS0042)	OEE-247-02-A Rev 6	GENERAL-ELECTRIC TQL (30 A) 2KB	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0093 TDEFW MS ISOLATION VALVE			
2FDWPS1009 MAIN FWP DISCH PRESS SWITCH (2MS-93)	OEE-247-02 Rev 16	STATIC-O-RING 9N6W5U8CIAJTTNQ 2FDWPS1009	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2FDWPS1010 MAIN FWP DISCH PRESS SWITCH (2MS-93)	OEE-247-02 Rev 16	STATIC-O-RING 9N6W5U8CIAJTTNQ 2FDWPS1010	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2FDWPS1011 FWP 2A DISCH HDR PRESS SWITCH	OEE-247-02 Rev 16	STATIC-O-RING 9N6W3U8CIAJTTNQ 2A TBOX EH	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2FDWPS1012 MAIN FWP 2B DISCH HDR PRESS SWITCH	OEE-247-02 Rev 16	STATIC-O-RING 6N6W3U8C1AJTTNQ 2B TBOX EH	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2EFWCB 2MS-93 CONTROL RLY	OEE-247-02 Rev 16	CUTLER-HAMMER D26MR804A/D87XL30 2UB1	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**
 SUB SYSTEM: **Emergency Turbine Pump**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2SV74X EFWPT CONTROL RLY	OEE-247-02 Rev 16	CUTLER-HAMMER D26MR40A 2UB1	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2KVID-08/MCB 120V PPB 2KVID BKR 08 (2MS-93)	OEE-247-02 Rev 16	ITE QP1 (20 A) 2KVID	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TOPU0022			
EFWPT AUX OIL PUMP			
2FDWPS0300 2EFPT LOW HYDRAULIC OIL PRESS SWITCH	OEE-247-05 Rev 8	SQUARE D 9013 2FDWPS0300	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2DP-R03A/(EFWPTOILPUMP)/MS 125/250V DC 2DP-R03A STARTER (2EFWPT AUX OIL PUMP)	OEE-247-05 Rev 8	CLARK BUL 6253 2DP	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2DP-R03A/(EFWPTOILPUMP)/MCB 125/250V DC 2DP BKR R03A (2EFWPT AUX OIL PUMP)	OEE-247-05 Rev 8	GENERAL-ELECTRIC THEF (28/68 A) 2DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2FDWP0275 2A EFW HEADER FLOW IND	OEE-247-34 Rev 0	WESTINGHOUSE VX-252 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWFT0153 2A EFW HEADER FLOW TRANSMITTER	OEE-247-34 Rev 0	ROSEMOUNT 1152DP5E92PB 2FDWFT0153	NV AB 783
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWSI0153 2A EFW HEADER ISOLATED SIGNAL TRANSMITTER (FLOW IND)	OEE-247-34 Rev 0	ROCHESTER-INSTRUMENTS SC-1302 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWSQRT0153 2A EFW HEADER SQUARE ROOT EXTRACTOR (FLOW IND)	OEE-247-34 Rev 0	ROCHESTER-INSTRUMENTS SC-1330 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWPY0153 2A EFW HEADER POWER SUPPLY (FLOW IND)	OEE-247-34 Rev 0	LAMBDA 48-LCS-CC 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIC-08/MCB(2FDWP0275) 120V PPB 2KVIC BKR 8 (2FDWP0275)	OEE-247-34 Rev 0	ITE QP1 (20 A) 2KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWP0276 2B EFW HEADER FLOW IND	OEE-247-35 Rev 0	WESTINGHOUSE VX-252 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWFT0154 2B EFW HEADER FLOW TRANSMITTER	OEE-247-35 Rev 0	ROSEMOUNT 1152DP5E92PB 2FDWFT0154	NV AB 783
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWSI0154 2B EFW HEADER ISOLATED SIGNAL TRANSMITTER (FLOW IND)	OEE-247-35 Rev 0	ROCHESTER-INSTRUMENTS SC-1302 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWSQRT0154 2B EFW HEADER SQUARE ROOT EXTRACTOR (FLOW IND)	OEE-247-35 Rev 0	ROCHESTER-INSTRUMENTS SC-1330 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 98 of 243

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2FDWPY0154 2B EFW HEADER POWER SUPPLY (FLOW IND)	OEE-247-35 Rev 0	LAMBDA 48-LCS-CC 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIC-08/MCB(2FDWP0276) 120V PPB 2KVIC BKR 8 (2FDWP0276)	OEE-247-35 Rev 0	ITE QP1 (20 A) 2KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWP0277 2A EFW HEADER FLOW IND	O-1422-M-37 Rev 9	WESTINGHOUSE VX-252 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWFT0129 2A EFW HEADER FLOW	O-1422-M-37 Rev 9	ROSEMOUNT 1152DP5E92PB 2FDWFT0129	NV AB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWPY0129 2A EFW HEADER FLOW (POWER SUPPLY)	O-1422-M-37 Rev 9	LAMBDA 48-LCS-CC 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWSI0129 2A EFW HEADER FLOW (ISOLATED SIGNAL TRANSMITTER)	O-1422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1302 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWSQRT0129 2A EFW HEADER FLOW (SQUARE ROOT EXTRACTOR)	O-1422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1330 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWP0278 2B EFW HEADER FLOW IND	O-1422-M-37 Rev 9	WESTINGHOUSE VX-252 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWFT0130 2B EFW HEADER FLOW	O-1422-M-37 Rev 9	ROSEMOUNT 1152DP5E92PB 2FDWFT0130	NV AB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWPY0130 2B EFW HEADER FLOW (POWER SUPPLY)	O-1422-M-37 Rev 9	LAMBDA 48-LCS-CC 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2FDWSI0130 2B EFW HEADER FLOW (ISOLATED SIGNAL TRANSMITTER) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1302 2SGLC	NV AB 809
---	-------------------	---	-----------------

2FDWSQRT0130 2B EFW HEADER FLOW (SQUARE ROOT EXTRACTOR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1422-M-37 Rev 9	ROCHESTER INSTRUMENTS SC-1330 2SGLC	NV AB 809
---	-------------------	---	-----------------

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2FDWPU0004 MDEFW PUMP 2A			
2TD-15 4KV SWGR 2TD BKR 15 (MDEFWP 2A)	OEE-217-54 Rev 6	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWPS0382 FWP 2B CONTROL OIL PRESS SWITCH	OEE-217-54 Rev 6	CUSTOM COMPONENTS CC-604GZ3 2B TBOX EH	EVAL (OSC-6642) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2FDWPS0384 FWP 2A CONTROL OIL PRESS SWITCH	OEE-217-54 Rev 6	CUSTOM COMPONENTS CC-604GZ3 2A TBOX EH	EVAL (OSC-6642) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XRA(2TD-15) MDEFWP 2A CONTROL RLY	OEE-217-54 Rev 6	CUTLER-HAMMER D26MRD40A1 2TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
50-51(2TD-15) MDEFW PUMP 2A OC RLY	OEE-217-54 Rev 6	ITE 51L (223T5341) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50G(2TD-15) MDEFW PUMP 2A GROUND OC RLY	OEE-217-54 Rev 6	ITE GR-5 (202D6141UL) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPSVA0516 EFW PUMP 2A LPSW ISOLATION VALVE			
2SLA MDEFWP 2A CONT RLY	OEE-255-38 Rev 0	CUTLER-HAMMER D26MR40A/D87AE 2MTC4	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RX/AU2 STEAM GEN LEVEL AUX RLY	OEE-255-38 Rev 0	STRUTHERS-DUNN 219BBXP 2SGLC	GERS-RLY-ARS.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RX/ABU2 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-255-38 Rev 0	STRUTHERS-DUNN 219BBXP 2SGLC	GERS-RLY-ARS.4 AB 809
2KVIB-10/MCB(SGLC2) 120V PPB 2KVIB BKR 10 (POWER TO SGLC2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-38 Rev 0	ITE QP1 (20 A) 2KVIB	NV AB 809
2FDWPU0005 MDEFW PUMP 2B			
2TE-15 4KV SWGR 2TE BKR 15 (MDEFWP 2B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-55 Rev 5	ITE 5HK-350 (1200 A) 2TE	NV TB 796
2FDWPS0383 FWPT 2A CONTROL OIL PRESS SWITCH <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-55 Rev 5	CUSTOM COMPONENTS CC-604GZ3 2B TBOX EH	EVAL (OSC-6642) TB 775
2FDWPS0385 FWP 2B CONTROL OIL PRESS SWITCH <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-217-55 Rev 5	CUSTOM COMPONENTS CC-604GZ3 2B TBOX EH	EVAL (OSC-6642) TB 775
2XR(2TE-15) MDEFWP 2B CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-55 Rev 5	CUTLER-HAMMER D26MRD40A1 2TE	GERS-RLY-AI2.4 TB 796
50-51(2TE-15) MDEFW PUMP 2B OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-55 Rev 5	ITE 51L (223T5341) 2TE	NV TB 796
50G(2TE-15) MDEFW PUMP 2B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-55 Rev 5	ITE GR-5 (202D6141UL) 2TE	NV TB 796
2LPSVA0525 EFW PUMP 2B LPSW ISOLATION VALVE			

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2SLB MDEFWP 2B CONT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-255-39 Rev 0	CUTLER-HAMMER D26MR40A/D87AE 2MTC4	GERS-RLY-AI2.4 AB 809
RX/BAU2 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-255-39 Rev 0	STRUTHERS-DUNN 219BBXP 2SGLC	GERS-RLY-ARS.4 AB 809
RX/BBU2 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-255-39 Rev 0	STRUTHERS-DUNN 219BBXP 2SGLC	GERS-RLY-ARS.4 AB 809
2KVIC-10/MCB(SGLC2) 120V PPB 2KVIC BKR 10 (POWER TO SGLC2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-39 Rev 0	ITE QP1 (20 A) 2KVIC	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2FDWVA0105
 SG 2A SAMPLE ISOLATION

2CR-56(2FDW-105)(CA-V4A)(2ES-1) 2FDW-105 ESFAS INTERFACE RLY	OEE-257-02 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2RX-49(2FDW-105)(CA-V4A)(2ES-1) 2FDW-105 CONTROL RLY	OEE-257-02 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(2FDW-105)(CA-V4A)(2ES-1) RO RLY (2FDW-105)	OEE-257-02 Rev 8	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2XS1-R06D/(2FDW-105)/MS 208V MCC 2XS1-R06D STARTER (2FDW-105)	OEE-257-02 Rev 8	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-R06D/(2FDW-105)/MCB 208V MCC 2XS1 BKR R06D (2FDW-105)	OEE-257-02 Rev 8	GENERAL-ELECTRIC THEF (15 A) 2XS1	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2FDWVA0106
 SG 2A SAMPLE ISOLATION

2CR-40(2FDW-106)(CA-V5A)(2ES-2) 2FDW-106 ESFAS INTERFACE RLY	OEE-257-05 Rev 7	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
---	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2RX-36(2FDW-106)(CA-V5A)(2ES-2) 2FDW-106 CONTROL RLY	OEE-257-05 Rev 7	CUTLER-HAMMER D23MRD30A1 2ESTC2	GERS-RLY-A12.4 AB 809
---	------------------	---------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

RO(2FDW-106)(CA-V5A)(2ES-2) RO RLY (2FDW-106)	OEE-257-05 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
2DIB-25/(2FDW-106)/MCB 125V PPB 2DIB BKR 25 (2FDW-106)	OEE-257-05 Rev 7	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWVA0107			
SG 2B SAMPLE ISOLATION			
2CR-57(2FDW-107)(CA-V4B)(2ES-1) 2FDW-107 ESFAS INTERFACE RLY	OEE-257-03 Rev 10	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-50(2FDW-107)(CA-V4B)(2ES-1) 2FDW-107 CONTROL RLY	OEE-257-03 Rev 10	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2FDW-107)(CA-V4B)(2ES-1) RO RLY (2FDW-107)	OEE-257-03 Rev 10	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS1-R06E/(2FDW-107)/MS 208V MCC 2XS1-R06E STARTER (2FDW-107)	OEE-257-03 Rev 10	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R06E/(2FDW-107)/MCB 208V MCC 2XS1 BKR R06E (2FDW-107)	OEE-257-03 Rev 10	GENERAL-ELECTRIC THEF (15 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWVA0108			
SG 2B SAMPLE ISOLATION			
2CR-41(2FDW-108)(CA-V5B)(2ES-2) 2FDW-108 ESFAS INTERFACE RLY	OEE-257-06 Rev 8	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-37(2FDW-108)(CA-V5B)(2ES-2) 2FDW-108 CONTROL RLY	OEE-257-06 Rev 8	CUTLER-HAMMER D23MRD30A1 2ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 105 of 243

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(2FDW-108)(CA-V5B)(2ES-2) RO RLY (2FDW-108)	OEE-257-06 Rev 8	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2DIB-25/(2FDW-108)/MCB 125V PPB 2DIB BKR 25 (2FDW-108)	OEE-257-06 Rev 8	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWVA0315 MDEFW PUMP 2A ISOLATION			
2RXA/U2 2FDW-315 CONTROL RLY	OEE-245-66 Rev 4	CUTLER-HAMMER D26MRD70A1 2UB1	GERS-RLY-AI2.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
2DIB-10/(FDW-315)/MCB 125V PPB 2DIB BKR 10 (2FDW-315)	OEE-245-66 Rev 4	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWLT0080 SG 2A LEVEL TRANSMITTER	OM 1201-L-36 SH1 Rev	ROSEMOUNT 1154DP5RB 2FDWLT0080	NV RB 777'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWP0270 SG 2A LEVEL INDICATOR	OM 1201-L-36 SH1 Rev	WESTINGHOUSE VX-252 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAL1/U2(FDWEP0270) SIGNAL COMPARATOR CARD FOR (FDWEP0270)	OM 1201-L-36 SH1 Rev	WESTINGHOUSE 2837A13G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U2(FDWEP0270) AUX RELAY CARD FOR (FDWEP0270)	OM 1201-L-36 SH1 Rev	WESTINGHOUSE 2838A89G01 2SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U2(FDWEP0270) CONTROL CARD FOR (FDWEP0270)	OM 1201-L-36 SH1 Rev	WESTINGHOUSE 2838A30G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 106 of 243

SYSTEM: **U2 Emergency Feedwater**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NCD/U2(FDWEP0270) DRIVER CARD FOR (FDWEP0270) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-L-36 SH1 Rev	WESTINGHOUSE 2837A16G03 2SGLC	EVAL (OM-393-0001) AB 809
NPC/U2(FDWEP0270) POTENTIOMETER CARD FOR (FDWEP0270) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH1 Rev	WESTINGHOUSE 2837A93G01 2SGLC	NV AB 809
NRC/U2(FDWEP0270) RELAY CARD FOR (FDWEP0270) <i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>	OM 1201-L-36 SH1 Rev	WESTINGHOUSE 2837A87G04 2SGLC	CA AB 809
NLP/U2(FDWEP0270) LOOP POWER SUPPLY FOR (FDWEP0270) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH1 Rev	WESTINGHOUSE 2837A12G02 2SGLC	NV AB 809
2KVIB-10/MCB(2FDWLT0080) 120V PPB 2KVIB BKR 10 (2FDWLT0080) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-38 Rev 0	ITE QP1 (20 A) 2KVIB	NV AB 809
2FDWLT0082 SG 2A LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH3 Rev	ROSEMOUNT 1154DP5RB 2FDWLT0082	NV RB 777'+6"
2FDWP0272 SG 2A LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE VX-252 2UB1	NV AB 822
NAL1/U2(FDWEP0272) SIGNAL COMPARATOR CARD FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE 2837A13G01 2SGLC	NV AB 809
NAS1/U2(FDWEP0272) AUX RELAY CARD FOR (FDWEP0272) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE 2838A89G01 2SGLC	EVAL (OM-393-0001) AB 809
NCB/U2(FDWEP0272) CONTROL CARD FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE 2838A30G01 2SGLC	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NCD/U2(FDWEP0272) DRIVER CARD FOR (FDWEP0272) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE 2837A16G03 2SGLC	EVAL (OM-393-0001) AB 809
NPC/U2(FDWEP0272) POTENTIOMETER CARD FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE 2837A93G01 2SGLC	NV AB 809
NRC/U2(FDWEP0272) RELAY CARD FOR (FDWEP0272) <i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE 2837A87G04 2SGLC	CA AB 809
NLP/U2(FDWEP0272) LOOP POWER SUPPLY FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH3 Rev	WESTINGHOUSE 2837A12G02 2SGLC	NV AB 809
2KVIC-10/MCB(2FDWLT0082) 120V PPB 2KVIC BKR 10 (2FDWLT0082) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-39 Rev 0	ITE QP1 (20 A) 2KVIC	NV AB 809
2FDWVA0316 MDEFW PUMP 2B ISOLATION			
2RXB/U2 2FDW-316 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-245-67 Rev 4	CUTLER-HAMMER D26MRD70A1 2UB1	GERS-RLY-AI2.4 AB 822
2DIC-10/(2FDW-316)/MCB 125V PPB 2DIC BKR 10 (2FDW-316) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-67 Rev 4	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
2FDWLT0081 SG 2B LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH2 Rev	ROSEMOUNT 1154DP5RB 2FDWLT0081	NV RB 777'+6"
2FDWP0273 SG 2B LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-L-36 SH2 Rev	WESTINGHOUSE VX-252 2UB1	NV AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NAL1/U2(FDWEP0273) SIGNAL COMPARATOR CARD FOR (FDWEP0273)	OM 1201-L-36 SH2 Rev	WESTINGHOUSE 2837A13G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U2(FDWEP0273) AUX RELAY CARD FOR (FDWEP0273)	OM 1201-L-36 SH2 Rev	WESTINGHOUSE 2838A89G01 2SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U2(FDWEP0273) CONTROL CARD FOR (FDWEP0273)	OM 1201-L-36 SH2 Rev	WESTINGHOUSE 2838A30G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NCD/U2(FDWEP0273) DRIVER CARD FOR (FDWEP0273)	OM 1201-L-36 SH2 Rev	WESTINGHOUSE 2837A16G03 2SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NPC/U2(FDWEP0273) POTENTIOMETER CARD FOR (FDWEP0273)	OM 1201-L-36 SH2 Rev	WESTINGHOUSE 2837A93G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NRC/U2(FDWEP0273) RELAY CARD FOR (FDWEP0273)	OM 1201-L-36 SH2 Rev	WESTINGHOUSE 2837A87G04 2SGLC	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>			
NLP/U2(FDWEP0273) LOOP POWER SUPPLY FOR (FDWEP0273)	OM 1201-L-36 SH2 Rev	WESTINGHOUSE 2837A12G02 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIB-10/MCB(2FDWLT0081) 120V PPB 2KVIB BKR 10 (2FDWLT0081)	OEE-255-38 Rev 0	ITE QP1 (20 A) 2KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWLT0083 SG 2B LEVEL TRANSMITTER	OM 1201-L-36 SH4 Rev	ROSEMOUNT 1154DP5RB 2FDWLT0083	NV RB 777'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWP0271 SG 2B LEVEL INDICATOR	OM 1201-L-36 SH4 Rev	WESTINGHOUSE VX-252 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NAL1/U2(FDWEP0271) SIGNAL COMPARATOR CARD FOR (FDWEP0271)	OM 1201-L-36 SH4 Rev	WESTINGHOUSE 2837A13G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U2(FDWEP0271) AUX RELAY CARD FOR (FDWEP0271)	OM 1201-L-36 SH4 Rev	WESTINGHOUSE 2838A89G01 2SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U2(FDWEP0271) CONTROL CARD FOR (FDWEP0271)	OM 1201-L-36 SH4 Rev	WESTINGHOUSE 2838A30G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NCD/U2(FDWEP0271) DRIVER CARD FOR (FDWEP0271)	OM 1201-L-36 SH4 Rev	WESTINGHOUSE 2837A16G03 2SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NPC/U2(FDWEP0271) POTENTIOMETER CARD FOR (FDWEP0271)	OM 1201-L-36 SH4 Rev	WESTINGHOUSE 2837A93G01 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NRC/U2(FDWEP0271) RELAY CARD FOR (FDWEP0271)	OM 1201-L-36 SH4 Rev	WESTINGHOUSE 2837A87G04 2SGLC	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>			
NLP/U2(FDWEP0271) LOOP POWER SUPPLY FOR (FDWEP0271)	OM 1201-L-36 SH4 Rev	WESTINGHOUSE 2837A12G02 2SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIC-10/MCB(2FDWLT0083) 120V PPB 2KVIC BKR 10 (2FDWLT0083)	OEE-255-39 Rev 0	ITE QP1 (20 A) 2KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWVA0347 MDEFW PUMP 2B ISOLATION			
2XSF-F01C(600V)/(2FDW-347)/MS 600V MCC 2XSF-F01C STARTER (2FDW-347)	OEE-251-36 Rev 3	GTE-SYLVANIA BUL 6240 2XSF(600V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XSF-F01C(600V)/(2FDW-347)/MCB 600V MCC 2XSF BKR F01C (2FDW-347)	OEE-251-36 Rev 3	GENERAL-ELECTRIC THED (20 A) 2XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWVA0368 TDEFW TO HEADER A			
2XJ-01BB/(RSC-2FDW-368)/MS REMOTE STARTER (2FDW-368) (FED FROM 600V MCC 2XJ-01BB)	OEE-247-12 Rev 4	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-368/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XJ-01BB/(FDWREMOTESTARTERS)/MCB 600V MCC 2XJ BKR 01BB (FDW REMOTE STARTERS FEEDER)	OEE-247-12 Rev 4	GENERAL-ELECTRIC THEF (30 A) 2XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWVA0369 TDEFW TO HEADER B			
2XI-01BB/(RSC-2FDW-369)/MS REMOTE STARTER (2FDW-369) (FED FROM 600V MCC 2XI-01BB)	OEE-247-11 Rev 4	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-369/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XI-01BB/(FDWREMOTESTARTERS)/MCB 600V MCC 2XI BKR 01BB (REMOTE STARTER FEEDER)	OEE-247-11 Rev 4	GENERAL-ELECTRIC THED (30 A) 2XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWVA0372 MDEFW PUMP 2A ISOLATION			
2XI-01BB/(RSC-2FDW-372)/MS REMOTE STARTER (2FDW-372) (FED FROM 600V MCC 2XI-01BB)	OEE-247-07 Rev 6	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-372/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2FDWVA0374 STARTUP HEADER ISOL			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XI-01BB/(RSC-2FDW-374)/MS REMOTE STARTER (2FDW-374) (FED FROM 600V MCC 2XI-01BB) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-247-08 Rev 3	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-374/ENCL	EVAL (OSC-6642) AB 809
2FDWVA0382			
MDEFW PUMP 2B ISOLATION			
2XJ-01BB/(RSC-2FDW-382)/MS REMOTE STARTER (2FDW-382) (FED FROM 600V MCC 2XJ-01BB) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-247-09 Rev 5	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-382/ENCL	EVAL (OSC-6642) AB 809
2FDWVA0384			
STARTUP HEADER ISOL			
2XJ-01BB/(RSC-2FDW-384)/MS REMOTE STARTER (2FDW-384) (FED FROM 600V MCC 2XJ-01BB) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-247-10 Rev 3	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-384/ENCL	EVAL (OSC-6642) AB 809

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Lighting

SUB SYSTEM: DC Lights

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2L21-30/MCB 250V DC PPB 2L21 BKR 30 (EMER LIGHTING)	0-846-A Rev 5	GENERAL-ELECTRIC TQL (20 A) 2L21/PBB	NV AB 822

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 113 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27NA/U2 PHASE A NORM BUS UV RLY	OEE-217-01-B Rev 0	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>			
27NXA/U2 PHASE A NORM BUS UV AUX RLY	OEE-217-01-B Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA1/U2 PHASE A NORM BUS UV AUX RLY	OEE-217-01-B Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA2/U2 PHASE A NORM BUS UV AUX RLY	OEE-217-01-B Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA3/U2 PHASE A NORM BUS UV AUX RLY	OEE-217-01-B Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2RTNA PHASE A NORM BUS EPSL TEST RLY	OEE-217-01-B Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2DIA-13/MCB 125V PPB 2DIA BKR 13 (NORM VOLT CKT PH A)	OEE-217-01-B Rev 0	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27NB/U2 PHASE B NORM BUS UV RLY	OEE-217-01-C Rev 0	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>			
27NXB/U2 PHASE B NORM BUS UV AUX RLY	OEE-217-01-C Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYB1/U2 PHASE B NORM BUS UV AUX RLY	OEE-217-01-C Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 114 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27NYB2/U2 PHASE B NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-C Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
27NYB3/U2 PHASE B NORM BUS UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-217-01-C Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	CA AB 809
2RTNB PHASE B NORM BUS EPSL TEST RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-217-01-C Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP1	CA AB 809
2DIB-11/MCB 125V PPB 2DIB BKR 11 (NORM VOLT CKT PH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-01-C Rev 0	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
27NC/U2 PHASE C NORM BUS UV RLY <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>	OEE-217-01-D Rev 1	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CNA AB 809
27NXC/U2 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-D Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	GERS-RLY-ARH.5 AB 809
27NYC1/U2 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
27NYC2/U2 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
27NYC3/U2 PHASE C NORM BUS UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-217-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	CA AB 809
2RTNC PHASE C NORM BUS EPSL TEST RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-217-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	CA AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 115 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DIC-07/MCB 125V PPB 2DIC BKR 07 (NORM VOLT CKT PH C)	OEE-217-01-D Rev 1	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27EA/U2 PHASE A STUP BUS UV RLY	OEE-217-01-E Rev 1	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			
27EXA/U2 PHASE A STUP BUS UV AUX RLY	OEE-217-01-E Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA1/U2 PHASE A STUP BUS UV AUX RLY	OEE-217-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA1X/U2 PHASE A STUP BUS UV AUX RLY	OEE-217-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA2/U2 PHASE A STUP BUS UV AUX RLY	OEE-217-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA2X/U2 PHASE A STUP BUS UV AUX RLY	OEE-217-01-E Rev 1	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA3/U2 PHASE A STUP BUS UV AUX RLY	OEE-217-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RTEA PHASE A STUP BUS EPSL TEST RLY	OEE-217-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2DIA-14/MCB 125V PPB 2DIA BKR 14 (STUP VOLT CKT PH A)	OEE-217-01-E Rev 1	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 116 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27EB/U2 PHASE B STUP BUS UV RLY	OEE-217-01-F Rev 1	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			
27EXB/U2 PHASE B STUP BUS UV AUX RLY	OEE-217-01-F Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB1/U2 PHASE B STUP BUS UV AUX RLY	OEE-217-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB1X/U2 PHASE B STUP BUS UV AUX RLY	OEE-217-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB2/U2 PHASE B STUP BUS UV AUX RLY	OEE-217-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB2X/U2 PHASE B STUP BUS UV AUX RLY	OEE-217-01-F Rev 1	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB3/U2 PHASE B STUP BUS UV AUX RLY	OEE-217-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RTEB PHASE B STUP BUS EPSL TEST RLY	OEE-217-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2DIB-12/MCB 125V PPB 2DIB BKR 12 (STUP VOLT CKT PH B)	OEE-217-01-F Rev 1	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27EC/U2 PHASE C STUP BUS UV RLY	OEE-217-01-G Rev 1	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 117 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27EXC/U2 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-G Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	GERS-RLY-ARH.5 AB 809
27EYC1/U2 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC1X/U2 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC2/U2 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC2X/U2 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-G Rev 1	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC3/U2 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
2RTEC PHASE C STUP BUS EPSL TEST RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
2DIC-08/MCB 125V PPB 2DIC BKR 08 (STUP VOLT CKT PH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-01-G Rev 1	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
27B12 U2 MFB 1 UV RLY <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-217-01-H Rev 7	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CA AB 809
27B12X U2 MFB 1 UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	CA AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 118 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2ESG1 ESFAS INTERFACE RLY CH 1	OEE-217-01-H Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2ESG1X ESFAS INTERFACE AUX RLY CH 1	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD30A1/D26MD10 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2ESG1X1 ESFAS INTERFACE AUX RLY CH 1	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD70A1 2TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Has No Effect Because The Circuit Is Designed To Begin Operation After SSE.</i>			
2RLS1 CH A LOAD SHED TIMING RLY	OEE-217-01-H Rev 7	WESTINGHOUSE TD-5 (293B301A25) 2EPSLP1	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2RLS1X CH A LOAD SHED TIMING AUX RLY	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD704A1 2EPSLP1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
2RLS1X1 CH A LOAD SHED TIMING AUX RLY	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD43A1 2EPSLP1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			
2RTX1 EPSL LOADSHED TEST RLY CH A	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD30A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2RTX2 EPSL LOADSHED TEST RLY CH B	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD30A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2SBC1A STBY BKR CLOSE TIMING RLY	OEE-217-01-H Rev 7	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2SBC1AX STBY BKR CLOSING AUX RLY	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERs-RLY-AI2.4 AB 809
<i>GERs - Seismically Adequate Per GERs.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 119 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
2SBC1B STBY BKR CLOSE TIMING RLY	OEE-217-01-H Rev 7	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2SBC1BX STBY BKR CLOSING AUX RLY	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
86AXSB1/2 STBY BKR LOCKOUT AUX RLY	OEE-217-01-H Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2DIA-15/MCB 125V PPB 2DIA BKR 15 (LOAD SHED CH A)	OEE-217-01-H Rev 7	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2K1TDA STUP ANTI-RECYCLE TIMING INITIATE RLY	OEE-217-01-H-01 Rev 1	AGASTAT 7024 PE 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RK1A STUP BUS ANTI-RECYCLE CH A INITIATE AUX RLY	OEE-217-01-H-01 Rev 1	CUTLER-HAMMER D26MRD70A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2RK2A STUP BUS ANTI-RECYCLE CH A INITIATE AUX RLY	OEE-217-01-H-01 Rev 1	CUTLER-HAMMER D26MRD70A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2SBC3A STBY BKR CLOSE TIMING RLY	OEE-217-01-H-01 Rev 1	CUTLER-HAMMER D26MRD30A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2STARA STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	OEE-217-01-H-01 Rev 1	CUTLER-HAMMER D26MRD70A1/D87XDL30 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B22 U2 MFB 2 UV RLY	OEE-217-01-I Rev 7	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 120 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27B22X U2 MFB 2 UV AUX RLY	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2ESG2 ESFAS INTERFACE RLY CH 2	OEE-217-01-I Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2ESG2X ESFAS INTERFACE AUX RLY CH 2	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD30A1/D26MF 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2RLS2 CH B LOAD SHED TIMING RLY	OEE-217-01-I Rev 7	WESTINGHOUSE TD-5 (293B301A25) 2EPSLP1	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2RLS2X CH B LOAD SHED TIMING AUX RLY	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RLS2X1 CH B LOAD SHED TIMING AUX RLY	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD43A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RTY1 EPSL LOADSHED TEST RLY CH A	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD30A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2RTY2 EPSL LOADSHED TEST RLY CH B	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD30A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2SBC2A STBY BKR CLOSE TIMING RLY	OEE-217-01-I Rev 7	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2SBC2AX STBY BKR CLOSING AUX RLY	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 121 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2SBC2B STBY BKR CLOSE TIMING RLY	OEE-217-01-I Rev 7	WESTINGHOUSE TD-5 (293B301A26) 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2SBC2BX STBY BKR CLOSING AUX RLY	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
86AXSB2/2 STBY BKR LOCKOUT AUX RLY	OEE-217-01-I Rev 7	CUTLER-HAMMER D23MRD70A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
2DIB-13/MCB 125V PPB 2DIB BKR 13 (LOAD SHED CH B)	OEE-217-01-I Rev 7	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2K1TDB STUP ANTI-RECYCLE TIMING INITIATE RLY	OEE-217-01-I-01 Rev 1	AGASTAT 7024 PE 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RK1B STUP BUS ANTI-RECYCLE CH B INITIATE AUX RLY	OEE-217-01-I-01 Rev 1	CUTLER-HAMMER D26MRD70A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2RK2B STUP BUS ANTI-RECYCLE CH B INITIATE AUX RLY	OEE-217-01-I-01 Rev 1	CUTLER-HAMMER D26MRD70A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
2SBC3B STBY BKR CLOSE TIMING RLY	OEE-217-01-I-01 Rev 1	CUTLER-HAMMER D26MRD30A1 2EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2STARB STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	OEE-217-01-I-01 Rev 1	CUTLER-HAMMER D26MRD70A1/D87XDL30 2EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27S21A PHASE A STDY BUS UV RLY	OEE-217-01-J Rev 0	WESTINGHOUSE CV-7 (1875524) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 122 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27SX21A PHASE A STDY BUS UV AUX RLY	OEE-217-01-J Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY21A1 PHASE A STDY BUS UV AUX RLY	OEE-217-01-J Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY21A2 PHASE A STDY BUS UV AUX RLY	OEE-217-01-J Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RTS21A PHASE A STDY BUS EPSL TEST RLY	OEE-217-01-J Rev 0	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2DIA-27/MCB 125V PPB 2DIA BKR 27 (STBY VOLT CKT PH A)	OEE-217-01-J Rev 0	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S21B PHASE B STDY BUS UV RLY	OEE-217-01-K Rev 0	WESTINGHOUSE CV-7 (1875524) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX21B PHASE B STDY BUS UV AUX RLY	OEE-217-01-K Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY21B1 PHASE B STDY BUS UV AUX RLY	OEE-217-01-K Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY21B2 PHASE B STDY BUS UV AUX RLY	OEE-217-01-K Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RTS21B PHASE B STDY BUS EPSL TEST RLY	OEE-217-01-K Rev 0	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 123 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2DIB-09/MCB 125V PPB 2DIB BKR 09 (STBY VOLT CKT PH B)	OEE-217-01-K Rev 0	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S21C PHASE C STDY BUS UV RLY	OEE-217-01-L Rev 0	WESTINGHOUSE CV-7 (1875524) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX21C PHASE C STDY BUS UV AUX RLY	OEE-217-01-L Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY21C1 PHASE C STDY BUS UV AUX RLY	OEE-217-01-L Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY21C2 PHASE C STDY BUS UV AUX RLY	OEE-217-01-L Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RTS21C PHASE C STDY BUS EPSL TEST RLY	OEE-217-01-L Rev 0	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2DIC-11/MCB 125V PPB 2DIC BKR 11 (STBY VOLT CKT PH C)	OEE-217-01-L Rev 0	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S22A PHASE A STDY BUS UV RLY	OEE-217-01-M Rev 1	WESTINGHOUSE CV-7 (1875524) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX22A PHASE A STDY BUS UV AUX RLY	OEE-217-01-M Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY22A1 PHASE A STDY BUS UV AUX RLY	OEE-217-01-M Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27SY22A2 PHASE A STDY BUS UV AUX RLY	OEE-217-01-M Rev 1	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RTS22A PHASE A STDY BUS EPSL TEST RLY	OEE-217-01-M Rev 1	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2DIB-21/MCB 125V PPB 2DIB BKR 21 (STBY VOLT CKT PH A)	OEE-217-01-M Rev 1	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S22B PHASE B STDY BUS UV RLY	OEE-217-01-N Rev 2	WESTINGHOUSE CV-7 (1875524) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX22B PHASE B STDY BUS UV AUX RLY	OEE-217-01-N Rev 2	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY22B1 PHASE B STDY BUS UV AUX RLY	OEE-217-01-N Rev 2	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY22B2 PHASE B STDY BUS UV AUX RLY	OEE-217-01-N Rev 2	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RTS22B PHASE B STDY BUS EPSL TEST RLY	OEE-217-01-N Rev 2	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2DIC-14/MCB 125V PPB 2DIC BKR 14 (STBY VOLT CKT PH B)	OEE-217-01-N Rev 2	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S22C PHASE C STDY BUS UV RLY	OEE-217-01-P Rev 0	WESTINGHOUSE CV-7 (1875524) 2EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 125 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27SX22C PHASE C STDY BUS UV AUX RLY	OEE-217-01-P Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY22C1 PHASE C STDY BUS UV AUX RLY	OEE-217-01-P Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY22C2 PHASE C STDY BUS UV AUX RLY	OEE-217-01-P Rev 0	CUTLER-HAMMER D23MRD704A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RTS22C PHASE C STDY BUS EPSL TEST RLY	OEE-217-01-P Rev 0	CUTLER-HAMMER D23MRD70A1 2EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2DIA-28/MCB 125V PPB 2DIA BKR 28 (STBY VOLT CKT PH C)	OEE-217-01-P Rev 0	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27B12A U2 MFB 1 UV RLY PHASE A	OEE-217-01-R Rev 2	CUTLER-HAMMER D23MR62A 2MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B12B U2 MFB 1 UV RLY PHASE B	OEE-217-01-R Rev 2	CUTLER-HAMMER D23MR62A 2MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B12C U2 MFB 1 UV RLY PHASE C	OEE-217-01-R Rev 2	CUTLER-HAMMER D23MR62A 2MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B22A U2 MFB 2 UV RLY PHASE A	OEE-217-01-R Rev 2	CUTLER-HAMMER D23MR62A 2MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B22B U2 MFB 2 UV RLY PHASE B	OEE-217-01-R Rev 2	CUTLER-HAMMER D23MR62A 2MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 126 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27B22C U2 MFB 2 UV RLY PHASE C <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-R Rev 2	CUTLER-HAMMER D23MR62A 2MFBMRP	GERS-RLY-AI2.4 AB 809
RE-2/U2 INTERPOSING AUX RLY FOR TX12A & TX22A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-S Rev 2	CUTLER-HAMMER D23MRD30A1 2UB1	GERS-RLY-AI2.4 AB 822
T12A MAIN FDR BUS 1 UV TIMER CH A RLY <i>NV - Not Vulnerable to Contact Chatter. (Solid State Device)</i>	OEE-217-01-S Rev 2	CUTLER-HAMMER D87XDL30 2MFBMRP	NV AB 809
TX12A AUX RLY FOR T12A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-S Rev 2	CUTLER-HAMMER D23MRD074A1 2MFBMRP	GERS-RLY-AI2.4 AB 809
2DIA-05/MCB 125V PPB 2DIA BKR 05 (U2 MFB 1 UV LOGIC CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-01-S Rev 2	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
T12B MAIN FDR BUS 1 UV TIMER CH B RLY <i>NV - Not Vulnerable to Contact Chatter. (Solid State Device)</i>	OEE-217-01-S Rev 2	CUTLER-HAMMER D87XDL30 2MFBMRP	NV AB 809
TX12B AUX RLY FOR T12B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-S Rev 2	CUTLER-HAMMER D23MRD074A1 2MFBMRP	GERS-RLY-AI2.4 AB 809
2DIB-05/MCB 125V PPB 2DIB BKR 05 (U2 MFB 1 UV LOGIC CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-01-S Rev 2	ITE EH2 (20 A) 2DIB/PPB	NV AB 809
RE-1/U2 INTERPOSING AUX RLY FOR TX12B & TX22B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-T Rev 2	CUTLER-HAMMER D23MRD30A 2UB2	GERS-RLY-AI2.4 AB 822
T22A MAIN FDR BUS 2 UV TIMER CH A RLY <i>NV - Not Vulnerable to Contact Chatter. (Solid State Device)</i>	OEE-217-01-T Rev 2	CUTLER-HAMMER D87XDL30 2MFBMRP	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 127 of 243

SYSTEM: U2 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
TX22A AUX RLY FOR T22A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-T Rev 2	CUTLER-HAMMER D23MRD074A1 2MFBMRP	GERS-RLY-AI2.4 AB 809
2DIC-09/MCB 125V PPB 2DIC BKR 09 (U2 MFB 2 UV LOGIC CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-01-T Rev 2	ITE EH2 (20 A) 2DIC/PPB	NV AB 809
T22B MAIN FDR BUS 2 UV TIMER CH B RLY <i>NV - Not Vulnerable to Contact Chatter. (Solid State Device)</i>	OEE-217-01-T Rev 2	CUTLER-HAMMER D87XDL30 2MFBMRP	NV AB 809
TX22B AUX RLY FOR T22B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-01-T Rev 2	CUTLER-HAMMER D23MRD074A1 2MFBMRP	GERS-RLY-AI2.4 AB 809
2DID-09/(2EPSL-T)/MCB 125V PPB 2DID BKR 09 (U2 MFB 2 UV LOGIC CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-01-T Rev 2	ITE EH2 (20 A) 2DID/PPB	NV AB 809
CLS1(2TC-02) U2 LOADSHED (C) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-13 Rev 4	CUTLER-HAMMER D23MRD70A1 2TC	GERS-RLY-AI2.4 TB 796
CLS2(2TC-12) U2 LOADSHED (C) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-23 Rev 5	CUTLER-HAMMER D23MRD70A1 2TC	GERS-RLY-AI2.4 TB 796
DLS1(2TD-02) U2 LOADSHED (D) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-27 Rev 6	CUTLER-HAMMER D23MRD70A1 2TD	GERS-RLY-AI2.4 TB 796
DLS2(2TD-13) U2 LOADSHED (D) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-38 Rev 7	CUTLER-HAMMER D23MRD70A1 2TD	GERS-RLY-AI2.4 TB 796
ELS1(2TE-02) U2 LOADSHED (E) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-217-41 Rev 5	CUTLER-HAMMER D23MRD704A1 2TE	GERS-RLY-AI2.4 TB 796

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Emergency Power Switching Logic**

SUB SYSTEM: **EPSL**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ELS2(2TE-13) U2 LOADSHED (E) RLY	OEE-217-52 Rev 5	CUTLER-HAMMER D23MRD704A1 2TE	GERS-RLY-AI2.4 TB 796

GERS - Seismically Adequate Per GERS.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Engineered Safeguards

SUB SYSTEM: Analog Channel 1

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN1AR/U2(Typical) AUX RLY MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-04 Rev DE	BAILEY CONTROLS 6622510 2ESFAS	EVAL (OSC-6642) AB 822
ANACHAN1BA/U2(Typical) BUFFER AMPLIFIER MODULE (ES CH 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-04 Rev DE	BAILEY CONTROLS 6621670A 1ESFAS	NV AB 822
ANACHAN1BI/U2(Typical) BISTABLE MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-05 Rev DE	BAILEY CONTROLS 6621500 1ESFAS	EVAL (OSC-6642) AB 822
ANACHAN1LB/U2(Typical) LOGIC BUFFER MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-05 Rev DE	BAILEY CONTROLS 6624726 1ESFAS	EVAL (OSC-6642) AB 822
ANACHAN1PWSUPP/U2(Typical) MOTOROLA PWR SUPP (ES CH 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-04 Rev DE	MOTOROLA 6623903 2ESFAS	NV AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Engineered Safeguards

SUB SYSTEM: Analog Channel 2

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN2AR/U2(Typical) AUX RLY MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-10 Rev DD	BAILEY CONTROLS 6622510 2ESFAS	EVAL (OSC-6642) AB 822
ANACHAN2BA/U2(Typical) BUFFER AMPLIFIER MODULE (ES CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-10 Rev DD	BAILEY CONTROLS 6621670A1163 2ESFAS	NV AB 822
ANACHAN2BI/U2(Typical) BISTABLE MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-11 Rev DE	BAILEY CONTROLS 6621500E1 1ESFAS	EVAL (OSC-6642) AB 822
ANACHAN2LB/U2(Typical) LOGIC BUFFER MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-11 Rev DE	BAILEY CONTROLS 6624726A1 2ESFAS	EVAL (OSC-6642) AB 822
ANACHAN2PWRSUPP/U2(Typical) MOTOROLA PWR SUPP (ES CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-10 Rev DD	MOTOROLA 6623903A1 2ESFAS	NV AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Engineered Safeguards

SUB SYSTEM: Analog Channel 3

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN3AR/U2(Typical) AUX RLY MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-13 Rev DE	BAILEY CONTROLS 6622510 2ESFAS	EVAL (OSC-6642) AB 822
ANACHAN3BA/U2(Typical) BUFFER AMPLIFIER MODULE (ES CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-13 Rev DE	BAILEY CONTROLS 6621670 2ESFAS	NV AB 822
ANACHAN3BI/U2(Typical) BISTABLE MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-14 Rev DE	BAILEY CONTROLS 6621500E1 2ESFAS	EVAL (OSC-6642) AB 822
ANACHAN3LB/U2(Typical) LOGIC BUFFER MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-14 Rev DE	BAILEY CONTROLS 6624726A1 2ESFAS	EVAL (OSC-6642) AB 822
ANACHAN3PWSUPP/U2(Typical) MOTOROLA PWR SUPP (ES CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-13 Rev DE	MOTOROLA 6623903A1 2ESFAS	NV AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Engineered Safeguards

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2BSPS0018 RB PRESS SWITCH (ES CH 2A) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-1422-A-8 Rev 14	ASCO SA21AR/TD20A32R 2BSPS0018	EVAL (OSC-6642) AB 809
2BSPS0019 RB PRESS SWITCH (ES CH 2A) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-1422-A-8 Rev 14	ASCO SA21AR/TD20A32R 2BSPS0019	EVAL (OSC-6642) AB 809
2RCPT0021P RC PRESS XMTR (ES CH A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-04 Rev DE	ROSEMOUNT 1153GD9RB 2RCPT0021P	NV RB 825
CONTBUFF(ESCHAN1)/U2(Typical) CONTACT BUFFER MODULE (ES CHANNEL 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-04 Rev DE	BAILEY CONTROLS 6623999A1 3ESFAS	EVAL (OSC-6642) AB 822
PRTC(ESCHAN1)/U2 PRESS TEST CIRCUIT MODULE (ES CHANNEL 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-04 Rev DE	BAILEY CONTROLS 6623705A1 1ESFAS	EVAL (OSC-6642) AB 822
2BSPT0004P RB PRESS XMTR (ES CH 2A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-06 Rev DE	ITT-BARTON 764 2BSPT0004P	NV AB 809
2BSPS0020 RB PRESS SWITCH (ES CH 2B) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-1422-A-8 Rev 14	ASCO SA21AR/TD20A32R 2BSPS0020	EVAL (OSC-6642) AB 809
2BSPS0021 RB PRESS SWITCH (ES CH 2B) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-1422-A-8 Rev 14	ASCO SA21AR/TD20A32R 2BSPS0021	EVAL (OSC-6642) AB 809
2RCPT0022P RC PRESS XMTR (ES CH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-13 Rev DE	ROSEMOUNT 1153GD9RB 2RCPT0022P	NV RB 825
CONTBUFF(ESCHAN2)/U2(Typical) CONTACT BUFFER MODULE (ES CHANNEL 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-10 Rev DD	BAILEY CONTROLS 6623999A1 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Engineered Safeguards**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
PRTC(ESCHAN2)/U2 PRESS TEST CIRCUIT MODULE (ES CHANNEL 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-10 Rev DD	BAILEY CONTROLS 6623705A1 1ESFAS	EVAL (OSC-6642) AB 822
2BSPT0005P RB PRESS XMTR (ES CH 2B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-12 Rev DE	ITT-BARTON 764 2BSPT0005P	NV AB 809
2BSPS0022 RB PRESS SWITCH (ES CH 2C) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-1422-A-8 Rev 14	ASCO SA21AR/TD20A32R 2BSPS0022	EVAL (OSC-6642) AB 809
2BSPS0023 RB PRESS SWITCH (ES CH 2C) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-1422-A-8 Rev 14	ASCO SA21AR/TD20A32R 2BSPS0023	EVAL (OSC-6642) AB 809
2RCPT0023P RC PRESS XMTR (ES CH C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-10 Rev DD	ROSEMOUNT 1153GD9RB 2RCPT0023P	NV RB 825
CONTBUFF(ESCHAN3)/U2(Typical) CONTACT BUFFER MODULE (ES CHANNEL 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-13 Rev DE	BAILEY CONTROLS 6623999A1 3ESFAS	EVAL (OSC-6642) AB 822
PRTC(ESCHAN3)/U2 PRESS TEST CIRCUIT MODULE (ES CHANNEL 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-13 Rev DE	BAILEY CONTROLS 6623705A1 1ESFAS	EVAL (OSC-6642) AB 822
2BSPT0006P RB PRESS XMTR (ES CH 2C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-J-15 Rev DE	ITT-BARTON 764 2BSPT0006P	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 1**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH1AR/U2(Typical) AUX RLY MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-07 Rev DE	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH1CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-07 Rev DE	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH1LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-07 Rev DE	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH1TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-07 Rev DE	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Engineered Safeguards

SUB SYSTEM: Digital Channel 2

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH2AR/U2(Typical) AUX RLY MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-16 Rev DE	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH2CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-16 Rev DE	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH2LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-16 Rev DE	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH2TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-16 Rev DE	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 3**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH3AR/U2(Typical) AUX RLY MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-18 Rev DD	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH3CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-18 Rev DD	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH3LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-18 Rev DD	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH3TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-18 Rev DD	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Engineered Safeguards

SUB SYSTEM: Digital Channel 4

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH4AR/U2(Typical) AUX RLY MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-20 Rev DD	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH4CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-20 Rev DD	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH4LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-20 Rev DD	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH4TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-20 Rev DD	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 5**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH5AR/U2(Typical) AUX RLY MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-22 Rev DE	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH5CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-22 Rev DE	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH5LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-22 Rev DE	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH5TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 5) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-22 Rev DE	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Engineered Safeguards**
 SUB SYSTEM: **Digital Channel 6**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH6AR/U2(Typical) AUX RLY MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-24 Rev DE	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH6CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-24 Rev DE	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH6LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-24 Rev DE	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH6TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-24 Rev DE	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 7**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH7AR/U2(Typical) AUX RLY MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-26 Rev DD	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH7CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-26 Rev DD	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH7LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-26 Rev DD	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH7TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-26 Rev DD	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 8**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH8AR/U2(Typical) AUX RLY MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-28 Rev DD	BAILEY CONTROLS 6622510C 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH8CB/U2(Typical) CONTACT BUFFER MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-28 Rev DD	BAILEY CONTROLS 6623999A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH8LT/U2(Typical) LOGIC TEST MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-28 Rev DD	BAILEY CONTROLS 6624040A 2ESFAS	EVAL (OSC-6642) AB 822
DIGCH8TL/U2(Typical) TRIP LOGIC MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 1201-J-28 Rev DD	BAILEY CONTROLS 6624010A 2ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 142 of 243

SYSTEM: **U2 High Pressure Injection**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2HPIP0319 HPI CROSSOVER FLOW INDICATION <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-31-A Rev 1	DIXSON SH202AXTX4 2UB1	NV AB 822
2HPIFT0160 B LOOP INJ FLOW TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-31-A Rev 1	ROSEMOUNT 1154HH5RB 2HPIFT0160	NV AB 809
2HPISR0160 HPI CROSSOVER FLOW SQRT EXT B LOOP <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-31-A Rev 1	ROCHESTER INSTRUMENTS SC-1330 2MTC4	NV AB 809
HPIFLOWLOOPPSB/U2 UNIT 2 HPI FLOW PWR SUPP 'B' (2HPIFT0160) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-31-A Rev 1	LAMBDA LCS-24 2MTC4	NV AB 809
2KVIC-13/MCB 120V PPB 2KVIC BKR 13 (HPI FLOW LOOP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-31-A Rev 1	ITE QP1 (20 A) 2KVIC	NV AB 809
2HPIP0363 HPI A TRAIN INJ FLOW INDICATION <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-50 Rev 0	DIXSON SA101AXTX 2UB1	NV AB 822
2HPIFT0007A HPI A TRAIN INJ FLOW TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-50 Rev 0	ROSEMOUNT 1154HH5RB 2HPIFT0007A	NV AB 758
2KVIA-08/MCB(2HPIP0363) 120V PPB 2KVIA BKR 08 (2HPIP0363) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-26 Rev 2	ITE QP1 (20 A) 2KVIA	NV AB 809
2HPIP0364 HPI B TRAIN INJ FLOW INDICATION <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-51 Rev 0	DIXSON SA101AXTX 2UB1	NV AB 822
2HPIFT0008A HPI B TRAIN INJ FLOW TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-51 Rev 0	ROSEMOUNT 1154HH5RB 2HPIFT0008A	NV AB 758

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 High Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2KVIB-13/MCB(2HPIP0364) 120V PPB 2KVIB BKR 13 (2HPIP0364)	OEE-255-26 Rev 2	ITE QP1 (20 A) 2KVIB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2HPIPU0001 HPI PUMP 2A			
2TC-08 4KV SWGR 2TC BKR 08 (HPIP 2A)	OEE-217-19 Rev 6	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CR-46(2HPIPA)(HP-P1A)(2ES-1) HPIP 2A ESFAS INTERFACE RLY	OEE-217-19 Rev 6	CUTLER-HAMMER D23MRD30A1 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(2TC-08) HPI PUMP 2A OC RLY (X PHASE)	OEE-217-19 Rev 6	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TC-08) HPI PUMP 2A OC RLY (Z PHASE)	OEE-217-19 Rev 6	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TC-08) HPI PUMP 2A GROUND OC RLY	OEE-217-19 Rev 6	ITE GR-5 (202D6141) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
HP53XR/U2 LOW RC SEAL INLET FLOW AUX RLY (HPI PUMP's A & B)	OEE-250-11 Rev 7	CUTLER-HAMMER D23MRD70A1 2MTC3	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(2HPIPA)(HP-P1A)(2ES-1) RO RLY (HPIP 2A)	OEE-217-19 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
2DID-05/(2HPIPA&B)/MCB 125V PPB 2DID BKR 05 (HPIP 2A AND 2B STUP INTERLOCKS)	OEE-250-11 Rev 7	ITE EH2 (20 A) 2DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

2HPIPU0002

HPI PUMP 2B

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TE-09 4KV SWGR 2TE BKR 09 (HPIP 2B)	OEE-217-48 Rev 7	ITE 5HK-350 (1200 A) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CR-75(2HPIPB)(HP-P1B)(2ES-1) HPIP 2B ESFAS INTERFACE RLY	OEE-217-48 Rev 7	CUTLER-HAMMER D23MRD30A1 2TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
2CR-76(2HPIPB)(HP-P1B)(2ES-2) HPIP 2B ESFAS INTERFACE RLY	OEE-217-48 Rev 7	CUTLER-HAMMER D23MRD30A1 2TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(2TE-09) HPI PUMP 2B OC RLY (X PHASE)	OEE-217-48 Rev 7	WESTINGHOUSE CO-5 (1875241) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TE-09) HPI PUMP 2B OC RLY (Z PHASE)	OEE-217-48 Rev 7	WESTINGHOUSE CO-5 (1875241) 2TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TE-09) HPI PUMP 2B GROUND OC RLY	OEE-217-48 Rev 7	ITE GR-5 (202D6141) 2TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(2HPIPB)(HP-P1B)(2ES-1) RO RLY (HPIP 2B)	OEE-217-48 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
RO(2HPIPB)(HP-P1B)(2ES-2) RO RLY (HPIP 2B)	OEE-217-48 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
2HPIPU0003 HPI PUMP 2C			
2TD-09 4KV SWGR 2TD BKR 09 (HPIP 2C)	OEE-217-34 Rev 3	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CR-28(2HPIPC)(HP-P1C)(2ES-2) HPIP 2C ESFAS INTERFACE RLY	OEE-217-34 Rev 3	CUTLER-HAMMER D23MRD30A1 2TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(2TD-09) HPI PUMP 2C OC RLY (X PHASE)	OEE-217-34 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TD-09) HPI PUMP 2C OC RLY (Z PHASE)	OEE-217-34 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TD-09) HPI PUMP 2C GROUND OC RLY	OEE-217-34 Rev 3	ITE GR-5 (202D6141) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(2HPIPC)(HP-P1C)(2ES-2) RO RLY (HPIP 2C)	OEE-217-34 Rev 3	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 147 of 243

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2HPVA0003 LETDOWN ISOLATION			
2CR-49(2HP-3)(HP-V2A)(2ES-1) 2HP-3 ESFAS INTERFACE RLY	OEE-251 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-43(2HP-3) 2HP-3 CONTROL RLY	OEE-251 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2HP-3)(HP-V2A)(2ES-1) RO RLY (2HP-3)	OEE-251 Rev 3	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XSF-F01C(208V)/(2HP-3)/MS 208V MCC 2XSF-F01C STARTER (2HP-3)	OEE-251 Rev 3	GTE-SYLVANIA BUL 6240 2XSF(208V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-F01C(208V)/(2HP-3)/MCB 208V MCC 2XSF BKR F01C (2HP-3)	OEE-251 Rev 3	GENERAL-ELECTRIC THED (20 A) 2XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			

2HPVA0004

LETDOWN ISOLATION

2CR-50(2HP-4)(HP-V2B)(2ES-1) 2HP-4 ESFAS INTERFACE RLY	OEE-251-01 Rev 4	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-44(2HP-4) 2HP-4 CONTROL RLY	OEE-251-01 Rev 4	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2HP-4)(HP-V2B)(2ES-1) RO RLY (2HP-4)	OEE-251-01 Rev 4	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 148 of 243

SYSTEM: **U2 High Pressure Injection**SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
2XSF-F01D(208V)/(2HP-4)/MS 208V MCC 2XSF-F01D STARTER (2HP-4)	OEE-251-01 Rev 4	GTE-SYLVANIA BUL 6240 2XSF(208V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-F01D(208V)/(2HP-4)/MCB 208V MCC 2XSF BKR F01D (2HP-4)	OEE-251-01 Rev 4	GENERAL-ELECTRIC THED (20 A) 2XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HPVA0005			
LETDOWN ISOLATION			
2HPIPS0357 LETDOWN FLOW TEMP HIGH INTERLOCK	OEE-251-03 Rev 9	UNITED ELECT J-302-454 2HPIPS0357	CA AB 783
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2CR-31(2HP-5)(HP-V3)(2ES-2) 2HP-5 ESFAS INTERFACE RLY	OEE-251-03 Rev 9	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-30(2HP-5) 2HP-5 CONTROL RLY	OEE-251-03 Rev 9	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2HP-5)(HP-V3)(2ES-2) RO RLY (2HP-5)	OEE-251-03 Rev 9	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2DIB-25/(2HP-5)/MCB 125V PPB 2DIB BKR 25 (2HP-5)	OEE-251-03 Rev 9	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HPVA0020			
RCP SEAL RETURN ISOLATION			
2CR-51(2HP-20)(HP-V12)(2ES-1) 2HP-20 ESFAS INTERFACE RLY	OEE-251-02 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RX-45(2HP-20) 2HP-20 CONTROL RLY	OEE-251-02 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2HP-20)(HP-V12)(2ES-1) RO RLY (2HP-20)	OEE-251-02 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XSF-F02C(208V)/(2HP-20)/MS 208V MCC 2XSF-F02C STARTER (2HP-20)	OEE-251-02 Rev 6	GTE-SYLVANIA BUL 6240 2XSF(208V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-F02C(208V)/(2HP-20)/MCB 208V MCC 2XSF BKR F02C (2HP-20)	OEE-251-02 Rev 6	GENERAL-ELECTRIC THED (20 A) 2XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HPVA0021			
RCP SEAL RETURN ISOLATION			
2CR-32(2HP-21)(HP-V13)(2ES-2) 2HP-21 ESFAS INTERFACE RLY	OEE-251-08 Rev 6	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-32(2HP-21) 2HP-21 CONTROL RLY	OEE-251-08 Rev 6	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2HP-21)(HP-V13)(2ES-2) RO RLY (2HP-21)	OEE-251-08 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2DIB-25(2HP-21)/MCB 125V PPB 2DIB BKR 25 (2HP-21)	OEE-251-08 Rev 6	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

2HPVA0023

HPI LDST SUCTION ISOLATION

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XL-04D/(2HP-23)/MS 208V MCC 2XL-04D STARTER (2HP-23) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-251-12 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XL	EVAL (MCC QUAL) AB 771
2XL-04D/(2HP-23)/MCB 208V MCC 2XL BKR 04D (2HP-23) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-12 Rev 2	GENERAL-ELECTRIC TEF (15/35 A) 2XL	NV AB 771
2HPVA0024 BWST SUCTION ISOLATION			
2CR-48(2HP-24)(HP-V22A)(2ES-1) 2HP-24 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-251-04 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
2RX-41(2HP-24) 2HP-24 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-251-04 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC1	GERS-RLY-AI2.4 AB 809
2RX-42(2HP-24) 2HP-24 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-251-04 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
RO(2HP-24)(HP-V22A)(2ES-1) RO RLY (2HP-24) <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-251-04 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
2XS1-R01D/(2HP-24)/MS 208V MCC 2XS1-R01D STARTER (2HP-24) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-251-04 Rev 7	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
2XS1-R01D/(2HP-24)/MCB 208V MCC 2XS1 BKR R01D (2HP-24) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-04 Rev 7	GENERAL-ELECTRIC THED (20 A) 2XS1	NV AB 796
2HPVA0025 BWST SUCTION ISOLATION			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 151 of 243

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
2CR-30(2HP-25)(HP-V22B)(2ES-2) 2HP-25 ESFAS INTERFACE RLY	OEE-251-05 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-29(2HP-25) 2HP-25 CONTROL RLY	OEE-251-05 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RX-57(2HP-25) 2HP-25 CONTROL RLY	OEE-251-05 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2HP-25)(HP-V22B)(2ES-2) RO RLY (2HP-25)	OEE-251-05 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS2-R01A/(2HP-25)/MS 208V MCC 2XS2-R01A STARTER (2HP-25)	OEE-251-05 Rev 6	CLARK BUL 6030 CY-1 (H1A) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-R01A/(2HP-25)/MCB 208V MCC 2XS2 BKR R01A (2HP-25)	OEE-251-05 Rev 6	GENERAL-ELECTRIC TED (20 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HPVA0026			
HPI TRAIN 2A INJECTION			
2CR-47(2HP-26)(HP-V24A)(2ES-1) 2HP-26 ESFAS INTERFACE RLY	OEE-251-06 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-39(2HP-26) 2HP-26 CONTROL RLY	OEE-251-06 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RX-40(2HP-26) 2HP-26 CONTROL RLY	OEE-251-06 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(2HP-26)(HP-V24A)(2ES-1) RO RLY (2HP-26)	OEE-251-06 Rev 5	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS1-R02A/(2HP-26)/MS 208V MCC 2XS1-R02A STARTER (2HP-26)	OEE-251-06 Rev 5	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R02A/(2HP-26)/MCB 208V MCC 2XS1 BKR R02A (2HP-26)	OEE-251-06 Rev 5	GENERAL-ELECTRIC TED (30 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HPVA0027			
HPI TRAIN 2B (EMERGENCY) INJECTION			
2CR-29(2HP-27)(HP-V24B)(2ES-2) 2HP-27 ESFAS INTERFACE RLY	OEE-251-07 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RX-28(2HP-27) 2HP-27 CONTROL RLY	OEE-251-07 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RX-58(2HP-27) 2HP-27 CONTROL RLY	OEE-251-07 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO(2HP-27)(HP-V24B)(2ES-2) RO RLY (2HP-27)	OEE-251-07 Rev 2	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2XS2-R01B/(2HP-27)/MS 208V MCC 2XS2-R01B STARTER (2HP-27)	OEE-251-07 Rev 2	CLARK BUL 6030 CY-1 (H1A) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-R01B/(2HP-27)/MCB 208V MCC 2XS2 BKR R01B (2HP-27)	OEE-251-07 Rev 2	GENERAL-ELECTRIC TED (40 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 153 of 243

SYSTEM: **U2 High Pressure Injection**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2HPVA0031

RCP SEAL INJ FLOW CONTROL

2HPIFT0075 RCP SEAL INJ FLOW TRANSMITTER	OM 1201-H-97 Rev DJ	ROSEMOUNT 1151HP4J22M1B2 2HPIFT0075	NV AB 783
--	---------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPIFT0101 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 1201-H-97 Rev DJ	ROSEMOUNT 1151HP 2HPIFT0101	NV AB 783
--	---------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPIFT0102 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 1201-H-97 Rev DJ	ROSEMOUNT 1151HP 2HPIFT0102	NV AB 783
--	---------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPIFT0103 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 1201-H-97 Rev DJ	ROSEMOUNT 1151HP 2HPIFT0103	NV AB 783
--	---------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPIFT0104 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 1201-H-97 Rev DJ	ROSEMOUNT 1151HP 2HPIFT0104	NV AB 783
--	---------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPIP0152 RC PUMP SEAL INLET FLOW INDICATOR	OM 1201-H-97 Rev DJ	DIXSON SG101AXYX 2UB1	NV AB 822
---	---------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPIP0199 RC PUMP SEAL INLET FLOW INDICATOR (Powered by ICS)	OM 1201-H-97 Rev DJ	DIXSON SG202AXTX 2VB3	NV AB 822
--	---------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPIP0200 RC PUMP SEAL INLET FLOW INDICATOR (Powered by ICS)	OM 1201-H-97 Rev DJ	DIXSON SG202AXTX 2VB3	NV AB 822
--	---------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HP53-FS RCP SEAL INLET FLOW SWITCH (ELECTRONIC MODULE)	OM 1201-H-97 Rev DJ	SAIC RP2049-2 2ICS	CNA AB 822
---	---------------------	--------------------------	------------------

CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Devices.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 154 of 243

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2HP60-FICANALOGMEMORY RCP SEAL INLET FLOW ANALOG MEMORY	OM 1201-H-97 Rev DJ	BAILEY CONTROLS 6620770-1 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HP60-FICCONTROLLER RCP SEAL INLET FLOW CONTROLLER	OM 1201-H-97 Rev DJ	BAILEY CONTROLS 6620255-10 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HP60-FS LOW RC PUMP SEAL FLOW	OM 1201-H-97 Rev DJ	BAILEY CONTROLS 6613303-1 2ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
2HPIEP0002 RCP SEAL INJECTION FLOW	OM 1201-H-97 Rev DJ	BAILEY CONTROLS RP1211 2HPIEP0002	NV AB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HPISS0060(2HP60-FICSELSTAT) 2HP-31 SELECTOR STATION	OM 1201-H-97 Rev DJ	BAILEY CONTROLS RU1000 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HP32-FS1 LOW RC SEAL INLET FLOW	OM 1201-H-97 Rev DJ	SAIC RP2049-2 2ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
2HP32-FS2 LOW RC SEAL INLET FLOW	OM 1201-H-97 Rev DJ	SAIC RP2049-2 2ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
2HP32-FS3 LOW RC SEAL INLET FLOW	OM 1201-H-97 Rev DJ	SAIC RP2049-2 2ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
2HP32-FS4 LOW RC SEAL INLET FLOW	OM 1201-H-97 Rev DJ	SAIC RP2049-2 2ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
62SIF/U2 2HP-31 CONTROL RLY	OM 1201-H-98 Rev DG	POTTER-BRUMFIELD KRPA14AN 2ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
83/SIF/U2 RCP SEAL INLET FLOW AUTO-MAN TRANS RELAY	OM 1201-H-98 Rev DG	BAILEY CONTROLS 6614306-1 2ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
86/FS1/U2 LOW RC SEAL INLET FLOW RLY	OM 1201-H-98 Rev DG	POTTER-BRUMFIELD KRP14AN 2ICS	GERS-RLY-ARS.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
86/FS2/U2 LOW RC SEAL INLET FLOW RLY	OM 1201-H-98 Rev DG	POTTER-BRUMFIELD KRP14AN 2ICS	GERS-RLY-ARS.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
86/FS3/U2 LOW RC SEAL INLET FLOW RLY	OM 1201-H-98 Rev DG	POTTER-BRUMFIELD KRP14AN 2ICS	GERS-RLY-ARS.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
86/FS4/U2 LOW RC SEAL INLET FLOW RLY	OM 1201-H-98 Rev DG	POTTER-BRUMFIELD KRP14AN 2ICS	GERS-RLY-ARS.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
86/SIFP/U2 RCP SEAL INLET FLOW CONTROL RLY	OM 1201-H-98 Rev DG	POTTER-BRUMFIELD KRP14AN 2ICS	GERS-RLY-ARS.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
2KM-28/MCB 120V PPB 2KM BKR 28 (2HP-31) (2SV-191)	OEE-251-28 Rev 0	ITE EQP (10 A) 2KM	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2HPVA0098			
HPI SUCTION CROSSOVER			
2XL-05D/(2HP-98)/MS 208V MCC 2XL-05D STARTER (2HP-98)	OEE-251-11 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XL	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XL-05D/(2HP-98)/MCB 208V MCC 2XL BKR 05D (2HP-98)	OEE-251-11 Rev 2	GENERAL-ELECTRIC TEF (28/68 A) 2XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2HPVA0115

HPI DISCH HEADER SEPARATION

2XN-03E/(2HP-115)/MS 208V MCC 2XN-03E STARTER (2HP-115)	OEE-251-10 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XN-03E/(2HP-115)/MCB 208V MCC 2XN BKR 03E (2HP-115)	OEE-251-10 Rev 2	GENERAL-ELECTRIC TEF (156/360 A) 2XN	NV AB 771
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPVA0355

HPI AUX SPRAY THROTTLE

2HPIML0064 2HP-355 MANUAL LOADER	OEE-251-45 Rev 1	MOORE PRODUCTS 350LANN 2UB1	NV AB 822
-------------------------------------	------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2KVIC-07/MCB 120V PPB 2KVIC BKR 07 (M/L 2HPIML0064 - 2HP-355)	OEE-251-45 Rev 1	ITE QP1 (20 A) 2KVIC	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2HPVA0405

ALT LETDOWN BOUNDARY

2XSF-F05B(600V)/(2HP-405)/MS 600V MCC 2XSF-F05B STARTER (2HP-405)	OEE-251-34 Rev 2	GTE-SYLVANIA BUL 6240 2XSF(600V)	EVAL (SSF QUAL) SSF 817
--	------------------	--	-------------------------------

EVAL - Seismically Adequate Per Test Report.

2XSF-F05B(600V)/(2HP-405)/MCB 600V MCC 2XSF BKR F05B (2HP-405)	OEE-251-34 Rev 2	GENERAL-ELECTRIC THED (20 A) 2XSF(600V)	NV SSF 817
---	------------------	---	------------------

NV - Not Vulnerable To Contact Chatter.

2HPVA0409

HPI CROSSOVER ISOLATION

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XS3-02D/(RSC-2HP-409)/MS REMOTE STARTER (2HP-409) FED FROM 600V MCC 2XS3-02D <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-251-30 Rev 7	GTE-SYLVANIA T40TA 2RSC-2HP-409/ENCL	EVAL (OSC-6642) AB 796
2XS3-02D/(2HP-409&410)/MCB 600V MCC 2XS3 BKR 02D (2HP-409 & 2HP-410) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-30 Rev 7	GENERAL-ELECTRIC THED (30 A) 2XS3	NV AB 796
2HPVA0410 HPI CROSSOVER ISOLATION			
2XS3-02D/(RSC-2HP-410)/MS REMOTE STARTER (2HP-410) FED FROM 600V MCC 2XS3-02D <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-251-31 Rev 7	GTE-SYLVANIA T40TA 2RSC-2HP-410/ENCL	EVAL (OSC-6642) AB 796
2HPVA0417 ALT LETDOWN BOUNDARY			
2XS3-F02B(600V)/(2HP-417)/MS 600V MCC 2XS3-F02B STARTER (2HP-417) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-251-38 Rev 2	GTE-SYLVANIA BUL 6240 2XS3(600V)	EVAL (SSF QUAL) SSF 817
2XS3-F02B(600V)/(2HP-417)/MCB 600V MCC 2XS3 BKR F02B (2HP-417) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-38 Rev 2	GENERAL-ELECTRIC THED (20 A) 2XS3(600V)	NV SSF 817
2HPVA0426 ALT LETDOWN PATH ISOLATION			
2XS3-F04B(600V)/(2HP-426)/MS 600V MCC 2XS3-F04B STARTER (2HP-426) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-251-44 Rev 1	GTE-SYLVANIA BUL 6240 2XS3(600V)	EVAL (SSF QUAL) SSF 817
2XS3-F04B(600V)/(2HP-426)/MCB 600V MCC 2XS3 BKR F04B (2HP-426) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-251-44 Rev 1	GENERAL-ELECTRIC THED (20 A) 2XS3(600V)	NV SSF 817

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2HPVA0428

ALT LETDOWN PATH ISOLATION

2XSF-1-F02B/(2HP-428)/MS 208V MCC 2XSF-1-F02B STARTER (2HP-428)	OEE-251-42 Rev 2	GTE-SYLVANIA BUL 6240 2XSF-1(208V)	EVAL (SSF QUAL) SSF 797
--	------------------	--	-------------------------------

EVAL - Seismically Adequate Per Test Report.

2XSF-1-F02B/(2HP-428)/MCB 208V MCC 2XSF-1 BKR F02B (2HP-428)	OEE-251-42 Rev 2	GENERAL-ELECTRIC THED (20 A) 2XSF-1(208V)	NV SSF 797
---	------------------	---	------------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 ICCM**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICCAPD/U2 ICC PLASMA DISPLAY TRAIN A	OEE-255-26 Rev 2	WESTINGHOUSE ICCM-86 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2TE1602(Typical) CORE EXIT THERMOCOUPLE 2TE1602	O-1794-A Rev 4	B & W 1104604 2CET	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCLT0123 2A RCS HOT LEG LVL (ICCM A)	O-1422-I-7 Rev 6	ITT BARTON 752 2RCLT0123	NV RB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCLT0125 RV HEAD LEVEL (ICCM A)	O-1422-I-7 Rev 6	ITT BARTON 752 2RCLT0125	NV RB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCMT0101 WR RCS PRESS TRAIN A (ICCM)	OEE-255-24 Rev 0	ROCHESTER INSTRUMENTS SC1302 2TBATWS1	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCPT0244 WR RCS PRESS TRAIN A (ICCM)	OEE-255-24 Rev 0	ITT-BARTON 753 2RCPT0244	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIA-08/MCB(ICCPDA) 120V PPB 2KVIA BKR 08 (ICC PD A)	OEE-255-26 Rev 2	ITE QPI (20 A) 2KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CP0343 UST 2A LEVEL IND (ICCM)	OEE-255-10 Rev 1	WESTINGHOUSE VX-252 2AB3	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CLT0036 UST 2A LEVEL	OEE-255-10 Rev 1	ROSEMOUNT 1153DB4RB 2CLT0036	NV TB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
ICCBPD/U2 ICC PLASMA DISPLAY TRAIN B	OEE-255-26 Rev 2	WESTINGHOUSE ICCM-86 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 160 of 243

SYSTEM: U2 ICCM

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TE1607(Typical) CORE EXIT THERMOCOUPLE 2TE1607 <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1794-F Rev 4	B & W 1104604 2CET	NV RB
2RCLT0124 2B RCS HOT LEG LVL (ICCM B) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1422-I-7 Rev 6	ITT BARTON 752 2RCLT0124	NV RB 809
2RCLT0126 RV HEAD LEVEL (ICCM B) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1422-I-7 Rev 6	ITT BARTON 752 2RCLT0126	NV RB 809
2RCMT0102 WR RCS PRESS TRAIN B (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-25 Rev 0	ROCHESTER INSTRUMENTS SC1302 2TBATWS2	NV AB 809
2RCPT0245 WR RCS PRESS TRAIN B (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-25 Rev 0	ITT-BARTON 753 2RCPT0245	NV AB 809
2KVIB-13/MCB(ICCPDB) 120V PPB 2KVIB BKR 13 (ICC PD B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-26 Rev 2	ITE QP1 (20 A) 2KVIB	NV AB 809
2CP0081 UST 2B LEVEL IND (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-10 Rev 1	WESTINGHOUSE VX-252 2AB1	NV AB 822
2CLT0015A UST 2B LEVEL <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-10 Rev 1	ROSEMOUNT 1153DB4RB 2CLT0015A	NV TB 838

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Keowee Start**

SUB SYSTEM: **Emergency Start Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR2A CHANNEL A KEOWEE EM START RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-220 Rev 4	CUTLER-HAMMER D23MRD70A1 2KESP	GERS-RLY-AI2.4 AB 809
RO(KEOSTART)(2ES-1) RO RLY KEOWEE EMERGENCY START CHANNEL A <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-220 Rev 4	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
2DIA-02/MCB 125V PPB 2DIA BKR 02 (KEOWEE EMERG START CHANNEL A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-220 Rev 4	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
CR2B CHANNEL B KEOWEE EM START RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-220-01 Rev 4	CUTLER-HAMMER D23MRD70A1 2KESP	GERS-RLY-AI2.4 AB 809
RO(KEOSTART)(2ES-2) RO RLY KEOWEE EMERGENCY START CHANNEL B <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-220-01 Rev 4	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
2DIB-02/MCB 125V PPB 2DIB BKR 02 (KEOWEE EMERG START CHANNEL B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-220-01 Rev 4	ITE EH2 (20 A) 2DIB/PPB	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 162 of 243

SYSTEM: **U2 Low Pressure Injection**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2LPIP0015 BWST TEMP INDICATION (PNEUMATIC)	O-1711-E Rev 38	GENERAL-ELECTRIC 50-180113 2UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPITT0001A BWST TEMP TRANSMITTER (PNEUMATIC)	SEISMIC REVIEW Rev 9	BAILEY CONTROLS KT-1410A 2LPITK0001	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPIP0030 LPI TRAIN 2B INJ FLOW IND	OEE-252-28 Rev 0	DIXSON SA101AXTX 2UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPIFT0004P LPI TRAIN 2B INJ FLOW TRANS (Powered by ICCM)	OEE-252-28 Rev 0	ROSEMOUNT 1153DB5RB 2LPIFT0004P	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2SKK-22/MCB(2LPIP0030) 120V PPB 2SKK BKR 22	OEE-255-31 Rev 1	SQUARE-D QOB (20 A) 2SKK	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPIP0037 LPI TRAIN 2A INJ FLOW IND	OEE-252-27 Rev 0	DIXSON SA101AXTX 2VB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPIFT0005P LPI TRAIN 2A INJ FLOW TRANS (Powered by ICCM)	OEE-252-27 Rev 0	ROSEMOUNT 1153DB5RB 2LPIFT0005P	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2SKJ-22/MCB(2LPIP0037) 120V PPB 2SKJ BKR 22	OEE-255-29 Rev 1	SQUARE-D QOB (20 A) 2SKJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPIP0346 BWST LEVEL INDICATION (Powered by ICCM)	OEE-255-04 Rev 0	WESTINGHOUSE VX-252 2UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPILT0002A BWST LEVEL TRANSMITTER (Powered by ICCM)	OEE-255-04 Rev 0	ROSEMOUNT 1153DB5PB 2LPITK0001	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2LPIP0348 LPI COOLER TEMP INDICATOR (Powered by ICS)	OM 1201-H-95 Rev DK	DIXSON SG202AXTX 2UB2	NV AB 822
--	---------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPITE0209 LPI COOLER 2B OUTLET TEMP (ICS Input)	OM 1201.H-95 Rev 0	CONAX 7S22-10000X 2LPITE0209	NV AB 809
--	--------------------	------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2LP2-TT1 LPI COOLER OUTLET TEMP SIGNAL CONVERTER (Powered by ICS)	OM 1201-H-95 Rev DK	BAILEY CONTROLS 6617480-1 2ICS	NV AB 822
--	---------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPITE0210 LPI COOLER 2A OUTLET TEMP (ICS Input)	OM 1201.H-95 Rev 0	CONAX 7S22-10000X 2LPITE0210	NV AB 809
--	--------------------	------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2LP2-TT2 LPI COOLER OUTLET TEMP SIGNAL CONVERTER (Powered by ICS)	OM 1201-H-95 Rev DK	BAILEY CONTROLS 6617480-1 2ICS	NV AB 822
--	---------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Injection**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2LPIPU0001			
2LPI PUMP A			
2TC-09 4KV SWGR 2TC BKR 09 (2LPIP A)	OEE-217-20 Rev 6	ITE 5HK-350 (1200 A) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CR-52(2LPIPA) 2LPIP A ESFAS INTERFACE RLY	OEE-217-20 Rev 6	CUTLER-HAMMER D23MRD30A1 2TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(2TC-09) 2LPI PUMP A OC RLY (X PHASE)	OEE-217-20 Rev 6	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(2TC-09) 2LPI PUMP A OC RLY (Z PHASE)	OEE-217-20 Rev 6	WESTINGHOUSE CO-5 (1875241) 2TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(2TC-09) 2LPI PUMP A GROUND OC RLY	OEE-217-20 Rev 6	ITE GR-5 (202D6141) 2TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(2LPIPA)(LP-P1A)(2ES-3) RO RLY (2LPIP A)	OEE-217-20 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

2LPIPU0002

LPI PUMP 2B

2TD-10 4KV SWGR 2TD BKR 10 (2LPIP B)	OEE-217-35 Rev 4	ITE 5HK-350 (1200 A) 2TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CR-33(2LPIPB) 2LPIP B ESFAS INTERFACE RLY	OEE-217-35 Rev 4	CUTLER-HAMMER D23MRD30A1 2TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Low Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51X(2TD-10) 2LPI PUMP B OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-35 Rev 4	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(2TD-10) 2LPI PUMP B OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-217-35 Rev 4	WESTINGHOUSE CO-5 (1875241) 2TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(2TD-10) 2LPI PUMP B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-35 Rev 4	ITE GR-5 (202D6141) 2TD	NV TB 796
RO(2LPIPB)(LP-P1B)(2ES-4) RO RLY (2LPIB) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-217-35 Rev 4	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
2LPIPU003 2LPI PUMP C			
2TE-10 4KV SWGR 2TE BKR 10 (2LPIB C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-49 Rev 3	ITE 5HK-350 (1200 A) 2TE	NV TB 796
27(2TE-10) 2LPI PUMP C UV RLY <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-217-49 Rev 3	WESTINGHOUSE CV-2 (1875508) 2TE	CA TB 796
50-51X(2TE-10) 2LPI PUMP C OC RLY (X PHASE) <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-217-49 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TE	CA TB 796
50-51Z(2TE-10) 2LPI PUMP C OC RLY (Z PHASE) <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-217-49 Rev 3	WESTINGHOUSE CO-5 (1875241) 2TE	CA TB 796
50G(2TE-10) 2LPI PUMP C GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-217-49 Rev 3	ITE GR-5 (202D6141) 2TE	NV TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Low Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

CR1/U2 2LPI PUMP C AUX RLY	OEE-217-49 Rev 3	STRUTHERS-DUNN 219BBXP 2TE	CA TB 796
-------------------------------	------------------	----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.

TDR1/U2(2TE-10) 2LPI PUMP C CONTROL RLY	OEE-217-49 Rev 3	AGASTAT 7014 PB 2TE	CA TB 796
--	------------------	---------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.

TDR2(2TE-10) 2LPI PUMP C CONTROL RLY	OEE-217-49 Rev 3	AGASTAT 7012 PBL 2TE	CA TB 796
---	------------------	----------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2LPVA0001

LPI DROPLINE ISOL FROM RCS

2RC3-PSTI RC PRESS INTERLOCK FROM ICS	OEE-252-13 Rev 6	BAILEY CONTROLS 6613303-1 2ICS	CA AB 822
--	------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

2XS1-F04D/(2LP-1)/MS 600V MCC 2XS1-F04D STARTER (2LP-1)	OEE-252-13 Rev 6	CLARK BUL 6030 CY-1 (B1A) 2XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-F04D/(2LP-1)/MCB 600V MCC 2XS1 BKR F04D (2LP-1)	OEE-252-13 Rev 6	GENERAL-ELECTRIC THEF (20 A) 2XS1	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0002

LPI DROPLINE ISOL FROM RCS

2RCPS0364 RC PRESS SWITCH	OEE-252-14 Rev 7	CUSTOM COMPONENTS CC-604GZX5-7011 2RCPS0364	CA RB 825
------------------------------	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

2XS1-F05C/(RSC-2LP-2)/MS 600V REMOTE STARTER F01B (2LP-2)	OEE-252-14 Rev 7	GTE-SYLVANIA/CLARK BUL 6200 XSF(600V)	EVAL (OSC-6642) SSF 777
--	------------------	---	-------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-F05C/(RSC-2LP-2)/MCB 600V MCC 2XS1 BKR F05C (2LP-2)	OEE-252-14 Rev 7	GENERAL-ELECTRIC THED (20 A) 2XS1	NV AB 777
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0003

LPI HOT LEG SUCTION

2XS1-R01B/(2LP-3)/MS 208V MCC 2XS1-R01B STARTER (2LP-3)	OEE-252 Rev 3	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
--	---------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2XS1-R01B/(2LP-3)/MCB 208V MCC 2XS1 BKR R01B (2LP-3)	OEE-252 Rev 3	GENERAL-ELECTRIC TED (15 A) 2XS1	NV AB 796
---	---------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0005

LPI PUMP 2A SUCTION

2XL-03E/(2LP-5)/MS 208V MCC 2XL-03E STARTER (2LP-5)	OEE-252-05 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XL	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XL-03E/(2LP-5)/MCB 208V MCC 2XL BKR 03E (2LP-5)	OEE-252-05 Rev 2	GENERAL-ELECTRIC TEF (65/165 A) 2XL	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0006

LPI SUCTION CROSSOVER

2XL-03C/(2LP-6)/MS 208V MCC 2XL-03C STARTER (2LP-6)	OEE-252-07 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XL	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XL-03C/(2LP-6)/MCB 208V MCC 2XL BKR 03C (2LP-6)	OEE-252-07 Rev 2	GENERAL-ELECTRIC TEF (65/165 A) 2XL	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0007

LPI SUCTION CROSSOVER

2XL-05E/(2LP-7)/MS 208V MCC 2XL-05E STARTER (2LP-7)	OEE-252-08 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XL	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XL-05E/(2LP-7)/MCB 208V MCC 2XL BKR 05E (2LP-7)	OEE-252-08 Rev 2	GENERAL-ELECTRIC TEF (65/165 A) 2XL	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2LPVA0008

LPI PUMP 2B SUCTION

2XN-04C/(2LP-8)/MS 208V MCC 2XN-04C STARTER (2LP-8)	OEE-252-06 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XN-04C/(2LP-8)/MCB 208V MCC 2XN BKR 04C (2LP-8)	OEE-252-06 Rev 2	GENERAL-ELECTRIC TEF (65/165 A) 2XN	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0009

LPI CROSSOVER

2XL-04E/(2LP-9)/MS 208V MCC 2XL-04E STARTER (2LP-9)	OEE-252-17 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XL	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XL-04E/(2LP-9)/MCB 208V MCC 2XL BKR 04E (2LP-9)	OEE-252-17 Rev 2	GENERAL-ELECTRIC TEF (28/68 A) 2XL	NV AB 771
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0010

LPI CROSSOVER

2XN-04B/(2LP-10)/MS 208V MCC 2XN-04B STARTER (2LP-10)	OEE-252-18 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XN-04B/(2LP-10)/MCB 208V MCC 2XN BKR 04B (2LP-10)	OEE-252-18 Rev 2	GENERAL-ELECTRIC TEF (28/68 A) 2XN	NV AB 771
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0011

LPI COOLER 2A ISOLATION

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XN-05B/(2LP-11)/MS 208V MCC 2XN-05B STARTER (2LP-11) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-252-22 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XN	EVAL (MCC QUAL) AB 771
2XN-05B/(2LP-11)/MCB 208V MCC 2XN BKR 05B (2LP-11) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-252-22 Rev 2	GENERAL-ELECTRIC TED (28/68 A) 2XN	NV AB 771
2LPVA0012 LPI COOLER 2A ISOLATION			
2XS1-R01A/(2LP-12)/MS 208V MCC 2XS1-R01A STARTER (2LP-12) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-252-15 Rev 3	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
2XS1-R01A/(2LP-12)/MCB 208V MCC 2XS1 BKR R01A (2LP-12) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-252-15 Rev 3	GENERAL-ELECTRIC TED (15 A) 2XS1	NV AB 796
2LPVA0013 LPI COOLER 2B ISOLATION			
2XN-05C/(2LP-13)/MS 208V MCC 2XN-05C STARTER (2LP-13) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-252-22 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XN	EVAL (MCC QUAL) AB 771
2XN-05C/(2LP-13)/MCB 208V MCC 2XN BKR 05C (2LP-13) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-252-22 Rev 2	GENERAL-ELECTRIC TED (65/165 A) 2XN	NV AB 771
2LPVA0014 LPI COOLER 2B ISOLATION			
2XS2-R02A/(2LP-14)/MS 208V MCC 2XS2-R02A STARTER (2LP-14) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-252-16 Rev 3	CLARK BUL 6030 CY-1 (H1A) 2XS2	EVAL (MCC QUAL) AB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XS2-R02A/(2LP-14)/MCB 208V MCC 2XS2 BKR R02A (2LP-14)	OEE-252-16 Rev 3	GENERAL-ELECTRIC THEF (15 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPVA0015			
LPI TO HPI/RBS PIGGYBACK 2A			
2XL-04C/(2LP-15)/MS 208V MCC 2XL-04C STARTER (2LP-15)	OEE-252-03 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XL	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XL-04C/(2LP-15)/MCB 208V MCC 2XL BKR 04C (2LP-15)	OEE-252-03 Rev 2	GENERAL-ELECTRIC TEF (15/35 A) 2XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPVA0016			
LPI TO HPI/RBS PIGGYBACK 2B			
2XN-04A/(2LP-16)/MS 208V MCC 2XN-04A STARTER (2LP-16)	OEE-252-04 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XN	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XN-04A/(2LP-16)/MCB 208V MCC 2XN BKR 04A (2LP-16)	OEE-252-04 Rev 2	GENERAL-ELECTRIC TEF (15/35 A) 2XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPVA0017			
LPI TRAIN 2A INJECTION ISOL			
2CR-53(2LP-17) 2LP-17 ESFAS INTERFACE RLY	OEE-252-09 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-46(2LP-17) 2LP-17 CONTROL RLY	OEE-252-09 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

RO(2LP-17)(LP-V4A)(2ES-3) RO RLY (2LP-17)	OEE-252-09 Rev 5	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2XS1-F04E/(2LP-17)/MS 600V MCC 2XS1-F04E STARTER (2LP-17)	OEE-252-09 Rev 5	CLARK BUL 6030 CY-2 (B2A) 2XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-F04E/(2LP-17)/MCB 600V MCC 2XS1 BKR F04E (2LP-17)	OEE-252-09 Rev 5	GENERAL-ELECTRIC THED (40 A) 2XS1	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0018

LPI TRAIN 2B INJECTION ISOL

2CR-34(2LP-18) 2LP-18 ESFAS INTERFACE RLY	OEE-252-10 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
--	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2RX-33(2LP-18) 2LP-18 CONTROL RLY	OEE-252-10 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
--------------------------------------	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(2LP-18)(LP-V4B)(2ES-4) RO RLY (2LP-18)	OEE-252-10 Rev 5	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2XS2-F04E/(2LP-18)/MS 600V MCC 2XS2-F04E STARTER (2LP-18)	OEE-252-10 Rev 5	CLARK BUL 6030 CY-2 (B2A) 2XS2	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS2-F04E/(2LP-18)/MCB 600V MCC 2XS2 BKR F04E (2LP-18)	OEE-252-10 Rev 5	GENERAL-ELECTRIC THED (40 A) 2XS2	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPVA0019

RB EM SUMP SUCTION

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 173 of 243

SYSTEM: **U2 Low Pressure Injection**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XS1-R02C/(2LP-19)/MS 208V MCC 2XS1-R02C STARTER (2LP-19) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-252-01 Rev 2	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
2XS1-R02C/(2LP-19)/MCB 208V MCC 2XS1 BKR R02C (2LP-19) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-252-01 Rev 2	GENERAL-ELECTRIC TEF (15 A) 2XS1	NV AB 796
2LPVA0020 RB EM SUMP SUCTION			
2XS2-R04C/(2LP-20)/MS 208V MCC 2XS2-R04C STARTER (2LP-20) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-252-02 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XS2	EVAL (MCC QUAL) AB 796
2XS2-R04C/(2LP-20)/MCB 208V MCC 2XS2 BKR R04C (2LP-20) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-252-02 Rev 2	GENERAL-ELECTRIC TEF (15 A) 2XS2	NV AB 796
2LPVA0021 BWST SUCTION ISOLATION			
2CR-65(2LP-21) 2LP-21 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-252-11 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
2CR-66(2LP-21) 2LP-21 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-252-11 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
2RX-56(2LP-21) 2LP-21 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-252-11 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
RO1(2LP-21)(2ES-3) RO RLY (2LP-21) <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-252-11 Rev 2	BAILEY CONTROLS 6623990 2ESFAS	CA AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 174 of 243

SYSTEM: U2 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
RO2(2LP-21)(2ES-7) RO RLY (2LP-21)	OEE-252-11 Rev 2	BAILEY CONTROLS 6623990 2ESFAS	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2XS1-R03C/(2LP-21)/MS 600V MCC 2XS1-R03C STARTER (2LP-21)	OEE-252-11 Rev 2	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R03C/(2LP-21)/MCB 600V MCC 2XS1 BKR R03C (2LP-21)	OEE-252-11 Rev 2	GENERAL-ELECTRIC TED (50 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPVA0022			
BWST SUCTION ISOLATION			
2CR-35(2LP-22) 2LP-22 ESFAS INTERFACE RLY	OEE-252-12 Rev 2	BAILEY CONTROLS D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2CR-67(2LP-22) 2LP-22 ESFAS INTERFACE RLY	OEE-252-12 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2RX-34(2LP-22) 2LP-22 CONTROL RLY	OEE-252-12 Rev 2	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO1(2LP-22)(2ES-4) RO RLY (2LP-22)	OEE-252-12 Rev 2	BAILEY CONTROLS 6623990 2ESFAS	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO2(2LP-22)(2ES-8) RO RLY (2LP-22)	OEE-252-12 Rev 2	BAILEY CONTROLS 6623990 2ESFAS	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
2XS2-R01C/(2LP-22)/MS 600V MCC 2XS2-R01C STARTER (2LP-22)	OEE-252-12 Rev 2	CLARK BUL 6030 CY-1 (H1A) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XS2-R01C/(2LP-22)/MCB 208V MCC 2XS2 BKR R01C (2LP-22)	OEE-252-12 Rev 2	GENERAL-ELECTRIC TED (50 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPVA0069 LPI SWITCHOVER FLOW CTRL			
2XN-03D/(2LP-69)/MS 208V MCC 2XN-03D STARTER (2LP-69)	OEE-252-20 Rev 3	CLARK BUL 6030 CY-1 (H1) 2XN	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XN-03D/(2LP-69)/MCB 208V MCC 2XN BKR 03D (2LP-69)	OEE-252-20 Rev 3	GENERAL-ELECTRIC TEF (65/165 A) 2XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPVA0103 BORON DILUTION ISOLATION			
2XSF-F06D(600V)/(2LP-103)/MS 600V MCC 2XSF-F06D STARTER (2LP-103)	OEE-252-23 Rev 3	GTE-SYLVANIA/CLARK BUL 6240 2XSF(600V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-F06D(600V)/(2LP-103)/MCB 600V MCC 2XSF BKR F06D (2LP-103)	OEE-252-23 Rev 3	GENERAL-ELECTRIC THED (20 A) 2XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPVA0104 BORON DILUTION ISOLATION			
2XS2-F02C/(2LP-104)/MS 600V MCC 2XS2-F02C STARTER (2LP-104)	OEE-252-24 Rev 4	CLARK BUL 6030 CY-1 (B1A) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-F02C/(2LP-104)/MCB 600V MCC 2XS2 BKR F02C (2LP-104)	OEE-252-24 Rev 4	GENERAL-ELECTRIC THED (20 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2LPVA0126

LPI POST ACC SAMPLE ISOL

K5/U2 LP-126 CONTROL RLY	OEE-262-02 Rev 2	POTTER-BRUMFIELD KRP11AG 2PASCP	GERS-RLY-ARS.4 AB 771
-----------------------------	------------------	---------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

1L2-37/MCB(2LP-126) 120V PPB 1L2 BKR 37 (2LP-126)	OEE-262-02 Rev 2	GENERAL-ELECTRIC TQL (20 A) 1L2	NV AB 771
--	------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2LPSVA0004

LPI COOLER 2A ISOLATION VALVE

2CR-17(2LPSW-4)(LPSW-V1A)(2ES-3) 2LPSW-4 ESFAS INTERFACE RLY	OEE-238-01 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(2LPSW-4)(LPSW-V1A)(2ES-3) RO RLY (2LPSW-4)	OEE-238-01 Rev 5	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2XS1-R03D/(2LPSW-4)/MS 208V MCC 2XS1-R03D STARTER (2LPSW-4)	OEE-238-01 Rev 5	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-R03D/(2LPSW-4)/MCB 208V MCC 2XS1 BKR R03D (2LPSW-4)	OEE-238-01 Rev 5	GENERAL-ELECTRIC TED (20 A) 2XS1	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPSVA0005

LPI COOLER 2B ISOLATION VALVE

2CR-18(2LPSW-5)(LPSW-V1B)(2ES-4) 2LPSW-5 ESFAS INTERFACE RLY	OEE-238-02 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(2LPSW-5)(LPSW-V1B)(2ES-4) RO RLY (2LPSW-5)	OEE-238-02 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2XS2-R02C/(2LPSW-5)/MS 208V MCC 2XS2-R02C STARTER (2LPSW-5)	OEE-238-02 Rev 6	CLARK BUL 6030 CY-1 (H1A) 2XS2	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS2-R02C/(2LPSW-5)/MCB 208V MCC 2XS2 BKR R02C (2LPSW-5)	OEE-238-02 Rev 6	GENERAL-ELECTRIC TEF (15 A) 2XS2	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

2LPSVA0016

RBCU 2A SUPPLY VALVE

2XO-R02A/(2LPSW-16)/MS 208V MCC 2XO-R02A STARTER (2LPSW-16)	OEE-238-03 Rev 3	CLARK BUL 6030 CY-1 (H1) 2XO	EVAL (MCC QUAL) AB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XO-R02A/(2LPSW-16)/MCB 208V MCC 2XO BKR R02A (2LPS-16)	OEE-238-03 Rev 3	GENERAL-ELECTRIC TED (28/68 A) 2XO	NV AB 796
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPSVA0018

RBCU 2A RETURN VALVE

2CR-19(2LPSW-18)(LPSW-V3A)(2ES-5) 2LPSW-18 ESFAS INTERFACE RLY	OEE-238-04 Rev 5	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(2LPSW-18)(LPSW-V3A)(2ES-5) RO RLY (2LPSW-18)	OEE-238-04 Rev 5	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2XS1-R03E/(2LPSW-18)/MS 208V MCC 2XS1-R03E STARTER (2LPSW-18)	OEE-238-04 Rev 5	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-R03E/(2LPSW-18)/MCB 208V MCC 2XS1 BKR R03E (2LPSW-18)	OEE-238-04 Rev 5	GENERAL-ELECTRIC THED (15 A) 2XS1	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2LPSVA0019

RBCU 2B SUPPLY VALVE

2XO-R02B/(2LPSW-19)/MS 208V MCC 2XO-R02B STARTER (2LPSW-19)	OEE-238-05 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XO	EVAL (MCC QUAL) AB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XO-R02B/(2LPSW-19)/MCB 208V MCC 2XO BKR R02B (2LPS-19)	OEE-238-05 Rev 2	GENERAL-ELECTRIC TED (28/68 A) 2XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPSVA0021 RBCU 2B RETURN VALVE			
2CR-20(2LPSW-21)(LPSW-V3B)(2ES-5) 2LPSW-21 ESFAS INTERFACE RLY	OEE-238-06 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2CR-68(2LPSW-21)(LPSW-V3B)(2ES-6) 2LPSW-21 ESFAS INTERFACE RLY	OEE-238-06 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2LPSW-21)(LPSW-V3B)(2ES-5) RO RLY (2LPSW-21)	OEE-238-06 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2LPSW-21)(LPSW-V3B)(2ES-6) RO RLY (2LPSW-21)	OEE-238-06 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS3-05B/(2LPSW-21)/MS 208V MCC 2XS3-05B STARTER (2LPSW-21)	OEE-238-06 Rev 6	CLARK BUL 6030 CY-1 (H1A) 2XS3	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS3-05B/(2LPSW-21)/MCB 208V MCC 2XS3 BKR 05B (2LPSW-21)	OEE-238-06 Rev 6	GENERAL-ELECTRIC TEF (15 A) 2XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPSVA0022 RBCU 2C SUPPLY VALVE			
2XP-R03A/(2LPSW-22)/MS 208V MCC 2XP-R03A STARTER (2LPSW-22)	OEE-238-07 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XP	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XP-R03A/(2LPSW-22)/MCB 208V MCC 2XP BKR R03A (2LPSW-22)	OEE-238-07 Rev 2	GENERAL-ELECTRIC TED (28/68 A) 2XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPSVA0024 RBCU 2C RETURN VALVE			
2CR-21(2LPSW-24)(LPSW-V3C)(2ES-6) 2LPSW-24 ESFAS INTERFACE RLY	OEE-238-08 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2LPSW-24)(LPSW-V3C)(2ES-6) RO RLY (2LPSW-24)	OEE-238-08 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS2-R02D/(2LPSW-24)/MS 208V MCC 2XS2-R02D STARTER (2LPSW-24)	OEE-238-08 Rev 7	CLARK BUL 6030 CY-1 (H1A) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-R02D/(2LPSW-24)/MCB 208V MCC 2XS2 BKR R02D (2LPSW-24)	OEE-238-08 Rev 7	GENERAL-ELECTRIC TED (20 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPSVA0137 TDEFW ISOLATION VALVE			
2XA-A-R05C/(2LPSW-137)/MS 208V MCC 2XA-A-R05C STARTER (2LPSW-137)	OEE-238-25 Rev 2	GTE-SYLVANIA BUL 6240 2XA-A	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XA-A-R05C/(2LPSW-137)/MCB 208V MCC 2XA-A BKR R05C (2LPSW-137)	OEE-238-25 Rev 2	GENERAL-ELECTRIC TEC (42/198 A) 2XA-A	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPSVA0251 LPI COOLER 2A CONTROL VALVE			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 181 of 243

SYSTEM: U2 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2LPSEP0022 DECAY HEAT COOLER E/P CONVERTER (2LPSW-251) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-43 Rev 1	FISHER 546 2LPSEP0022	NV TB 775
2LPSFT0124 LPI COOLER 2A FLOW XMTR (2LPSW-251) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-43 Rev 1	ROSEMOUNT 1151DP4J22B2 2LPSFT0124	NV AB 771
2LPSS0040 LPI COOLER 2A FLOW (2LPSW-251) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-43 Rev 1	MOORE PRODUCTS 352EA21NNF 2VB2	NV AB 822
2KVIA-06/(2LPSW-251)/MCB 120V PPB 2KVIA BKR 06 (2LPSW-251) (2LPSSV1000) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-50 Rev 0	ITE QP1 (20 A) 2KVIA	NV AB 809
2KVIB-14/MCB 120V PPB 2KVIB BKR 14 (2LPSW-251) (AIR) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-49 Rev 1	ITE QP1 (20 A) 2KVIB	NV AB 809
2LPSVA0252 LPI COOLER 2B CONTROL VALVE			
2LPSEP0023 DECAY HEAT COOLER E/P CONVERTER (2LPSW-252) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-43 Rev 1	FISHER 546 2LPSEP0023	NV TB 775
2LPSFT0125 LPI COOLER 2B FLOW XMTR (2LPSW-252) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-43 Rev 1	ROSEMOUNT 1151DP5J22B2 2LPSFT0125	NV AB 771
2LPSS0041 LPI COOLER 2B FLOW (2LPSW-252) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-43 Rev 1	MOORE PRODUCTS 352EA21NNF 2VB2	NV AB 822
2KVIB-06/(2LPSW-252)/MCB 120V PPB 2KVIB BKR 06 (2LPSW-252) (2LPSSV1001) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-238-51 Rev 0	ITE QP1 (20 A) 2KVIB	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2KVIC-14/MCB 120V PPB 2KVIC BKR 14 (2LPSW-252) (AIR)	OEE-238-49 Rev 1	ITE QP1 (20 A) 2KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2LPSVA0565			
RB AUX COOLERS SUPPLY VALVE			
2CR-80(2LPSW-565)(2ES-5) 2LPSW-565 ESFAS INTERFACE RLY	OEE-238-36 Rev 7	CUTLER-HAMMER D26MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2CR-81(2LPSW-565)(2ES-6) 2LPSW-565 ESFAS INTERFACE RLY	OEE-238-36 Rev 7	CUTLER-HAMMER D26MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-80(2LPSW-565) 2LPSW-565 CONTROL RLY	OEE-238-36 Rev 7	CUTLER-HAMMER D26MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2LPSW-565)(2ES-5) RO RLY (2LPSW-565)	OEE-238-36 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2LPSW-565)(2ES-6) RO RLY (2LPSW-565)	OEE-238-36 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS3-03CT/(RSC-2LPSW-565)/MS REMOTE STARTER (2LPSW-565) (FED FROM 600V MCC 2XS3-03CT)	OEE-238-36 Rev 7	SYLVANIA BUL 6020 2RSC-2LPSW-565/ENCL	EVAL (OSC-6642) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS3-03CT/(RSC-2LPSW-565)/MCB 600V MCC 2XS3 BKR 03CT (2LPSW-565)	OEE-238-36 Rev 7	GENERAL-ELECTRIC THED (20 A) 2XS3	NV AB 796

NV - Not Vulnerable To Contact Chatter.

2LPSVA0566

RBCU 3B INLET VALVE

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CR-82(2LPSW-566)(2ES-5) 2LPSW-566 ESFAS INTERFACE RLY	OEE-238-37 Rev 7	CUTLER-HAMMER D26MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2CR-83(2LPSW-566)(2ES-6) 2LPSW-566 ESFAS INTERFACE RLY	OEE-238-37 Rev 7	CUTLER-HAMMER D26MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-81(2LPSW-566) 2LPSW-566 CONTROL RLY	OEE-238-37 Rev 7	CUTLER-HAMMER D26MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2LPSW-566)(2ES-5) RO RLY (2LPSW-566)	OEE-238-37 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2LPSW-566)(2ES-6) RO RLY (2LPSW-566)	OEE-238-37 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS3-03CB/(RSC-2LPSW-566)/MS REMOTE STARTER (2LPSW-566) (FED FROM 600V MCC 2XS3-03CB)	OEE-238-37 Rev 7	SYLVANIA BUL 6020 2RSC-2LPSW-566/ENCL	EVAL (OSC-6642) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS3-03CB/(RSC-2LPSW-566)/MCB 600V MCC 2XS3 BKR 03CB (2LPSW-566)	OEE-238-37 Rev 7	GENERAL-ELECTRIC THED (20 A) 2XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Power

SUB SYSTEM: Protective Relaying

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62GXA/U2 TURBINE TRIP SIGNAL RLY	OEE-211-04 Rev 5	CUTLER-HAMMER D26MR804A 2EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86GA/U2 U2 GEN BUS LOCKOUT RLY	OEE-211-01 Rev 17	GENERAL-ELECTRIC HEA61C241 2EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86GB/U2 U2 GEN BUS LOCKOUT RLY	OEE-211-01 Rev 17	GENERAL-ELECTRIC HEA61C241 2EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86H/2 U2 GEN BACKUP LOCKOUT RELAY	OEE-211-02 Rev 12	GENERAL-ELECTRIC HEA61B238 2EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86HY/U2 U2 GEN BACKUP LOCKOUT RLY	OEE-211-02 Rev 12	GENERAL-ELECTRIC HEA61C245 2EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
2DIB-07/MCB 125V PPB 2DIB BKR 07 (UNIT 2 MAIN RELAYING)	OEE-211-01 Rev 17	ITE EH2 (20 A) 2DIB/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 185 of 243

SYSTEM: U2 Main Steam

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2MSP0059 SG 2A & 2B PRESSURE	OM 1201-H-84 Rev DH	DIXSON SG202AXTX 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSPT0024P SG 2A PRESSURE	OM 1201-H-84 Rev DH	ROSEMOUNT 1151GP9E22T1122B 2MSPT0024P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSPT0025P SG 2A PRESSURE	OM 1201-H-84 Rev DH	ROSEMOUNT 1151GP9E22T1122B 2MSPT0025P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSPT0026P SG 2B PRESSURE	OM 1201-H-84 Rev DH	ROSEMOUNT 1151GP9E22T1122B 2MSPT0026P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSPT0027P SG 2B PRESSURE	OM 1201-H-84 Rev DH	ROSEMOUNT 1151GP9E22T1122B 2MSPT0027P	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2SS6A-MS SG OUTLET PRESS LOOP A SELECTOR SWITCH	OM 1201-H-92 Rev DH	GENERAL-ELECTRIC CR-104 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2SS6A-PT1(2) SELECTED SG OUTLET PRESS LOOP A SIG CONV	OM 1201-H-84 Rev DH	BAILEY CONTROLS 6617150-3 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2SS6B-MS SG OUTLET PRESS LOOP B SELECTOR SWITCH	OM 1201-H-92 Rev DH	GENERAL-ELECTRIC CR-104 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2SS6B-PT1(2) SELECTED SG OUTLET PRESS LOOP B SIL CONV	OM 1201-H-84 Rev DH	BAILEY CONTROLS 6617150-3 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
183/SGP-A/U2 U2 SG OUTLET PRESS LOOP A CONTROL RLY	OM 1201-H-92 Rev DH	POTTER-BRUMFIELD KRP14AN 2ICS	CA AB 822

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Steam

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

183/SGP-B/U2 U2 SG OUTLET PRESS LOOP B CONTROL RLY	OM 1201-H-92 Rev DH	POTTER-BRUMFIELD KRP14AN 2ICS	CA AB 822
---	---------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2MSVA0017

TURBINE BYPASS ISOLATION

2XGB-R02C/(2MS-17)/MS 208V MCC 2XGB-R02C STARTER (2MS-17)	OEE-245-44 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XGB	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XGB-R02C/(2MS-17)/MCB 208V MCC 2XGB BKR R02C (2MS-17)	OEE-245-44 Rev 1	GENERAL-ELECTRIC TED (65/165 A) 2XGB	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0019

TURBINE BYPASS VALVE

2MSMT0006 MAIN STEAM E/P CONVERTER (MS-19)	OM 1201-H-60 Rev DK	BAILEY CONTROLS RP12 2MC-16	NV TB 796
---	---------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSPS0086 MAIN STEAM PRESS SWITCH (MS-19)	OEE-245-56 Rev 15	ATWOOD & MOR CC604GX11 2MSPS0086	CA TB 796'+6"
--	-------------------	--	---------------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2IC12A-MS(IC18.11)(MS-19&MS-22) SELECTOR STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 1201-H-60 Rev DK	BAILEY CONTROLS RU2000C-J 2ICS	CA AB 822
---	---------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2IC18.11A(MS-19&MS-22) ANALOG MEMORY STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 1201-H-60 Rev DK	SEGA S-6135 2ICS	NV AB 822
---	---------------------	------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2SS15A-MC(MS-19&MS-22) SELECTOR STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 1201-H-21 Rev DF	BAILEY CONTROLS RU6000B 2ASP	CA TB 822
--	---------------------	------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

83TBVA/U2(MS-19&MS-22) TRANSFER POWER TURBINE BY-PASS A VALVES (MS-19 & MS-22) RELAY	OM 1201-H-61 Rev DH	POTTER-BRUMFIELD KRPA14AN 2ICS	CA AB 822
--	---------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
83XTBVA/U2(MS-19&MS-22) TRANSFER POWER TURBINE BY-PASS A VALVES (MS-19 & MS-22) AUX RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1201-H-61 Rev DH	POTTER-BRUMFIELD KRPA14AN 2ICS	CA AB 822
86-1/DSC/U2(MS-19,-22,-28,&-31) SIMULATOR PLUG CONNECTION REMOVED <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1201-H-47 Rev DE	POTTER-BRUMFIELD KRPA14AN 2ICS	CA AB 822
86CVL/U2(MS-19&MS-22) LOSS OF CONDENSER VACUUM RELAY (MS-19 & MS-22) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1201-H-61 Rev DH	POTTER-BRUMFIELD KRPA14AN 2ICS	CA AB 822
2KI-01/(MS-19)/MCB 120V PPB 2KI BKR 01 (MS-19) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-56 Rev 15	ITE CC (20 A) 2KI	NV AB 809
2MSVA0022 TURBINE BYPASS VALVE			
2MSMT0007 MAIN STEAM E/P CONVERTER (MS-22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-H-60 Rev DK	BAILEY CONTROLS RP1211C E/P 2MC-16	NV TB 796
2MSPS0087 MAIN STEAM PRESS SWITCH (MS-22) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-245-56 Rev 15	ATWOOD & MOR CC604GX11 2MSPS0087	CA TB 796'+6"
2KI-01/(MS-22)/MCB 120V PPB 2KI BKR 01 (MS-22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-56 Rev 15	ITE CC (20 A) 2KI	NV AB 809
2MSVA0024 AS ISOLATION			
2XGB-R03A/(2MS-24)/MS 208V MCC 2XGB-R03A STARTER (2MS-24) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-245-46 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XGB	EVAL (MCC QUAL) TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XGB-R03A/(2MS-24)/MCB 208V MCC 2XGB BKR R03A (2MS-24)	OEE-245-46 Rev 2	GENERAL-ELECTRIC TED (65/165 A) 2XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0026 TURBINE BYPASS ISOLATION			
2XGB-R02D/(2MS-26)/MS 208V MCC 2XGB-R02D STARTER (2MS-26)	OEE-245-44 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XGB	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XGB-R02D/(2MS-26)/MCB 208V MCC 2XGB BKR R02D (2MS-26)	OEE-245-44 Rev 1	GENERAL-ELECTRIC TED (65/165 A) 2XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0028 TURBINE BYPASS VALVE			
2MSMT0013 MAIN STEAM E/P CONVERTER (MS-28)	OM 1201-H-60 Rev DK	BAILEY CONTROLS RP12 2MC-16	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSPS0088 MAIN STEAM PRESS SWITCH (MS-28)	OEE-245-56 Rev 15	ATWOOD & MOR CC604GX11 2MSPS0088	CA TB 796'+6"
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2IC12B-MS(IC18.13)(MS-28&MS-31) SELECTOR STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 1201-H-60 Rev DK	BAILEY CONTROLS RU2000C-J 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2IC18.13A(MS-28&MS-31) ANALOG MEMORY STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 1201-H-60 Rev DK	SEGA S-6135 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2SS15B-MC(MS-28&MS-31) SELECTOR STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 1201-H-21 Rev DF	BAILEY CONTROLS RU6000B 2ASP	CA TB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 190 of 243

SYSTEM: U2 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
83TBVB/U2(MS-28&MS-31) TRANSFER POWER TURBINE BY-PASS B VALVES (MS-28 & MS-31) RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1201-H-61 Rev DH	POTTER-BRUMFIELD 6614730D1 2ICS	CA AB 822
83XTBVB/U2(MS-28&MS-31) TRANSFER POWER TURBINE BY-PASS B VALVES (MS-28 & MS-31) AUX RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1201-H-61 Rev DH	POTTER-BRUMFIELD KRPA14AN 2ICS	CA AB 822
86-1CVL/U2(MS-28&MS-31) LOSS OF CONDENSER VACUUM RELAY (MS-28 & MS-31) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 1201-H-61 Rev DH	POTTER-BRUMFIELD KRPA14AN 2ICS	CA AB 822
2KI-01/(MS-28)/MCB 120V PPB 2KI BKR 01 (MS-28) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-56 Rev 15	ITE CC (20 A) 2KI	NV AB 809
2MSVA0031 TURBINE BYPASS VALVE			
2MSMT0014 MAIN STEAM E/P CONVERTER (MS-31) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-H-60 Rev DK	BAILEY CONTROLS RP12 2MC-16	NV TB 796
2MSPS0089 MAIN STEAM PRESS SWITCH (MS-31) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-245-56 Rev 15	ATWOOD & MOR CC604GX11 2MSPS0089	CA TB 796'+6"
2KI-01/(MS-31)/MCB 120V PPB 2KI BKR 01 (MS-31) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-56 Rev 15	ITE CC (20 A) 2KI	NV AB 809
2MSVA0033 AS ISOLATION			
2XGB-R03B/(2MS-33)/MS 208V MCC 2XGB-R03B STARTER (2MS-33) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-245-46 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XGB	EVAL (MCC QUAL) TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XGB-R03B/(2MS-33)/MCB 208V MCC 2XGB BKR R03B (2MS-33)	OEE-245-46 Rev 2	GENERAL-ELECTRIC TED (65/165 A) 2XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0035			
FWPT ISOLATION			
2XA-R04C/(2MS-35)/MS 208V MCC 2XA-R04C STARTER (2MS-35)	OEE-245-42 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XA-R04C/(2MS-35)/MCB 208V MCC 2XA BKR R04C (2MS-35)	OEE-245-42 Rev 2	GENERAL-ELECTRIC TED (65/165 A) 2XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0036			
FWPT ISOLATION			
2XA-R04D/(2MS-36)/MS 208V MCC 2XA-R04D STARTER (2MS-36)	OEE-245-42 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XA-R04D/(2MS-36)/MCB 208V MCC 2XA BKR R04D (2MS-36)	OEE-245-42 Rev 2	GENERAL-ELECTRIC TED (65/165 A) 2XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MSVA0047			
MS TO CSAE			
2XC-R04C/(2MS-47)/MS 208V MCC 2XC-R04C STARTER (2MS-47)	OEE-245-50 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XC	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XC-R04C/(2MS-47)/MCB 208V MCC 2XC BKR R04C (2MS-47)	OEE-245-50 Rev 2	GENERAL-ELECTRIC TED (28/68 A) 2XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Steam

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

2MSVA0076

MS RH ISOLATION

2XA-R05C/(2MS-76)/MS 208V MCC 2XA-R05C STARTER (2MS-76)	OEE-245-47 Rev 4	CLARK BUL 6030 CY-1 (H1) 2XA	EVAL (MCC QUAL) TB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XA-R05C/(2MS-76)/MCB 208V MCC 2XA BKR R05C (2MS-76)	OEE-245-47 Rev 4	GENERAL-ELECTRIC TED (65/165 A) 2XA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0077

MS TO 2ND STAGE RHTR ISOL

2HDPS0377 1ST STAGE RH PRESS SWITCH	OEE-254-05 Rev 4	ASHCROFT B424VXNH06 2HDPS0377	CA TB 822
--	------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2MSPS0276 2ND STAGE RH STEAM PRESS SWITCH (2MS-77)	OEE-254-05 Rev 4	UNITED ELECTRIC VE-J6-148 2MC-F40	CA TB 796
---	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2MSPS0293 2ND STAGE RH STEAM PRESS SWITCH (2MS-77)	OEE-254-05 Rev 4	UNITED ELECTRIC VE-J6-148 2MC-F40	CA TB 796
---	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2PS276X REHEATER AUX RLY (2MS-77)	OEE-254-05 Rev 4	CUTLER-HAMMER D23MR40A 2HBP	CA TB 822
--------------------------------------	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2PS293X REHEATER AUX RLY (2MS-77)	OEE-254-05 Rev 4	CUTLER-HAMMER D23MR40A 2HBP	CA TB 822
--------------------------------------	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

2PS377X2 REHEATER AUX RLY (2MS-77)	OEE-254-05 Rev 4	CUTLER-HAMMER D23MR44A 2HBP	CA TB 822
---------------------------------------	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XA-A-F02A/(2MS-77)/MS 208V MCC 2XA-A-F02A STARTER (MS-77) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-254-05 Rev 4	SYLVANIA/CLARK BUL 6240 2XA-A	EVAL (MCC QUAL) TB 796
2XA-A-F02A/(2MS-77)/MCB 208V MCC 2XA-A BKR F02A (2MS-77) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-254-05 Rev 4	GENERAL-ELECTRIC TEC (42/198 A) 2XA-A	NV TB 796
2MSVA0078 MS TO 2ND STAGE RHTR ISOL			
2XA-A-F02B/(2MS-78)/MS 208V MCC 2XA-A-F02B STARTER (2MS-78) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-254-21 Rev 2	SYLVANIA/CLARK BUL 6240 2XA-A	EVAL (MCC QUAL) TB 796
2XA-A-F02B/(2MS-78)/MCB 208V MCC 2XA-A BKR F02B (2MS-78) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-254-21 Rev 2	GENERAL-ELECTRIC TEC (42/198 A) 2XA-A	NV TB 796
2MSVA0079 MS RH ISOLATION			
2XA-R05D/(2MS-79)/MS 208V MCC 2XA-R05D STARTER (2MS-79) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-245-47 Rev 4	CLARK BUL 6030 CY-1 (H1) 2XA	EVAL (MCC QUAL) TB 796
2XA-R05D/(2MS-79)/MCB 208V MCC 2XA BKR R05D (2MS-79) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-245-47 Rev 4	GENERAL-ELECTRIC TED (65/165 A) 2XA	NV TB 796
2MSVA0080 MS TO 2ND STAGE RHTR ISOL			
2XA-A-F02D/(2MS-80)/MS 208V MCC 2XA-A-F02D STARTER (2MS-80) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-254-13 Rev 3	SYLVANIA/CLARK BUL 6240 2XA-A	EVAL (MCC QUAL) TB 796

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2XA-A-F02D/(2MS-80)/MCB 208V MCC 2XA-A BKR F02D (2MS-80)	OEE-254-13 Rev 3	GENERAL-ELECTRIC TEC (42/198 A) 2XA-A	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0081

MS TO 2ND STAGE RHTR ISOL

2XA-A-F02C/(2MS-81)/MS 208V MCC 2XA-A-F02C STARTER (2MS-81)	OEE-254-29 Rev 2	SYLVANIA/CLARK BUL 6240 2XA-A	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XA-A-F02C/(2MS-81)/MCB 208V MCC 2XA-A BKR F02C (2MS-81)	OEE-254-29 Rev 2	GENERAL-ELECTRIC TEC (42/198 A) 2XA-A	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0102

TURBINE STOP VALVE

2KX-01/MCB(2MS-102) 120V PPB 2KX BKR 01 (2MS-102)	OEE-221-23 Rev 3	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0103

TURBINE STOP VALVE

2KX-01/MCB(2MS-103) 120V PPB 2KX BKR 01 (2MS-103)	OEE-221-22 Rev 3	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0104

TURBINE STOP VALVE

2KX-01/MCB(2MS-104) 120V PPB 2KX BKR 01 (2MS-104)	OEE-221-21 Rev 2	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Steam

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

2MSVA0105

TURBINE STOP VALVE

2KX-01/MCB(2MS-105) 120V PPB 2KX BKR 01 (2MS-105)	OEE-221-20 Rev 3	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0106

MAIN STEAM CONTROL VALVE

2KX-01/MCB(2MS-106) 120V PPB 2KX BKR 01 (2MS-106)	OEE-221-25 Rev 2	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0107

MAIN STEAM CONTROL VALVE

2KX-01/MCB(2MS-107) 120V PPB 2KX BKR 01 (2MS-107)	OEE-221-24 Rev 2	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0108

MAIN STEAM CONTROL VALVE

2KX-01/MCB(2MS-108) 120V PPB 2KX BKR 01 (2MS-108)	OEE-221-27 Rev 3	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0109

MAIN STEAM CONTROL VALVE

2KX-01/MCB(2MS-109) 120V PPB 2KX BKR 01 (2MS-109)	OEE-221-26 Rev 3	ITE CC (20 A) 2KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2MSVA0126

MS TO AS CONTROL VALVE

2ASEP1001 VALVE POSITIONER FOR MS-126	OEE-245-84 Rev 0	FISHER CONTROLS 546 2MSVA0126	NV TB 807
--	------------------	-------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2ASPT0117P AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	OEE-245-84 Rev 0	ROSEMOUNT 1151GP8E22B2 2ASPT0117P	NV TB 796'+6"
--	------------------	---	---------------------

NV - Not Vulnerable To Contact Chatter.

2ASSS0017 VALVE CONTROLLER FOR MS-126 AND MS-129	OEE-245-85 Rev 0	MOORE PRODUCTS 352EA21VNF 2AB1	NV AB 822
---	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2KVID-10/MCB 120V PPB 2KVID BKR 10 (MS-126 & MS-129)	OEE-245-85 Rev 0	ITE QP1 (20 A) 2KVID	NV AB 809
---	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2MSVA0129

MS TO AS CONTROL VALVE

2ASEP1000 VALVE POSITIONER FOR MS-129	OEE-245-84 Rev 0	FISHER CONTROLS 546 2MSVA0129	NV TB 808
--	------------------	-------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 197 of 243

SYSTEM: U2 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BOT/U2 BACKUP OVERSPEED TRIP SWITCH (VCS840)	OEE-221-01 Rev 3	GENERAL-ELECTRIC 994D129G2 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
VCS815/U2 VOLTAGE COMPARATOR SPEED SWITCH	OEE-221-01 Rev 3	GENERAL-ELECTRIC 994D129G2 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KM405/U2 SPEED FEEDBACK TRIP AUX RELAY	OEE-221-01 Rev 3	NOT FOUND NOT FOUND 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KM406/U2 SPEED FEEDBACK TRIP AUX RELAY	OEE-221-01 Rev 3	NOT FOUND NOT FOUND 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT401/U2 BACKUP OVERSPEED TRIP TIME DELAY TEST RELAY	OEE-221-01 Rev 3	CLARE HGSM5001 2EHCVTP	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT702/U2 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-221-01 Rev 3	CLARE HGSM5001 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT215/U2 VACUUM TRIP RESET RELAY	OEE-221-02 Rev 3	CLARE HGSM5001 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
RTC-B/U2 REACTOR TRIP CONFIRMED AUX RELAY	OEE-221-02 Rev 3	CUTLER-HAMMER D23MRD074T1-24V 2CRDACBKRCAB	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
XKT-801/U2 EHC SYSTEM MASTER TRIP RELAY	OEE-221-03 Rev 3	GENERAL-ELECTRIC CR120 2EHC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Fail Trip The Turbine Required For 30 Second Main Steam Valves.</i>			
XKT-802/U2 EHC SYSTEM MECHANICAL TRIP RELAY	OEE-221-03 Rev 3	GENERAL-ELECTRIC CR120 2EHC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Fail Trip The Turbine Required For 30 Second Main Steam Valves.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Main Turbine**

SUB SYSTEM: **Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
XKT-804/U2 EHC SYSTEM TRIP SEAL-IN RELAY	OEE-221-03 Rev 3	GENERAL-ELECTRIC CR120 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2PS157AB/PS101 LOW HYDRAULIC PRESSURE SWITCH	OEE-221-05 Rev 7	BARKSDALE B2T-A32SS 2EHCPP	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2PS433/U2 HYDRAULIC PRESSURE SWITCH	OEE-221-05 Rev 7	CUSTOM CONTROL 646GZE M7-7011 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2PS434/U2 HYDRAULIC PRESSURE SWITCH	OEE-221-05 Rev 7	CUSTOM CONTROL 646GZE M7-7011 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2TOPS0183(PS16-A) FWPT 2A BEARING OIL PRESS LOW	OEE-246-02 Rev 8	SQUARE D 9013-GHG-2 2A TBOX EH	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2TOPS0199(PS16-A) FWPT 2B BEARING OIL PRESS LOW	OEE-246-03 Rev 7	SQUARE D 9013-GHG-2 2A TBOX EH	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
62-C1/U2 LOSS OF STATOR COOLANT SWITCH	OEE-221-05 Rev 7	AGASTAT 2412PF 2SCWP	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
62-C3/U2 LOSS OF STATOR COOLANT SWITCH	OEE-221-05 Rev 7	AGASTAT 2412PE 2SCWP	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS104A/U2(2PS160-61-A) VACUUM SWITCH FOR CONDENSER "A"	OEE-221-05 Rev 7	BARKSDALE D2H-M18 2CCD000A	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS104B/U2(2PS160-61-B) VACUUM SWITCH FOR CONDENSER "A"	OEE-221-05 Rev 7	BARKSDALE D2H-M18 2CCD000A	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
PS105A/U2(2PS162-63-A) VACUUM SWITCH FOR CONDENSER "B"	OEE-221-05 Rev 7	BARKSDALE D2H-M18 2CCD000B	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS105B/U2(2PS162-63-B) VACUUM SWITCH FOR CONDENSER "B"	OEE-221-05 Rev 7	BARKSDALE D2H-M18 2CCD000B	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS106A/U2(2PS164-65-A) VACUUM SWITCH FOR CONDENSER "C"	OEE-221-05 Rev 7	BARKSDALE D2H-M18 2CCD000C	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS106B/U2(2PS164-65-B) VACUUM SWITCH FOR CONDENSER "C"	OEE-221-05 Rev 7	BARKSDALE D2H-M18 2CCD000C	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS109/U2 SHAFT PUMP DISCHARGE PRESSURE SWITCH	OEE-221-05 Rev 7	PENN P72CA-8 TURBINE OIL TANK	CA TB
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2A/U2 LOOP 2A SIGNAL MONITOR CARD (SS11A-LS3)	OM 1201-H-86 Rev DK	SAIC RP 2049-2 2ICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2B/U2 LOOP 2B SIGNAL MONITOR CARD (SS11B-LS3)	OM 1201-H-86 Rev DK	SAIC RP 2049-2 2ICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2FDWLT008A LOOP 2A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 1201-H-86 Rev DK	ROSEMOUNT 1151DP 2FDWLT008A	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWLT010A LOOP 2B STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 1201-H-86 Rev DK	ROSEMOUNT 1151DP 2FDWLT010A	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2FDWLT051A LOOP 3A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 1201-H-86 Rev DK	ROSEMOUNT 1151DP 2FDWLT051A	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 200 of 243

SYSTEM: U2 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2FDWLT052A LOOP 3B STEAM GENERATOR OPERATE LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-H-86 Rev DK	ROSEMOUNT 1151DP 2FDWLT052A	NV RB
2SGLCX OTSG HI-HI LEVEL AUX RELAY <i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-221-05-A Rev 0	STRUTHERS-DUNN 219BBXP 2EHTC1	CA AB 809
3A/U2 LOOP 3A SIGNAL MONITOR CARD (SS11A-LS4) <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OM 1201-H-86 Rev DK	SAIC RP 2049-2 2ICS	CA AB 822
3B/U2 LOOP 3B SIGNAL MONITOR CARD (SS11B-LS4) <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OM 1201-H-86 Rev DK	SAIC RP 2049-2 2ICS	CA AB 822
KT107/U2 LOW HYDRAULIC PRESSURE RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-221-05 Rev 7	CLARE HGSM5001 2EHC1	CA AB 809
KT114/U2 SHAFT PUMP DISCHARGE LOW PRESSURE TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-221-05 Rev 7	CLARE HGSM5001 2EHC1	CA AB 809
KT201/U2 VACUUM TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-221-05 Rev 7	CLARE HGSM5001 2EHC1	CA AB 809
KT303/U2 LOSS OF STATOR COOLANT TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-221-05 Rev 7	CLARE HGSM5001 2EHC1	CA AB 809
KT805/U2 GEN LOCK-OUT/LOSS OF BOTH FWP/HI-HI OTSG LEVEL RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-221-05-A Rev 0	CLARE HGSM5001 2EHC1	CA AB 809
RE7/U2 TURBINE TRIP AUX RELAY <i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-246-02 Rev 8	STRUTHERS-DUNN 219DXBP 2VB3	CA AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 201 of 243

SYSTEM: U2 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RE8/U2 TURBINE TRIP AUX RELAY	OEE-246-03 Rev 7	STRUTHERS-DUNN 219DXBP 2VB3	CA AB 822
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
UVRA/U2 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-221-05 Rev 7	AGASTAT 7024 PB 2EHC1	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2DIA-07/MCB 125V PPB 2DIA BKR 07 (TURB CNTLS AUX TRIP CKT)	OEE-221-05 Rev 7	ITE EH2 (20 A) 2DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2PS155-1B/PS100-A PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	OEE-221-06 Rev 3	GENERAL-ELECTRIC CR-127 408AM 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2PS156-1B/PS100-B PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	OEE-221-06 Rev 3	GENERAL-ELECTRIC CR-127 408AM 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
EHT-2/U2 EXHAUST HOOD TEMPERATURE SWITCH	OEE-221-06 Rev 3	BURLING VD-2S 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
EHT-4/U2 EXHAUST HOOD TEMPERATURE SWITCH	OEE-221-06 Rev 3	BURLING VD-2S 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
EHT-6/U2 EXHAUST HOOD TEMPERATURE SWITCH	OEE-221-06 Rev 3	BURLING VD-2S 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
MS-HLT-1/U2 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-221-06 Rev 3	MAGNETROL 402 2TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
MS-HLT-2/U2 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-221-06 Rev 3	MAGNETROL 402 2TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 202 of 243

SYSTEM: U2 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
MS-HLT-3/U2 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-221-06 Rev 3	MAGNETROL 402 2TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
MS-HLT-4/U2 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-221-06 Rev 3	MAGNETROL 402 2TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT106/U2 EMERGENCY TRIP SYSTEM RELAY	OEE-221-06 Rev 3	CLARE HGSM5001 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT301/U2 EXHAUST HOOD TEMPERATURE TRIP RELAY	OEE-221-06 Rev 3	CLARE HGSM5001 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT601/U2 MOISTURE SEPARATOR HIGH LEVEL TRIP RELAY	OEE-221-06 Rev 3	CLARE HGSM5001 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
UVRB/U2 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-221-06 Rev 3	AGASTAT 7024 PB 2EHC1	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS11/U2(2PS135) PRESSURE SWITCH FOR THRUST BEARING WEAR DETECTOR	OEE-221-07 Rev 4	GENERAL-ELECTRIC 127B5 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS12/U2(2PS136) PRESSURE SWITCH FOR THRUST BEARING WEAR DETECTOR	OEE-221-07 Rev 4	GENERAL-ELECTRIC 127B5 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS11/U2 THRUST BEARING WEAR DETECTOR SWITCH TURBINE END	OEE-221-07 Rev 4	GENERAL-ELECTRIC 125C6475 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS12/U2 THRUST BEARING WEAR DETECTOR SWITCH GENERATOR END	OEE-221-07 Rev 4	GENERAL-ELECTRIC 125C6475 2TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
K1/U2(TWE) THRUST BEARING WEAR DETECTOR TEST TIMER	OEE-221-07 Rev 4	AGASTAT 2422PC 2TWE	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS11X/U2 THRUST BEARING WEAR DETECTOR RELAY	OEE-221-07 Rev 4	CUTLER-HAMMER D26MB 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS12X/U2 THRUST BEARING WEAR DETECTOR RELAY	OEE-221-07 Rev 4	CUTLER-HAMMER D26MB 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS11X/U2 THRUST BEARING WEAR DETECTOR AUX RELAY	OEE-221-07 Rev 4	CUTLER-HAMMER TYPE M 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS12X/U2 THRUST BEARING WEAR DETECTOR AUX RELAY	OEE-221-07 Rev 4	CUTLER-HAMMER TYPE M 2EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
UVRC/U2 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-221-07 Rev 4	AGASTAT 7024 PB 2EHC1	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Main Turbine**

SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

2VVA0186

COND VACUUM BREAKER

2XA-R02A/(2V-186)/MS 208V MCC 2XA-R02A STARTER (2V-186)	OEE-221-10 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XA	EVAL (MCC QUAL) TB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XA-R02A/(2V-186)/MCB 208V MCC 2XA BKR R02A (2V-186)	OEE-221-10 Rev 2	GENERAL-ELECTRIC TEF (15/35 A) 2XA	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2SSHVA0001

STEAM SEAL HEADER ISOL

2XA-R02C/(2SSH-01)/MS 208V MCC 2XA-R02C STARTER (2SSH-01)	OEE-221-11 Rev 3	CLARK BUL 6030 CY-1 (H1) 2XA	EVAL (MCC QUAL) TB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XA-R02C/(2SSH-01)/MCB 208V MCC 2XA BKR R02C (2SSH-01)	OEE-221-11 Rev 3	GENERAL-ELECTRIC TEF (15/35 A) 2XA	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2SSHVA0003

STEAM SEAL HEADER ISOL

2XA-R02D/(2SSH-03)/MS 208V MCC 2XA-R02D STARTER (2SSH-03)	OEE-221-12 Rev 3	CLARK BUL 6030 CY-1 (H1) 2XA	EVAL (MCC QUAL) TB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XA-R02D/(2SSH-03)/MCB 208V MCC 2XA BKR R02D (2SSH-03)	OEE-221-12 Rev 3	GENERAL-ELECTRIC TEF (28/68 A) 2XA	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Nuclear Instrumentation**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI1-NI/U2 SOURCE RANGE CHANNEL NI-1 INDICATOR	OM 1201-K Series Rev N/A	DIXSON SG202AXYX 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-1/PREAMP/U2 NI PREAMPLIFIER NI-1	OM 1201-K Series Rev N/A	GAMMA-METRICS 900218 2NI	NV AB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-1/SENS/U2 NI CHANNEL SENSOR NI-1	OM 1201-K Series Rev N/A	GAMMA-METRICS 900217-101 2NI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI1-IEA/U2 NI-1 ISOLATION EXPANSION ASSEMBLY	OM 1201-K Series Rev N/A	GAMMA-METRICS 900220-101 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI1-WRMA/U2 NI-1 WIDE RANGE MONITOR ASSEMBLY	OM 1201-K Series Rev N/A	GAMMA-METRICS 900219-101 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIA-16/MCB 120V PPB 2KVIA BKR 16 (NI MOD PWR)	O-1705 Rev 45	ITE QP1 (20 A) 2KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI2-NI/U2 SOURCE RANGE CHANNEL NI-2 INDICATOR	OM 1201-K Series Rev N/A	DIXSON SG202AXYX-4/20MADC 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-2/PREAMP/U2 NI PREAMPLIFIER NI-2	OM 1201-K Series Rev N/A	GAMMA-METRICS 900218 2NI	NV AB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-2/SENS/U2 NI CHANNEL SENSOR NI-2	OM 1201-K Series Rev N/A	GAMMA-METRICS 900217-101 2NI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI2-IEA/U2 NI-2 ISOLATION EXPANSION ASSEMBLY	OM 1201-K Series Rev N/A	GAMMA-METRICS 900220-101 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 206 of 243

SYSTEM: **U2 Nuclear Instrumentation**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI2-WRMA/U2 NI-2 WIDE RANGE MONITOR ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	GAMMA-METRICS 900219-101 2RPS	NV AB 822
2KVIB-16/MCB 120V PPB 2KVIB BKR 16 (NI MOD PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	ITE QP1 (20 A) 2KVIB	NV AB 809
NI3-NI/U2 SOURCE RANGE NI-3 INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	DIXSON SG202AXYX 2UB1	NV AB 822
NI-3/PREAMP/U2 NI PREAMPLIFIER NI-3 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	GAMMA-METRICS 900218 2NI	NV AB
NI-3/SENS/U2 NI CHANNEL SENSOR NI-3 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	GAMMA-METRICS 900217-101 2NI	NV AB
NI3-IEA/U2 NI-3 ISOLATION EXPANSION ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	GAMMA-METRICS 900220-101 2RPS	NV AB 822
NI3-WRMA/U2 NI-3 WIDE RANGE MONITOR ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	GAMMA-METRICS 900219-101 2RPS	NV AB 822
2KVIC-16/MCB 120V PPB 2KVIC BKR 16 (NI MOD PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	ITE QP1 (20 A) 2KVIC	NV AB 809
NI4-NI/U2 SOURCE RANGE NI-4 INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	DIXSON SG202AXYX-4/20MADC 2UB1	NV AB 822
NI-4/PREAMP/U2 NI PREAMPLIFIER NI-4 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201-K Series Rev N/A	GAMMA-METRICS 900218 2NI	NV AB

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 207 of 243

SYSTEM: U2 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI-4/SENS/U2 NI CHANNEL SENSOR NI-4	OM 1201-K Series Rev N/A	GAMMA-METRICS 900217-101 2NI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI4-IEA/U2 NI-4 ISOLATION EXPANSION ASSEMBLY	OM 1201-K Series Rev N/A	GAMMA-METRICS 900220-101 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI4-WRMA/U2 NI-4 WIDE RANGE MONITOR ASSEMBLY	OM 1201-K Series Rev N/A	GAMMA-METRICS 900219-101 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVID-16/MCB 120V PPB 2KVID BKR 16 (NI MOD PWR)	O-1705 Rev 45	ITE QP1 (20 A) 2KVID	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI5-NI/U2 NI-5 PWR RANGE INDICATOR	OM 1201-K Series Rev N/A	DIXSON SH202AXTX 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-5/SENS/U2 NI CHANNEL SENSOR NI-5	OM 1201-K Series Rev N/A	WESTINGHOUSE WL23636 2NI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI5-LA/LOWER/U2 NI-5 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI5-LA/UPPER/U2 NI-5 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI5-PRTC/U2 NI-5 PWR RANGE TEST CIRCUIT	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625215 2RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI5-SA/U2 NI-5 SUMMING AMPLIFIER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625202 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 208 of 243

SYSTEM: U2 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI5-DETPS/U2 NI-5 DETECTOR PWR SUPP	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621600 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIA-01/MCB 120V PPB 2KVIA BKR 01 (NI/RPS CH A PWR)	O-1705 Rev 45	ITE QP1 (20 A) 2KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-NI/U2 NI-6 PWR RANGE INDICATOR	OM 1201-K Series Rev N/A	DIXSON SH202AXTX 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-6/SENS/U2 NI CHANNEL SENSOR NI-6	OM 1201-K Series Rev N/A	WESTINGHOUSE WL23636 2NI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-LA/LOWER/U2 NI-6 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-LA/UPPER/U2 NI-6 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-PRTC/U2 NI-6 PWR RANGE TEST CIRCUIT	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625215 2RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI6-SA/U2 NI-6 SUMMING AMPLIFIER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625202 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-DETPS/U2 NI-6 DETECTOR PWR SUPP	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621600 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIB-01/MCB 120V PPB 2KVIB BKR 01 (NI/RPS CH B PWR)	O-1705 Rev 45	ITE QP1 (20 A) 2KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 209 of 243

SYSTEM: U2 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI7-NI/U2 NI-7 PWR RANGE INDICATOR	OM 1201-K Series Rev N/A	DIXSON SH202AXTX 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-7/SENS/U2 NI CHANNEL SENSOR NI-7	OM 1201-K Series Rev N/A	WESTINGHOUSE WL23636 2NI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-LA/LOWER/U2 NI-7 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-LA/UPPER/U2 NI-7 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-PRTC/U2 NI-7 PWR RANGE TEST CIRCUIT	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625215 2RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI7-SA/U2 NI-7 SUMMING AMPLIFIER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625202 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-DETPS/U2 NI-7 DETECTOR PWR SUPP	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621600 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVIC-01/MCB 120V PPB 2KVIC BKR 01 (NI/RPS CH C PWR)	O-1705 Rev 45	ITE QP1 (20 A) 2KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-NI/U2 NI-8 PWR RANGE INDICATOR	OM 1201-K Series Rev N/A	DIXSON SH202AXTX 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-8/SENS/U2 NI CHANNEL SENSOR NI-8	OM 1201-K Series Rev N/A	WESTINGHOUSE WL23636 2NI	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI8-LA/LOWER/U2 NI-8 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-LA/UPPER/U2 NI-8 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621720 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-PRTC/U2 NI-8 PWR RANGE TEST CIRCUIT	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625215 2RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI8-SA/U2 NI-8 SUMMING AMPLIFIER	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6625202 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-DETPS/U2 NI-8 DETECTOR PWR SUPP	OM 1201-K Series Rev N/A	BAILEY CONTROLS 6621600 2RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2KVID-01/MCB 120V PPB 2KVID BKR 01 (NI/RPS CH D PWR)	O-1705 Rev 45	ITE QP1 (20 A) 2KVID	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

Page 211 of 243

SYSTEM: U2 Operation Control Transfer To SSF

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CA SSF XFER RLY (2RC-5)	OEE-263-01-B Rev 0	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CB SSF XFER RLY (2RC-6)	OEE-263-01-B Rev 0	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
DA SSF XFER RLY (2RC-4)	OEE-263-01 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LA SSF XFER RLY (2HP-20)	OEE-263-01 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
MA SSF XFER RLY (2HP-3)	OEE-263-01 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
MB SSF XFER RLY (2HP-4)	OEE-263-01 Rev 2	CUTLER-HAMMER D26MR804A SSF/IC1	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
VA SSF XFER RLY (PZR HTRS)	OEE-263-01 Rev 2	CUTLER-HAMMER D26MR80A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
KSFC-02/MCB/U2 120V PPB KSFC BKR 02 (SSF XFER U2 CONT PWR)	OEE-263-01 Rev 2	GENERAL-ELECTRIC TED (20 A) KSFC	NV SSF 777

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Penetration Rm Ventilation

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2PRVA0007

RB HYDROGEN PURGE INLET

2CR-11(2PR-7)(PR-V7)(2ES-1) 2PR-7 ESFAS INTERFACE RLY	OEE-258-07 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
--	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2RX-08(2PR-7)(PR-V7)(2ES-1) 2PR-7 CONTROL RLY	OEE-258-07 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
--	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2RX-09(2PR-7)(PR-V7)(2ES-1) 2PR-7 CONTROL RLY	OEE-258-07 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	GERS-RLY-AI2.4 AB 809
--	------------------	-------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

RO(2PR-7)(PR-V7)(2ES-1) RO RLY (2PR-7)	OEE-258-07 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
---	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2XS1-R05A(2PR-7)/MS 208V MCC 2XS1-R05A STARTER (2PR-7)	OEE-258-07 Rev 6	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
---	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-R05A(2PR-7)/MCB 208V MCC 2XS1 BKR R05A (2PR-7)	OEE-258-07 Rev 6	GENERAL-ELECTRIC THEF (15 A) 2XS1	NV AB 796
--	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

2PRVA0008

RB HYDROGEN PURGE INLET

2CR-12(2PR-8)(PR-V8)(2ES-2) 2PR-8 ESFAS INTERFACE RLY	OEE-258-08 Rev 6	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
--	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2RX-10(2PR-8)(PR-V8)(2ES-2) 2PR-8 CONTROL RLY	OEE-258-08 Rev 6	CUTLER-HAMMER D23MRD30A1 2ESTC2	GERS-RLY-AI2.4 AB 809
--	------------------	---------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 213 of 243

SYSTEM: U2 Penetration Rm Ventilation

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(2PR-8)(PR-V8)(2ES-2) RO RLY (2PR-8)	OEE-258-08 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2DIB-25/(2PR-8)/MCB 125V PPB 2DIB BKR 25 (2PR-8)	OEE-258-08 Rev 6	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2PRVA0009			
RB HYDROGEN PURGE OUTLET			
2CR-13(2PR-9)(PR-V9)(2ES-1) 2PR-9 ESFAS INTERFACE RLY	OEE-258-10 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-11(2PR-9)(PR-V9)(2ES-1) 2PR-9 CONTROL RLY	OEE-258-10 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	GERS-RLY-A12.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
2RX-12(2PR-9)(PR-V9)(2ES-1) 2PR-9 CONTROL RLY	OEE-258-10 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2PR-9)(PR-V9)(2ES-1) RO RLY (2PR-9)	OEE-258-10 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS1-R05B/(2PR-9)/MS 208V MCC 2XS1-R05B STARTER (2PR-9)	OEE-258-10 Rev 6	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R05B/(2PR-9)/MCB 208V MCC 2XS1 BKR R05B (2PR-9)	OEE-258-10 Rev 6	GENERAL-ELECTRIC THEF (15 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2PRVA0010			
RB HYDROGEN PURGE OUTLET			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 214 of 243

SYSTEM: **U2 Penetration Rm Ventilation**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CR-14(2PR-10)(PR-V10)(2ES-2) 2PR-10 ESFAS INTERFACE RLY	OEE-258-09 Rev 5	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-13(2PR-10)(PR-V10)(2ES-2) 2PR-10 CONTROL RLY	OEE-258-09 Rev 5	CUTLER-HAMMER D23MRD30A1 2ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(2PR-10)(PR-V10)(2ES-2) RO RLY (2PR-10)	OEE-258-09 Rev 5	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2DIB-25/(2PR-10)/MCB 125V PPB 2DIB BKR 25 (2PR-10)	OEE-258-09 Rev 5	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2PRVA0059			
RB HYDROGEN PURGE INLET			
2XI-01BB/(RSC-2PR-59)/MS 600V MCC 2XI-01BB REMOTE STARTER (2PR-59)	OEE-258-21 Rev 1	GTE-SYLVANIA BUL 6040 TM 2RSC-2PR-59/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XI-01BB/(PRREMOTESTARTERS)/MCB 600V MCC 2XI BKR 01BB (2PR-59)	OEE-258-21 Rev 1	GENERAL-ELECTRIC THED (30 A) 2XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2PRVA0060			
RB HYDROGEN PURGE OUTLET			
2XJ-01BB/(RSC-2PR-60)/MS 600V MCC 2XJ-01BB REMOTE STARTER (2PR-60)	OEE-258-22 Rev 1	GTE-SYLVANIA BUL 6040 TM 2RSC-2PR-60/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XJ-01BB/(PRREMOTESTARTERS)/MCB 600V MCC 2XJ BKR 01BB (2PR-60)	OEE-258-22 Rev 1	GENERAL-ELECTRIC THEF (30 A) 2XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Post Accident Monitoring**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2PAMP0304 RB Containment Water Level Train A Indication <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	WESTINGHOUSE VX-252 2UB1	NV AB 822
2PAMLT0090 RB Containment Water Level Train A <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	DELAVAL GEMS-TL1 2PAMLT0090	NV RB 777'+6"
2PAMLT0090/RCVR RB Containment Water Level Train A Receiver <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	DELAVAL GEMS-TL1 2UB1	NV AB 822
2SKJ-10/MCB(2PAMP0304) 120V PPB 2SKJ BKR 10 (2PAMP0304) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	SQUARE-D QOB (20 A) 2SKJ	NV AB 809
2PAMP0305 RB Containment Water Level Train B Indication <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	WESTINGHOUSE VX-252 2UB1	NV AB 822
2PAMLT0091 RB Containment Water Level Train B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	DELAVAL GEMS-TL1 2PAMLT0091	NV RB 777'+6"
2PAMLT0091/RCVR RB Containment Water Level Train B Receiver <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	DELAVAL GEMS-TL1 2UB1	NV AB 822
2SKK-10/MCB(2PAMP0305) 120V PPB 2SKK BKR 10 (2PAMP0305) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-258-23 Rev 2	SQUARE-D QOB (20 A) 2SKK	NV AB 809

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group B**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RC3/PS5 RC PRESS INTERLOCK FROM ICS	OEE-249-10-A Rev 2	BAILEY CONTROLS 6613303-1 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RK-2/U2 PZR HTR CURRENT ALARM MODULE	OEE-249-10 Rev 14	ROCHESTER INSTRUMENTS ET-1215-T2-HI-T4-P1 IC1/IC2/MEC	CA SSF 797
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
183/BHA-2/U2 ICS AUTO SELECT RLY	OM 1201-H-79 Rev DD	BAILEY CONTROLS 6614306-1 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
183/BHO-2/U2 ICS ON SELECT RLY	OM 1201-H-79 Rev DD	BAILEY CONTROLS 6614306-1 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
183/PLL/U2 PRESS LOW LEVEL RLY	OM 1201-H-78 Rev DG	BAILEY CONTROLS 6614306-1 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
259G PZR HTR GROUND RLY (PZR HTR BANK 2 GROUP B)	OEE-249-10 Rev 14	WESTINGHOUSE CV-8 (183A205A15) PHC/SSF	CNA SSF 777
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block Operation Of The Pressurizer Heaters.</i>			
27/HI-RC/PH/U2 ICS UV RLY	OM 1201-H-80 Rev DF	BAILEY CONTROLS 6614306-1 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2PHRX PZR HTR GROUND AUX RLY	OEE-249-10 Rev 14	CUTLER-HAMMER D26MR40A PHC/SSF	GERS-RLY-AI2.4 SSF 777
<i>GERS - Seismically Adequate Per GERS.</i>			
2RX-24/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B)	OEE-249-10-A Rev 2	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2RX-25/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B)	OEE-249-10 Rev 14	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 217 of 243

SYSTEM: U2 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group B

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RX-26/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B) <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-10-A Rev 2	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
2TDR-9 PZR HTR CONTROL TIMER (PZR HTR BANK 2 GROUP B) <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-10-A Rev 2	CUTLER-HAMMER D23MR20A/D87ME30A2 PHC/SSF	CA SSF 777
2TDRX-9 PZR HTR CONTROL RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-10 Rev 14	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
COMP COMPUTER CONTACT <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-10 Rev 14	NOT FOUND NOT FOUND 2ICS	CA AB 822
CR42-9/U2 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-10-A Rev 2	CLARK KPM-1A 2XSF(600V)	CA SSF 817
2XSF-F03B(600V)/(M42-9)/MS 600V MCC 2XSF-F03B STARTER (PZR HTR BANK 2 GROUP B) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-10 Rev 14	GTE-SYLVANIA BUL 6220 2XSF(600V)	CA SSF 817
2XSF-F03B(600V)/(M42-9)/MCB 600V MCC 2XSF BKR F03B (PZR HTR BANK 2 GROUP B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-10 Rev 14	GENERAL-ELECTRIC TFJ (150 A) 2XSF(600V)	NV SSF 817
52/GRP2B PZR HTR GROUP 2B MAIN BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-10 Rev 14	GENERAL-ELECTRIC TFJ (225 A) 2B	NV RB 818
52/LB-07/U2 PZR HTR BKR BANK 2 GROUP 2B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-10 Rev 14	GENERAL-ELECTRIC THEF6 (70 A) 2B	NV RB 818
52/LB-08/U2 PZR HTR BKR BANK 2 GROUP 2B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-10 Rev 14	GENERAL-ELECTRIC THEF6 (70 A) 2B	NV RB 818

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group B**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
52/LB-09/U2 PZR HTR BKR BANK 2 GROUP 2B	OEE-249-10 Rev 14	GENERAL-ELECTRIC THEF6 (70 A) 2B	NV RB 818

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 219 of 243

SYSTEM: U2 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group C

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TDR-8 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP C) <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-12 Rev 5	CUTLER-HAMMER D23MR20A 2XI	CA AB 809
2TDRX-8 PZR HTR CONTROL RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-12 Rev 5	CUTLER-HAMMER D23MR40A 2XI	CA AB 809
50G(2XI-02A) PZR HTR GROUND OC RLY (PZR HTR BANK 2 GROUP C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-12 Rev 5	ITE GR-5 2XI	NV AB 809
CR42-8/U2 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP C) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-12 Rev 5	CLARK BUL 7305, 5U4 PM 2XI	CA AB 809
PHRX/RX-8/U2 PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP C) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-249-12 Rev 5	CLARK X5U5-3 PM 2XI	EVAL (DPC-1393.00-00-0013) AB 809
2XI-02A/(M42-8)/MS 600V MCC 2XI-02A STARTER (PZR HTR BANK 2 GROUP C) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-249-12 Rev 5	CLARK BUL 6220 SIZE 5 (F5) 2XI	CA AB 809
2XI-02A/MCB 600V MCC 2XI BKR 02A (PZR HTR BANK 2 GROUP C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-12 Rev 5	GENERAL-ELECTRIC TFJ (200 A) 2XI	NV AB 809
52/GRP2C PZR HTR GROUP 2C MAIN BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-12 Rev 5	GENERAL-ELECTRIC TFJ (225 A) 2C	NV RB 818
52/LB-03/U2 PZR HTR BKR BANK 2 GROUP 2C <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-12 Rev 5	GENERAL-ELECTRIC THEF6 (70 A) 2C	NV RB 818
52/LB-04/U2 PZR HTR BKR BANK 2 GROUP 2C <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-249-12 Rev 5	GENERAL-ELECTRIC THEF6 (70 A) 2C	NV RB 818

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group C**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

52/LB-05/U2 PZR HTR BKR BANK 2 GROUP 2C	OEE-249-12 Rev 5	GENERAL-ELECTRIC THEF6 (70 A) 2C	NV RB 818
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

52/LB-06/U2 PZR HTR BKR BANK 2 GROUP 2C	OEE-249-12 Rev 5	GENERAL-ELECTRIC THEF6 (70 A) 2C	NV RB 818
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 221 of 243

SYSTEM: U2 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group D

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2TDR-7 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP D)	OEE-249-11 Rev 8	CUTLER-HAMMER D23MR20A 2XJ	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2TDRX-7 PZR HTR CONTROL RLY	OEE-249-11 Rev 8	CUTLER-HAMMER D23MR40A 2XJ	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50G(2XJ-02A) PZR HTR GROUND OC RLY (PZR HTR BANK 2 GROUP D)	OEE-249-11 Rev 8	ITE GR-5 2XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
CR42-7/U2 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP D)	OEE-249-11 Rev 8	CLARK BUL 7305, 5U4 PM 2XJ	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PHRX/RX-7/U2 PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP D)	OEE-249-11 Rev 8	CLARK XSU5-3 PM 2XJ	EVAL (DPC-1393.00-00-0013) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XJ-02A/(M42-7)/MS 600V MCC 2XJ-02A STARTER (PZR HTR BANK 2 GROUP D)	OEE-249-11 Rev 8	CLARK BUL 6220 SIZE 5 (F5) 2XJ	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2XJ-02A/(M42-7)/MCB 600V MCC 2XJ BKR 02A (PZR HTR BANK 2 GROUP D)	OEE-249-11 Rev 8	GENERAL-ELECTRIC TFJ (200 A) 2XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/GRP2D PZR HTR GROUP 2D MAIN BKR	OEE-249-11 Rev 8	GENERAL-ELECTRIC TFJ (225 A) 2D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-01/U2 PZR HTR BKR BANK 2 GROUP 2D	OEE-249-11 Rev 8	GENERAL-ELECTRIC THEF6 (70 A) 2D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/MB-13/U2 PZR HTR BKR BANK 2 GROUP 2D	OEE-249-11 Rev 8	GENERAL-ELECTRIC THEF6 (70 A) 2D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RBCAH0020A RBCU FAN 2A	OEE-238-15 Rev 8	JOY 66-30-1170 2RBCAH0020A	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2X08-06C 600V LC 2X08 BKR 06C (RBCU 2A FAN)	OEE-238-15 Rev 8	ITE K600 (600 A) 2X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2AHRX RBCU 2A HIGH SPEED TIME DELAY RLY	OEE-238-15 Rev 8	CUTLER-HAMMER D23MR80A/D26MF 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2ALRX RBCU 2A LOW SPEED CONTROL RLY	OEE-238-15 Rev 8	CUTLER-HAMMER D23MR80A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2CR-64(RBCU-2A)(RBCU-2A)(2ES-5) RBCU 2A ESFAS INTERFACE RLY	OEE-238-15 Rev 8	CUTLER-HAMMER D23MR80A 2ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
HI-TD/RBCU-2A RBCU 2A HIGH SPEED TIMER RLY	OEE-238-15 Rev 8	AGASTAT 7022 AB 2ESTC1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-2A RBCU 2A LOW SPEED TIMER RLY	OEE-238-15 Rev 8	AGASTAT 7022 AB 2ESTC1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
R1/U2 RBCU-2A CONTROL RLY	OEE-238-15 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-2A)(2ES-5) RO RLY (RBCU 2A)	OEE-238-15 Rev 8	BAILEY CONTROLS 6623990 2ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
TR1/U2 RBCU 2A CONTROL RLY	OEE-238-15 Rev 8	CUTLER-HAMMER D23MR40A/D87ME30A2 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Reactor Building Cooling**

SUB SYSTEM: **Air Handling Units**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2XS1-F01A/(RBCUFAN2A)/MS 600V MCC 2XS1-F01A STARTER (RBCU FAN 2A)	OEE-238-15 Rev 8	CLARK BUL 6013 TM (D5A) 2XS1	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2XS1-F01A/(RBCUFAN2A)/MCB 600V MCC 2XS1 BKR F01A (RBCU FAN 2A FED FROM LC 2X8-06C)	OEE-238-15 Rev 8	GENERAL-ELECTRIC TJJ (300 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RBCDA000A RBC DAMPER 2A	OEE-238-16 Rev 2	GAMEWELL MECH. M-623 2RBCDA000A	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XS1-R05D/(RBCUFAN2ADAMPER)/MS 208V MCC 2XS1-R05D STARTER (RBCU FAN 2A DAMPER)	OEE-238-16 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R05D/(RBCUFAN2ADAMPER)/MCB 208V MCC 2XS1 BKR R05D (RBCU FAN 2A DAMPER)	OEE-238-16 Rev 2	GENERAL-ELECTRIC THEF (15 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RBCAH0020B RBCU FAN 2B	OEE-238-18 Rev 7	JOY 66-30-1170 2RBCAH0020B	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2BHRX RBCU 2B HIGH SPEED TIME DELAY RLY	OEE-238-18 Rev 7	CUTLER-HAMMER D23MR80A/D23MF 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2BLRX RBCU 2B LOW SPEED CONTROL RLY	OEE-238-18 Rev 7	CUTLER-HAMMER D23MR80A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2CR-69(RBCU-2B)(2ES-5) RBCU 2B ESFAS INTERFACE RLY	OEE-238-18 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
2CR-70(RBCU-2B)(2ES-6) RBCU 2B ESFAS INTERFACE RLY	OEE-238-18 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 224 of 243

SYSTEM: U2 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
HI-TD/RBCU-2B RBCU 2B HIGH SPEED TIMER RLY	OEE-238-18 Rev 7	AGASTAT 7022 AB 2ESTC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-2B RBCU 2B LOW SPEED TIMER RLY	OEE-238-18 Rev 7	AGASTAT 7022 AB 2ESTC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
R3/U2 RBCU 2B CONTROL RLY	OEE-238-18 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-2B)(2ES-5) RO RLY (RBCU 2B)	OEE-238-18 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
RO(RBCU-2B)(2ES-6) RO RLY (RBCU 2B)	OEE-238-18 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
TR3/U2 RBCU 2B CONTROL RLY	OEE-238-18 Rev 7	CUTLER-HAMMER D23MR40A/D87XEL30 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2XS3-01A/(RBCUFAN2B)/MS 600V MCC 2XS3-01A STARTER (RBCU FAN 2B)	OEE-238-18 Rev 7	CLARK BUL 6013 TM (D5A) 2XS3	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2XS3-01A/(RBCUFAN2B)/MCB 600V MCC 2XS3 BKR 01A (RBCU FAN 2B)	OEE-238-18 Rev 7	GENERAL-ELECTRIC TJJ (225 A) 2XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RBCDA000B RBC DAMPER 2B	OEE-238-19 Rev 4	GAMEWELL MECH. M-623 2RBCDA000B	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2ABX RBCU 2A FAN RUN RLY	OEE-238-19 Rev 4	STRUTHERS-DUNN 219ABAP 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 225 of 243

SYSTEM: **U2 Reactor Building Cooling**SUB SYSTEM: **Air Handling Units**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CBX RBCU 2C FAN RUN RLY	OEE-238-19 Rev 4	STRUTHERS-DUNN 219ABAP 2ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2XS3-05D/(RBCUFAN2BDAMPER)/MS 208V MCC 2XS3-05D STARTER (RBCU FAN 2B DAMPER)	OEE-238-19 Rev 4	CLARK BUL 6030 CY-1 (H1) 2XS3	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS3-05D/(RBCUFAN2BDAMPER)/MCB 208V MCC 2XS3 BKR 05D (RBCU FAN 2B DAMPER)	OEE-238-19 Rev 4	GENERAL-ELECTRIC TEF (15 A) 2XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RBCAH0020C RBCU FAN 2C	OEE-238-20 Rev 8	JOY 66-30-1170 2RBCAH0020C	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2X09-06C 600V LC 2X09 BKR 06C (RBCU 2C FAN)	OEE-238-20 Rev 8	ITE K600 (600 A) 2X09	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CHRX RBCU 2C HIGH SPEED CONTROL RLY	OEE-238-20 Rev 8	CUTLER-HAMMER D23MR80A/D23MF 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2CLR X RBCU-2C LOW SPEED CONT RLY	OEE-238-20 Rev 8	CUTLER-HAMMER D23MR80A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2CR-72(RBCU-2C)(2ES-6) RBCU 2C ESFAS INTERFACE RLY	OEE-238-20 Rev 8	CUTLER-HAMMER D23MR80A 2ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
HI-TD/RBCU-2C RBCU 2C HIGH SPEED TIMER RLY	OEE-238-20 Rev 8	AGASTAT 7022 AB 2ESTC2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-2C RBCU 2C LOW SPEED TIMER RLY	OEE-238-20 Rev 8	AGASTAT 7022 AB 2ESTC2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
R2/U2 RBCU 2C CONTROL RLY	OEE-238-20 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-2C)(2ES-6) RO RLY (RBCU 2C)	OEE-238-20 Rev 8	BAILEY CONTROLS 6623990 2ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
TR2/U2 RBCU 2C CONTROL RLY	OEE-238-20 Rev 8	CUTLER-HAMMER D23MR40A/D87ME30A2 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2XS2-F01A/(RBCUFAN2C)/MS 600V MCC 2XS2-F01A STARTER (RBCU FAN 2C)	OEE-238-20 Rev 8	CLARK BUL 6013 TM (D5A) 2XS2	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
2XS2-F01A/(RBCUFAN2C)/MCB 600V MCC 2XS2 BKR F01A (RBCU FAN 2C FED FROM LC 2X9-06C)	OEE-238-20 Rev 8	GENERAL-ELECTRIC TJJ (300 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RBCDA000C RBC DAMPER 2C	OEE-238-21 Rev 3	GAMEWELL MECH. M-623 2RBCDA000C	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2XS2-R04D/(RBCUFAN2CDAMPER)/MS 208V MCC 2XS2-R04D STARTER (RBCU FAN 2C DAMPER)	OEE-238-21 Rev 3	CLARK BUL 6030 CY-1 (H1) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-R04D/(RBCUFAN2CDAMPER)/MCB 208V MCC 2XS2 BKR R04D (RBCU FAN 2C DAMPER)	OEE-238-21 Rev 3	GENERAL-ELECTRIC TEF (15 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Building Spray

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2BSVA0001

RB SPRAY HEADER 2A ISOLATION

2CR-01(2BS-1)(BS-V1A)(2ES-7) 2BS-1 ESFAS INTERFACE RLY	OEE-259-03 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC1	GERS-RLY-AI2.4 AB 809
---	------------------	-------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

2RX-01(2BS-1)(BS-V1A)(2ES-7) 2BS-1 CONTROL RLY	OEE-259-03 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC1	GERS-RLY-AI2.4 AB 809
---	------------------	-------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

2RX-02(2BS-1)(BS-V1A)(2ES-7) 2BS-1 CONTROL RLY	OEE-259-03 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).

RO(2BS-1)(BS-V1A)(2ES-7) RO RLY (2BS-1)	OEE-259-03 Rev 3	BAILEY CONTROLS 6623990 2ESFAS	EVAL (OSC-6642) AB 822
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-R05C(2BS-1)/MS 208V MCC 2XS1-R05C STARTER (2BS-1)	OEE-259-03 Rev 3	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
---	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

2XS1-R05C(2BS-1)/MCB 208V MCC 2XS1 BKR R05C (2BS-1)	OEE-259-03 Rev 3	GENERAL-ELECTRIC TED (50 A) 2XS1	NV AB 796
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

2BSVA0002

RB SPRAY HEADER 2B ISOLATION

2CR-04(2BS-2)(BS-V1B)(2ES-8) 2BS-2 ESFAS INTERFACE RLY	OEE-259-04 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC2	GERS-RLY-AI2.4 AB 809
---	------------------	-------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

2RX-03(2BS-2)(BS-V1B)(2ES-8) 2BS-2 CONTROL RLY	OEE-259-04 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC2	GERS-RLY-AI2.4 AB 809
---	------------------	-------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Building Spray

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RX-04(2BS-2)(BS-V1B)(2ES-8) 2BS-2 CONTROL RLY	OEE-259-04 Rev 3	CUTLER-HAMMER D23MR40A 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO(2BS-2)(BS-V1B)(2ES-8) RO RLY (2BS-2)	OEE-259-04 Rev 3	BAILEY CONTROLS 6623990 2ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-R04A/(2BS-2)/MS 208V MCC 2XS2-R04A STARTER (2BS-2)	OEE-259-04 Rev 3	CLARK BUL 6030 CY-1 (H1A) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-R04A/(2BS-2)/MCB 208V MCC 2XS2 BKR R04A (2BS-2)	OEE-259-04 Rev 3	GENERAL-ELECTRIC TED (50 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2BSVA0003			
RBS PUMP SUCTION ISOL			
2XS1-R04E/(2BS-3)/MS 208V MCC 2XS1-R04E STARTER (2BS-3)	OEE-259-01 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R04E/(2BS-3)/MCB 208V MCC 2XS1 BKR R04E (2BS-3)	OEE-259-01 Rev 2	GENERAL-ELECTRIC THEF (15A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2BSVA0004			
RBS PUMP SUCTION ISOL			
2XS2-R01D/(2BS-4)/MS 208V MCC 2XS2-R01D STARTER (2BS-4)	OEE-259-02 Rev 2	CLARK BUL 6030 CY-1 (H1) 2XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS2-R01D/(2BS-4)/MCB 208V MCC 2XS2 BKR R01D (2BS-4)	OEE-259-02 Rev 2	GENERAL-ELECTRIC TED (20 A) 2XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RCP0365 PZR LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-34 Rev 0	DIXSON SA101AXTX 2UB1	NV AB 822
2RCLT0004P1 PRZ LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-34 Rev 0	ROSEMOUNT 1154HP5RB 2RCLT0004P1	NV RB 797'+6"
2KVIA-08/MCB(2RCP0365) 120V PPB 2KVIA BKR 08 (2RCP0365) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-26 Rev 2	ITE QP1 (20 A) 2KVIA	NV AB 809
2RCP0367 PZR TEMP INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-34 Rev 0	DIXSON SA101AXTX 2UB1	NV AB 822
2RCRD0043A PRZ RTD <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-34 Rev 0	WEED INSTRUMENT N9261 2RCRD0043A	NV RB 797'+6"
2KVIA-08/MCB(2RCP0367) 120V PPB 2KVIA BKR 08 (2RCP0367) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-26 Rev 2	ITE QP1 (20 A) 2KVIA	NV AB 809
2RCP0368 PZR LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-37 Rev 0	DIXSON SA101AXTX 2UB1	NV AB 822
2RCLT0004P3 PRZ LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-37 Rev 0	ROSEMOUNT 1154HP5RB 2RCLT0004P3	NV RB 797'+6"
2KVIA-13/MCB(RCP0368) 120V PPB 2KVIA BKR 13 (2RCP0368) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-1705 Rev 45	ITE QP1 (20 A) 2KVIA	NV AB 809
2RCP0369 PZR TEMP INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-255-37 Rev 0	DIXSON SA101AXTX 2UB1	NV AB 822

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

2RCRD0043B PRZ RTD	OEE-255-37 Rev 0	WEED INSTRUMENT N9261 2RCRD0043B	NV RB 797'+6"
------------------------------	------------------	--	---------------------

NV - Not Vulnerable To Contact Chatter.

2KVIA-13/MCB(RCP0369) 120V PPB 2KVIA BKR 13 (2RCP0369)	O-1705 Rev 45	ITE QP1 (20 A) 2KVIA	NV AB 809
---	---------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2RCP0376 ICCM WR HOT LEG TEMP INDICATION	OEE-250-20 Rev 1	DIGITEC 2820-27 2UB1	NV AB 822
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2RCRD0084B A HOT LEG RTD	OEE-255-23 Rev 0	ROSEMOUNT 177GY 2RCRD0084B	NV RB 844'+6"
------------------------------------	------------------	----------------------------------	---------------------

NV - Not Vulnerable To Contact Chatter.

2MT-87(RD84B) WR TEMP SIGNAL CONDITIONER (ICC A)	OEE-255-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 2TDC3	NV AB 809
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

TAL/U2 WR HOTLEG TEMP INDICATION CONTROL RLY	OEE-250-20 Rev 1	SQUARE-D 8501-RS14 2TDC3	CA AB 809
---	------------------	--------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

2RCRD0085B B HOT LEG RTD	OEE-255-23 Rev 0	ROSEMOUNT 177GY 2RCRD0085B	NV RB 844'+6"
------------------------------------	------------------	----------------------------------	---------------------

NV - Not Vulnerable To Contact Chatter.

2MT-89(RD85B) WR TEMP SIGNAL CONDITIONER (ICC B)	OEE-255-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 2TDC3	NV AB 809
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

TBL/U2 WR HOTLEG TEMP INDICATION CONTROL RLY	OEE-250-20 Rev 1	SQUARE-D 8501-RS14 2TDC3	CA AB 809
---	------------------	--------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

2KI-18/MCB(2RCP0376) 120V PPB 2KI BKR 18 (WR HOTLEG & COLDLEG TEMP DISPLAY	OEE-250-20 Rev 1	ITE CC (20 A) 2KI	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 231 of 243

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RCP0377 RCS COLD LEG TEMP INDICATION	OEE-250-21 Rev 0	DIGITEC 2820-27 2UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCRD0005B A2 COLD LEG RTD	OEE-250-23 Rev 0	ROSEMOUNT 177HW 2RCRD0005B	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCRD0005B BRIDGE LINEAR BRIDGE (2RCRD5B)	OEE-250-23 Rev 0	ROSEMOUNT 414F 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2RCTT0016P(RD5B) 2A2 COLD LEG TEMP XMTR (2RD5B)	OEE-250-23 Rev 0	BAILEY CONTROLS 6625050-1 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MT-83(RD05B) WR COLDLEG TEMP SIGNAL CONDITIONER	OEE-250-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 2TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
183/WRC-A/U2 U2 WR INLET TEMP LOOP A SELECTION	OM 1201-H-80 Rev DF	POTTER-BRUMFIELD KRP14AN 2ICS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
TA2/U2(RD05B) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-250-21 Rev 0	SQUARE-D 8501-RS14 2TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2RCRD0006A A1 COLD LEG RTD	OEE-250-23 Rev 0	ROSEMOUNT 177GY 2RCRD0006A	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCRD0006A BRIDGE LINEAR BRIDGE (2RCRD6A)	OEE-250-23 Rev 0	ROSEMOUNT 414F 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2RCTT0013P(RD6A) 2A1 COLD LEG TEMP XMTR (2RD6A)	OEE-250-23 Rev 0	BAILEY CONTROLS 6625050-1 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 232 of 243

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2MT-82(RD06A) WR LOOP 2A1 XMTR	OEE-250-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 2TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TA1/U2(RD06A) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-250-21 Rev 0	SQUARE-D 8501-RS14 2TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2RCRD0007B B2 COLD LEG RTD	OEE-250-23 Rev 0	ROSEMOUNT 177HW-2 2RCRD0007B	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCRD0007B BRIDGE LINEAR BRIDGE (2RCRD7B)	OEE-250-23 Rev 0	ROSEMOUNT 414F 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2RCTT0018P(RD7B) 2B2 COLD LEG TEMP XMTR (2RD7B)	OEE-250-23 Rev 0	BAILEY CONTROLS 6625050-1 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MT-85(RD07B) WR COLDLEG TEMP SIGNAL CONDITIONER	OEE-250-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 2TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
183/WRC-B/U2 U2 WR INLET TEMP LOOP B SELECTION	OM 1201-H-80 Rev DF	POTTER-BRUMFIELD KRP14AN 2ICS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
TB2/U2(RD07B) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-250-21 Rev 0	SQUARE-D 8501-RS14 2TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2RCRD0008A B1 COLD LEG RTD	OEE-250-23 Rev 0	ROSEMOUNT 177GY 2RCRD0008A	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCRD0008A BRIDGE LINEAR BRIDGE (2RCRD8A)	OEE-250-23 Rev 0	ROSEMOUNT 414F 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2RCTT0015P(RD8A) 2B1 COLD LEG TEMP XMTR (2RD8A)	OEE-250-23 Rev 0	BAILEY CONTROLS 6625050-1 2ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2MT-84(RD08A) WR RC LOOP 2B1 XMTR	OEE-250-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 2TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TB1/U2(RD08A) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-250-21 Rev 0	SQUARE-D 8501-RS14 2TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
2KI-18/MCB(2RCP0377) 120V PPB 2KI BKR 18 (WR HOTLEG & COLDLEG TEMP DISPLAY	OEE-250-21 Rev 0	ITE CC (20 A) 2KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

2RCVA0003

PRZ SPRAY ISOLATION

83-L/SSV/U2 ICS CONTROL LATCHING RLY (2RC-3) (SHOWN AS MO & MC CONTACTS) <i>GERS - Seismically Adequate Per GERS.</i>	OM 1201.H-0078 Rev DG	POTTER-BRUMFIELD KRP11AG 2ICS	GERS-RLY-ARS.4 AB 822
--	-----------------------	-------------------------------------	-----------------------------

2XO-R01D/(2RC-3)/MS 208V MCC 2XO-R01D STARTER (2RC-03) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-250-02 Rev 1	CLARK BUL 6030 CY-1 (H1) 2XO	EVAL (MCC QUAL) AB 796
--	------------------	------------------------------------	------------------------------

2XO-R01D/(2RC-3)/MCB 208V MCC 2XO BKR R01D (2RC-03) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-250-02 Rev 1	GENERAL-ELECTRIC TEF (28/68 A) 2XO	NV AB 796
--	------------------	--	-----------------

2RCVA0004

PRZ PORV BLOCK VALVE

2XSF-F06C(600V)/(2RC-4)/MS 600V MCC 2XSF-F06C STARTER (2RC-04) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-250 Rev 5	GTE-SYLVANIA/CLARK BUL 6240 2XSF(600V)	EVAL (SSF QUAL) SSF 817
--	---------------	--	-------------------------------

2XSF-F06C(600V)/(2RC-4)/MCB 600V MCC 2XSF BKR F06C (2RC-04) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-250 Rev 5	GENERAL-ELECTRIC THED (20 A) 2XSF(600V)	NV SSF 817
--	---------------	---	------------------

2RCVA0005

PRZ STEAM SAMPLE ISOLATION

2CR-54(2RC-5)(CA-V1)(2ES-1) 2RC-5 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-257 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
--	---------------	-------------------------------------	-----------------

2RX-47(2RC-5)(CA-V1)(2ES-1) 2RC-5 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-257 Rev 7	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
--	---------------	-------------------------------------	-----------------

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 235 of 243

SYSTEM: **U2 Reactor Coolant**SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
RO(2RC-5)(CA-V1)(2ES-1) RO RLY (2RC-5)	OEE-257 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XSF-1-F01D/(2RC-5)/MS 208V MCC 2XSF-1-F01D STARTER (2RC-05)	OEE-257 Rev 7	GTE-SYLVANIA/CLARK BUL 6240 2XSF-1(208V)	EVAL (SSF QUAL) SSF 797
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-1-F01D/(2RC-5)/MCB 208V MCC 2XSF-1 BKR F01D (2RC-05)	OEE-257 Rev 7	GENERAL-ELECTRIC THED (20 A) 2XSF-1(208V)	NV SSF 797
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCVA0006			
PRZ WATER SAMPLE ISOLATION			
2CR-55(2RC-6)(CA-V3)(2ES-1) 2RC-6 ESFAS INTERFACE RLY	OEE-257-01 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-48(2RC-6)(CA-V3)(2ES-1) 2RC-6 CONTROL RLY	OEE-257-01 Rev 6	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2RC-6)(CA-V3)(2ES-1) RO RLY (2RC-6)	OEE-257-01 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XSF-1-F01E/(2RC-6)/MS 208V MCC 2XSF-1-F01E STARTER (2RC-06)	OEE-257-01 Rev 6	GTE-SYLVANIA/CLARK BUL 6240 2XSF-1(208V)	EVAL (SSF QUAL) SSF 797
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XSF-1-F01E/(2RC-6)/MCB 208V MCC 2XSF-1 BKR F01E (2RC-06)	OEE-257-01 Rev 6	GENERAL-ELECTRIC THED (20 A) 2XSF-1(208V)	NV SSF 797
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCVA0007			
PRZ WATER SAMPLE ISOLATION			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CR-39(2RC-7)(2ES-2) 2RC-7 ESFAS INTERFACE RLY	OEE-257-04 Rev 7	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-35(2RC-7)(2ES-2) 2RC-7 CONTROL RLY	OEE-257-04 Rev 7	CUTLER-HAMMER D23MRD30A1 2ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(2RC-7)(2ES-2) RO RLY (2RC-7)	OEE-257-04 Rev 7	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2DIB-25/(2RC-7)/MCB 125V PPB 2DIB BKR 25 (2RC-07)	OEE-257-04 Rev 7	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCVA0066			
PRZ PORV			
2RCIS0148 2RC-66 CURRENT MODULE	OEE-250-07-A Rev 1	ROCHESTER ET-1215 2PIR	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27/HI-RC/RC-66/U2 ICS UV RLY	OM 1201.H-0080 Rev DE	BAILEY CONTROLS 6614306-1 2ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
2RCTI0148 2RC-66 CONTROL TIMER	OEE-250-07 Rev 7	AGASTAT 7012 PB 2MTC3	GERS-RLY-PNT.7 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
CRV3/U2 2RC-66 SOLENOID ACTUATOR CONTACTOR	OEE-250-07 Rev 7	ITE/GOULD P102C111 2MTC4	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second PORV (RC-66).</i>			
PRV3/U2 2RC-66 CONTROL RLY	OEE-250-07 Rev 7	CUTLER-HAMMER D26MRD30A1 2MTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RV3X/U2 2RC-66 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-250-07 Rev 7	CUTLER-HAMMER D23MRD30A1 2MTC3	GERS-RLY-AI2.4 AB 809
2DIB-24/MCB 125V PPB 2DIB BKR 24 (2RC-66) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-250-07 Rev 7	ITE EH2 (30 A) 2DIB/PPB	NV AB 809
2KD-07/MCB 120V PPB 2KD BKR 07 (2RCIS0148) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-250-07-A Rev 1	GENERAL-ELECTRIC TQL (20 A) 2KD	NV AB 809
2RCPT0017P RCS LOOP A PRESS TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201.K-0012 Rev DH	ROSEMOUNT 1154BP9RB 2RCPT0017P	NV RB 825
2RC3/PS8 RC PRESSURE CONTROL SWITCH <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second PORV (RC-66).</i>	OM 1201.H-0072 Rev DI	BAILEY CONTROLS 6613303-1 2ICS	CNA AB 822
BA(2RCPT0017P) BUFFER AMPLIFIER (2RCPT0017P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201.K-0012 Rev DH	BAILEY CONTROLS 6621670 2RPS	NV AB 822
PWRSUP(2RCPT0017P) 2RCTT0017P POWER SUPPLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201.K-0012 Rev DH	MOTOROLA 6623903 2RPS	NV AB 822
SA(2RCPT0017P) SUMMER AMPLIFIER (2RCPT0017P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201.H-0072 Rev DI	BAILEY CONTROLS 6620255 2ICS	NV AB 822
2RCPT0166P RCS LOOP B PRESS TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201.K-0051 Rev DG	MOTOROLA 56PH 2RCPT0166P	NV RB 825
BA(2RCPT0166P) BUFFER AMPLIFIER (2RCPT0166P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201.K-0051 Rev DG	BAILEY CONTROLS 6621670 2RPS	NV AB 822

Table 5-1-02

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

PWRSUP(2RCPT0166P) 2RCTT0166P POWER SUPPLY	OM 1201.K-0051 Rev DG	MOTOROLA 6623903 2RPS	NV AB 822
---	-----------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2RCVA0155

RCS HOT LEG 2A VENT

2SKJ-08/MCB(2RC-155) 120V PPB 2SKJ BKR 08 (2RC-155)	OEE-250-15 Rev 2	SQUARE-D QOB (20 A) 2SKJ	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2RCVA0157

RCS HOT LEG 2B VENT

2SKK-08/MCB(2RC-157) 120V PPB 2SKK BKR 08 (2RC-157)	OEE-250-16 Rev 2	SQUARE-D QOB (20 A) 2SKK	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2RCVA0159

RV VENT ISOLATION

2SKL-08/MCB(2RC-159) 120V PPB 2SKL BKR 08 (2RC-159)	OEE-250-17 Rev 2	SQUARE-D QOB (20 A) 2SKL	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2RCVA0160

RV VENT ISOLATION

2SKL-08/MCB(2RC-160) 120V PPB 2SKL BKR 08 (2RC-160)	OEE-250-17 Rev 2	SQUARE-D QOB (20 A) 2SKL	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

2RCVA0162

POST ACC SAMPLE PATH ISOL

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: U2 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2KVIB-09/MCB(2RC-162) 120V PPB 2KVIB BKR 09 (2RC-162)	OEE-262-04 Rev 2	ITE QP1 (20 A) 2KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCVA0163			
POST ACC SAMPLE PATH ISOL			
2KVIC-09/MCB(2RC-163) 120V PPB 2KVIC BKR 09 (2RC-163)	OEE-262-04 Rev 2	ITE QP1 (20 A) 2KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCVA0164			
POST ACC SAMPLE PATH ISOL			
2KVIB-09/MCB(2RC-164) 120V PPB 2KVIB BKR 09 (2RC-164)	OEE-262-05 Rev 2	ITE QP1 (20 A) 2KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCVA0165			
POST ACC SAMPLE PATH ISOL			
2KVIA-04/MCB(2RC-165) 120V PPB 2KVIA BKR 04 (2RC-165)	OEE-262-05 Rev 2	ITE QP1 (20 A) 2KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2RCVA0179			
POST ACC SAMPLE THROTTLE			
K6/U2 RC-179 CONTROL RLY	OEE-262-02 Rev 2	POTTER-BRUMFIELD KRP11AG 2PASCP	CA AB 771
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
1L2-37/MCB(2RC-179) 120V PPB 1L2 BKR 37 (2RC-179)	OEE-262-02 Rev 2	GENERAL-ELECTRIC TQL (20 A) 1L2	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Waste Disposal**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
2CSVA0005			
QUENCH TANK DRAIN			
2CR-59(2CS-5)(WD-V12)(2ES-1) 2CS-5 ESFAS INTERFACE RLY	OEE-260-18 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-52(2CS-5)(WD-V12)(2ES-1) 2CS-5 CONT RLY	OEE-260-18 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2CS-5)(WD-V12)(2ES-1) RO RLY (2CS-5)	OEE-260-18 Rev 8	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS1-R02D(2CS-5)/MS 208V MCC 2XS1-R02D STARTER (2CS-5)	OEE-260-18 Rev 8	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R02D(2CS-5)/MCB 208V MCC 2XS1 BKR R02D (2CS-5)	OEE-260-18 Rev 8	GENERAL-ELECTRIC THED (15 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2CSVA0006			
QUENCH TANK DRAIN			
2CR-44(2CS-6)(WD-V5)(2ES-2) 2CS-6 ESFAS INTERFACE RLY	OEE-260-14 Rev 5	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2SR5 2CS-6 CONT RLY	OEE-260-14 Rev 5	CUTLER-HAMMER D26MRD30A1 2ESTC2A	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(2CS-6)(WD-V5)(2ES-2) RO RLY (2CS-6)	OEE-260-14 Rev 5	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 241 of 243

SYSTEM: U2 Waste Disposal

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
2DIB-25/(2CS-6)/MCB 125V PPB 2DIB BKR 25 (2CS-6)	OEE-260-14 Rev 5	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2GWDVA0012			
QUENCH TANK VENT			
2CR-58(2GWD-12)(WD-V1)(2ES-1) 2GWD-12 ESFAS INTERFACE RLY	OEE-260-17 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2RX-51(2GWD-12)(WD-V1)(2ES-1) 2GWD-12 CONT RLY	OEE-260-17 Rev 8	CUTLER-HAMMER D23MR40A 2ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(2GWD-12)(WD-V1)(2ES-1) RO RLY (2GWD-12)	OEE-260-17 Rev 8	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2XS1-R02B/(2GWD-12)/MS 208V MCC 2XS1-R02B STARTER (2GWD-12)	OEE-260-17 Rev 8	CLARK BUL 6030 CY-1 (H1A) 2XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
2XS1-R02B/(2GWD-12)/MCB 208V MCC 2XS1 BKR R02B (2GWD-12)	OEE-260-17 Rev 8	GENERAL-ELECTRIC THED (15 A) 2XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
2GWDVA0013			
QUENCH TANK VENT			
2CR-42(2GWD-13)(WD-V2)(2ES-2) 2GWD-13 ESFAS INTERFACE RLY	OEE-260-13 Rev 6	CUTLER-HAMMER D23MRD30A1 2ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
2SR3 2GWD-13 CONT RLY	OEE-260-13 Rev 6	CUTLER-HAMMER D26MRD30A1 2ESTC2A	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O2

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 2

SYSTEM: **U2 Waste Disposal**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

RO(2GWD-13)(WD-V2)(2ES-2) RO RLY (2GWD-13)	OEE-260-13 Rev 6	BAILEY CONTROLS 6623990 2ESFAS	CA AB 822
---	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

2DIB-25/(2GWD-13)/MCB 125V PPB 2DIB BKR 25 (2GWD-13)	OEE-260-13 Rev 6	ITE EH2 (50 A) 2DIB/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-02

USI A-46 SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 2

Page 243 of 243

* SAT Codes

- BA - Low Ruggedness
- CA - Chatter acceptable.
- CNA - Chatter Not Acceptable
- NV - Not Vulnerable (mechanically actuated contacts and solid state relays).
- GERS - Seismically adequate based on GERS ____; include GERS number.
- NA - Component not affected by relays.
- CR - Corrective action required.
- OA - Operator action.
- EVAL - Evaluated using other test reports, etc.
- - No entry necessary

Prepared by

Boyd Cherry Date 11-11-97

Reviewed by

Ken Rolde Date 11-11-97

OCONEE NUCLEAR STATION

USI A-46 RELAY EVALUATION REPORT

Volume 3 of 3



A Duke Energy Company

December 1997

9712190175

12/15/97

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM Subsystem	Page
CT-3	
Protective Relaying	8
CT-3	
Transformer Cooling	10
EMERGENCY POWER	
Synchronizing Circuits	13
HVAC	
U3 CONTROL ROOM FANS	14
U2 CONDENSATE	
Valves	16
U3 125/250V DC PWR	
125V DC CONTROL PWR	17
U3 125/250V DC PWR	
250V DC MCC AND LGT DL2 PWR	19
U3 125/250V DC PWR	
250V DC PWR	20
U3 208V PWR (PPB)	
AC PWR	21
U3 240/120V AC PWR	
120V AC AUX PWR	22
U3 240/120V AC PWR	
120V AC ICS PWR	23
U3 240/120V AC PWR	
120V AC VITAL PWR	24
U3 240/120V AC PWR	
240/120V AC COM PWR	25

Table 5-1-03

**A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 3**

SYSTEM Subsystem	Page
U3 240/120V AC PWR	
240/120V AC REG PWR	26
U3 4160V PWR	
MAIN FEEDER BUS	27
U3 4160V PWR	
Switchgear Supply Breakers	39
U3 600/208V MOTOR CONTROL CENTERS	
208 V	46
U3 600/208V MOTOR CONTROL CENTERS	
600 V	48
U3 600V PWR (LOAD CENTERS)	
3X01	54
U3 600V PWR (LOAD CENTERS)	
3X02	56
U3 600V PWR (LOAD CENTERS)	
3X03	58
U3 600V PWR (LOAD CENTERS)	
3X04	60
U3 600V PWR (LOAD CENTERS)	
3X05	62
U3 600V PWR (LOAD CENTERS)	
3X06	64
U3 600V PWR (LOAD CENTERS)	
3X08	66
U3 600V PWR (LOAD CENTERS)	
3X09	67

Table 5-1-03

**A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 3**

SYSTEM Subsystem	Page
U3 600V PWR (LOAD CENTERS)	
3X10	68
U3 CONDENSATE	
FWPT A Controls	69
U3 CONDENSATE	
FWPT B Controls	71
U3 CONDENSATE	
Pumps	73
U3 CONDENSATE	
Valves	75
U3 CONDENSATE DC INTERLOCKS	
Controls	82
U3 CONDENSER CIRCULATING WATER	
Controls	84
U3 CONDENSER CIRCULATING WATER	
Pumps	88
U3 CONDENSER CIRCULATING WATER	
Valves	91
U3 CONTROL ROD POSITION	
Instrumentation	95
U3 EMERGENCY FEEDWATER	
ATWS Mitigation Cont	96
U3 EMERGENCY FEEDWATER	
Emergency Turbine Pump	98
U3 EMERGENCY FEEDWATER	
Instrumentation	101

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - RELAY TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U3 EMERGENCY FEEDWATER		
Pumps		104
U3 EMERGENCY FEEDWATER		
Valves		107
U3 EMERGENCY LIGHTING		
DC Lights		116
U3 EMERGENCY POWER SWITCHING LOGIC		
EPSL		117
U3 ENGINEERED SAFEGUARDS		
Analog Channel 1		133
U3 ENGINEERED SAFEGUARDS		
Analog Channel 2		134
U3 ENGINEERED SAFEGUARDS		
Analog Channel 3		135
U3 ENGINEERED SAFEGUARDS		
Controls		136
U3 ENGINEERED SAFEGUARDS		
Digital Channel 1		138
U3 ENGINEERED SAFEGUARDS		
Digital Channel 2		139
U3 ENGINEERED SAFEGUARDS		
Digital Channel 3		140
U3 ENGINEERED SAFEGUARDS		
Digital Channel 4		141
U3 ENGINEERED SAFEGUARDS		
Digital Channel 5		142

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM Subsystem	TABLE OF CONTENTS	Page
U3 ENGINEERED SAFEGUARDS		
Digital Channel 6		143
U3 ENGINEERED SAFEGUARDS		
Digital Channel 7		144
U3 ENGINEERED SAFEGUARDS		
Digital Channel 8		145
U3 HIGH PRESSURE INJECTION		
Instrumentation		146
U3 HIGH PRESSURE INJECTION		
Pumps		148
U3 HIGH PRESSURE INJECTION		
Valves		151
U3 ICCM		
Instrumentation		162
U3 KEOWEE START		
Emergency Start Controls		164
U3 LOW PRESSURE INJECTION		
Instrumentation		165
U3 LOW PRESSURE INJECTION		
Pumps		167
U3 LOW PRESSURE INJECTION		
Valves		170
U3 LOW PRESSURE SERVICE WATER		
Alarms		177
U3 LOW PRESSURE SERVICE WATER		
Pumps		178

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM Subsystem	Page
U3 LOW PRESSURE SERVICE WATER	
Valves	180
U3 MAIN POWER	
Protective Relaying	188
U3 MAIN STEAM	
Instrumentation	189
U3 MAIN STEAM	
Valves	191
U3 MAIN TURBINE	
Controls	201
U3 MAIN TURBINE	
Valves	208
U3 NUCLEAR INSTRUMENTATION	
Instrumentation	209
U3 OPERATION CONTROL TRANSFER TO SSF	
Controls	215
U3 PENETRATION RM VENTILATION	
Valves	216
U3 POST ACCIDENT MONITORING	
Instrumentation	219
U3 PRESSURIZER HEATERS	
Bank 2 Group B	220
U3 PRESSURIZER HEATERS	
Bank 2 Group C	222
U3 PRESSURIZER HEATERS	
Bank 2 Group D	224

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM Subsystem	TABLE OF CONTENTS	Page
<hr/>		
U3 REACTOR BUILDING COOLING		
Air Handling Units		226
U3 REACTOR BUILDING SPRAY		
Valves		231
U3 REACTOR COOLANT		
Instrumentation		233
U3 REACTOR COOLANT		
Valves		238
U3 WASTE DISPOSAL		
Valves		244

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **CT-3**

SUB SYSTEM: **Protective Relaying**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50B/CT3 XFMR CT3 INSTANTANEOUS OC RLY	OEE-071-02 Rev 8	GENERAL-ELECTRIC CHC11A21 3EB1	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
51TN/CT3(230KV) XFMR CT3 230 KV/NEUTRAL OC RLY	OEE-071-02 Rev 8	WESTINGHOUSE CO-7 (1875252) 3EB1	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
51TN/CT3(4160V) XFMR CT3 4.16 KV/NEUTRAL OC RLY	OEE-071-02 Rev 8	WESTINGHOUSE CO-7 (1875253) 3EB1	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
51TN/CT3(6900V) XFMR CT3 6.9 KV/NEUTRAL OC RLY	OEE-071-02 Rev 8	WESTINGHOUSE CO-7 (1875253) 3EB1	CNA AB 822
<i>CNA - Contact Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
62B1/PCB-28 PCB 28 AUX BKR FAIL RLY	OEE-071-02 Rev 8	STRUTHERS-DUNN 219BBXP 3EB1	EVAL (DPC-1393.00-00-0004) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B1/PCB-30 PCB 30 AUX BKR FAIL RLY	OEE-071-02 Rev 8	STRUTHERS-DUNN 219BBXP 3EB1	EVAL (DPC-1393.00-00-0004) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86/CT3 CT3 XFMR LOCKOUT RLY	OEE-071-02 Rev 8	ELECTRO-SWITCH LOR (SERIES 24) 3EB1	GERS-RLY-ALO.2 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
87T/CT3(X) CT2 XFMR DIFF RLY (X PHASE)	OEE-071-02 Rev 8	WESTINGHOUSE HU-1 (Low Ruggedness) 3EB1	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
87T/CT3(Y) CT2 XFMR DIFF RLY (Y PHASE)	OEE-071-02 Rev 8	WESTINGHOUSE HU-1 (Low Ruggedness) 3EB1	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			
87T/CT3(Z) CT2 XFMR DIFF RLY (Z PHASE)	OEE-071-02 Rev 8	WESTINGHOUSE HU-1 (Low Ruggedness) 3EB1	BA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate CT By Operating It's 86CT Lockout Relay .</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: CT-3

SUB SYSTEM: Protective Relaying

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
87TB/CT3(X) CT3 XFMR 230KV SUPPLY BUS DIFF RLY (X PHASE)	OEE-071-02 Rev 8	GENERAL-ELECTRIC PVD21D/NON-OP 3EB2	GERS-RLY-PPM.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
87TB/CT3(Y) CT3 XFMR 230KV SUPPLY BUS DIFF RLY (Y PHASE)	OEE-071-02 Rev 8	GENERAL-ELECTRIC PVD21D/NON-OP 3EB2	GERS-RLY-PPM.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
87TB/CT3(Z) CT3 XFMR 230KV SUPPLY BUS DIFF RLY (Z PHASE)	OEE-071-02 Rev 8	GENERAL-ELECTRIC PVD21D/NON-OP 3EB2	GERS-RLY-PPM.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
3DIA-08/MCB 125V PPB 3DIA BKR 08 (CT3 LOCKOUT)	OEE-071-02 Rev 8	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
86BU3 U3 STUP BUS LOCKOUT RLY	OEE-317-56 Rev 6	ELECTRO-SWITCH LOR (SERIES 24) 3TCPA	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
87BU3(X) U3 STUP BUS DIFF RLY (X PHASE)	OEE-317-56 Rev 6	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 3TCPA	BA TB 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>			
87BU3(Y) U3 STUP BUS DIFF RLY (Y PHASE)	OEE-317-56 Rev 6	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 3TCPA	BA TB 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>			
87BU3(Z) U3 STUP BUS DIFF RLY (Z PHASE)	OEE-317-56 Rev 6	GENERAL-ELECTRIC PVD11C11A (Low Ruggedness) 3TCPA	BA TB 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Isolate The Unit Start-Up Bus And CT.</i>			
RAR/3 CT3 STUP BUS DIFF TIME DELAY LOCKOUT INITIATE RLY	OEE-317-56 Rev 6	AGASTAT 7012 PA 3TCPA	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3DIA-31/MCB 125V PPB 3DIA BKR 31 (86BU3 LOCKOUT)	OEE-317-56 Rev 6	ITE EH2 (50 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: CT-3

SUB SYSTEM: Transformer Cooling

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
8-1(CT3) 600V DISC SWITCH FOR NORM FDR TO XFMR CT3 FANS	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC HC1 (600V) (20 A) CT3	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
88-F1A(CT3) 600V FAN MTR A FOR CT3 COOL FAN BANK #1 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F1B(CT3) 600V FAN MTR B FOR CT3 COOL FAN BANK #1 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F1C(CT3) 600V FAN MTR C FOR CT3 COOL FAN BANK #1 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F1D(CT3) 600V FAN MTR D FOR CT3 COOL FAN BANK #1 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F1E(CT3) 600V FAN MTR E FOR CT3 COOL FAN BANK #1 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F1F(CT3) 600V FAN MTR F FOR CT3 COOL FAN BANK #1 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F2G(CT3) 600V FAN MTR G FOR CT3 COOL FAN BANK #2 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F2H(CT3) 600V FAN MTR H FOR CT3 COOL FAN BANK #2 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
88-F2J(CT3) 600V FAN MTR J FOR CT3 COOL FAN BANK #2 WITH THERMO-TECTOR	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: CT-3

SUB SYSTEM: Transformer Cooling

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
88-F2K(CT3) 600V FAN MTR K FOR CT3 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
88-F2L(CT3) 600V FAN MTR L FOR CT3 COOL FAN BANK #2 WITH THERMO-TECTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC (1/3 HP) CT3	CA YD 796
89-E(CT3) CT3 AUTOMATIC THROW OVER SWITCH (EMERG) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC CR109C002BAD CT3	CA YD 796
89-N(CT3) CT3 AUTOMATIC THROW OVER SWITCH (NORM) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC CR109C002BAD CT3	CA YD 796
49(CT3) CT3 THERMAL RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	QUALITROL AWR-102 (348A476H12) CT3	CA YD 796
83-1(CT3) CT3 PWR CONTROL XFER RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	AGASTAT 2432 ABB CT3	CA YD 796
83-2(CT3) CT3 PWR CONTROL XFER RLY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	AGASTAT 2432 ABB CT3	CA YD 796
83-3(CT3) CT3 PWR CONTROL XFER RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	AGASTAT 2412 AC CT3	CA YD 796
83-4(CT3) CT3 PWR CONTROL XFER RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	AGASTAT 2412 AC CT3	CA YD 796
4(CT3) CT3 FAN MAGNETIC CONTACTOR <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC CR105C CT3	CA YD 796

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: CT-3

SUB SYSTEM: Transformer Cooling

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XB-01BB/(CT3)/MCB 600V MCC 3XB BKR 1BB (XFMR CT3 FANS)	OEE-340-12 Rev 28	GENERAL-ELECTRIC THED (50 A) 3XB	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52-1(CT3) 600V BKR (CT3 COOL FAN BANK #1)	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC TEF (15 A) CT3	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52-2(CT3) 600V BKR (CT3 COOL FAN BANK #2)	OM 2300-25-01 Rev 6	GENERAL-ELECTRIC TEF (15 A) CT3	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **Emergency Power**

SUB SYSTEM: **Synchronizing Circuits**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

27CT3 DEGRADED GRID UNDERVOLTAGE RELAY	OEE-048-E Rev 1	ABB 27N 2AT8	CA AB 809
---	-----------------	--------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Actuate The EGPS And Cannot Block Its Actuation.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: HVAC

SUB SYSTEM: U3 CONTROL ROOM FANS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3VSAH0026 OUTSIDE AIR BOOSTER FAN 'A' (F3-8)	OEE-331-11 Rev 3	AMER BLOWER CCW-THD 3VSAH0027	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XT-02C/MS 600V MCC 3XT-02C STARTER (3VSAH0026 OUTSIDE AIR BOOSTER FAN A)	OEE-331-11 Rev 3	CLARK BUL 6013 CY-1 (A1) 3XT	CA AB 838
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XT-02C/MCB 600V MCC 3XT BKR 02C (3VSAH0026 OUTSIDE AIR BOOSTER FAN A)	OEE-331-11 Rev 3	GENERAL-ELECTRIC THEF (65/165 A) 3XT	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3VSAH0027 OUTSIDE AIR BOOSTER FAN 'B' (F3-9)	OEE-331-32 Rev 0	AMER BLOWER CCW-THD 3VSAH0026	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XR-02D/MS 600V MCC 3XR-02D STARTER (3VSAH0027 OUTSIDE AIR BOOSTER FAN B)	OEE-331-32 Rev 0	CLARK BUL 6220 3XR	CA AB 838
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XR-02D/MCB 600V MCC 3XR BKR 02D (3VSAH0027 OUTSIDE AIR BOOSTER FAN B)	OEE-331-32 Rev 0	GENERAL-ELECTRIC THEF (65/165 A) 3XR	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
CD-11A BOOSTER FAN "A" INLET DAMPER (UNIT 3)	OEE-331-29 Rev 1	RUSKIN CD 60 CD-11A	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
CD-11B BOOSTER FAN "B" INLET DAMPER (UNIT 3)	OEE-331-29 Rev 1	RUSKIN CD 60 CD-11B	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KG-02/MCB 120V PPB 3KG BKR 2 (POWER FOR CD-11A & CD-11B)	OEE-331-29 Rev 1	GENERAL-ELECTRIC THQL (20 A) 3KG	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3VSDT0002 CHLORINE GAS SENSOR (UNIT 3 CONTROL ROOM INTAKE)	OEE-331-33 Rev 1	MINE SAFETY SPARE PARTS 3VSDT0002	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: HVAC

SUB SYSTEM: U3 CONTROL ROOM FANS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BFI/GD/U3 CHLORINE GAS DETECTOR (CDI) FOR UNIT 3 CONTROL ROOM	OEE-331-33 Rev 1	MINE SAFETY 5100 3VSMN0001	CA AB 838
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CDR2(U3) CHLORINE GAS DETECTOR AUX RELAY	OEE-331-33 Rev 1	CUTLER-HAMMER D26MR80A 3AT3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3KG-34/MCB 120V PPB 3KG BKR 34 (POWER TO CHLORINE DETECTOR 3VSDT0002)	OEE-331-33 Rev 1	GOULD EQP (10 A) 3KG	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U2 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

CR-219 POL DEMIN ISOL VALVE C-240 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
--	---------------------	---	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 17 of 247

SYSTEM: U3 125/250V DC PWR
SUB SYSTEM: 125V DC CONTROL PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DCA-01A/MCB 125V DC 3DCA BKR 01A (3DCA TO 3DCB)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCA-01B/MCB 125V DC 3DCA BKR 01B (3CA BATT CHGR)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCA-02A/MCB 125V DC 3DCA BKR 02A (3CA CTRL BATT)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCA-02B/MCB 125V DC 3DCA BKR 02B (3CS STBY CHGR)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XS1-F04A/MCB 600V MCC 3XS1 BKR F04A (3CA CHGR)	O-2703-G Rev 39	GENERAL-ELECTRIC TFJ (200 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-01A/MCB 125V DC 3DCB BKR 01A (3DCB TO 3DCA)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-01B/MCB 125V DC 3DCB BKR 01B (3CB BATT CHGR)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-02A/MCB 125V DC 3DCB BKR 02A (3CB CTRL BATT)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-02B/MCB 125V DC 3DCB BKR 02B (3CS STBY CHGR)	O-2705 Rev 49	GENERAL-ELECTRIC THKM8 (2400/8000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XS2-F04D/MCB 600V MCC 3XS2 BKR F04D (BATT CHGR 3CB)	O-2703-G Rev 39	GENERAL-ELECTRIC TFJ (200 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 125/250V DC PWR
 SUB SYSTEM: 125V DC CONTROL PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
1DCA-03C/MCB 125V DC 1DCA BKR 03C (ISOL DIODE 3ADA) (3DIA)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCA-03C/MCB 125V DC 3DCA BKR 03C (ISOL DIODE 3ADA) (3DIA)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCB-03C/MCB 125V DC 1DCB BKR 03C (ISOL DIODE 3ADB) (3DIC)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCA-03D/MCB 125V DC 3DCA BKR 03D (ISOL DIODE 3ADB) (3DIB)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCA-03D/MCB 125V DC 1DCA BKR 03D (ISOL DIODE 3ADC) (3DIC)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-03C/MCB 125V DC 3DCB BKR 03C (ISOL DIODE 3ADC) (3DIC)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
1DCB-03D/MCB 125V DC 1DCB BKR 03D (ISOL DIODE 3ADD) (3DID)	O-705 Rev 59	GENERAL-ELECTRIC THFK (900/2000 A) 1DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-03D/MCB 125V DC 3DCB BKR 03D (ISOL DIODE 3ADD) (3DID)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 125/250V DC PWR

SUB SYSTEM: 250V DC MCC AND LGT DL2 PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DP-F03CL/MCB 125/250V DC 3DP BKR F03CL (250V PPB 3DL2)	O-2705-B Rev 17	GENERAL-ELECTRIC THED (100 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DL2-07/MCB 250V DC PPB 3DL2 BKR 7 (LPPB 3L22)	O-2705-B Rev 17	GENERAL-ELECTRIC TED (20A) 3DL2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DL2-08/MCB 250V DC PPB 3DL2 BKR 8 (LPPB 3L21)	O-2705-B Rev 17	GENERAL-ELECTRIC TED (20A) 3DL2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 20 of 247

SYSTEM: U3 125/250V DC PWR

SUB SYSTEM: 250V DC PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DP-F04A/MCB 125/250V DC 3DP BKR F04A (3PA BATT)	O-2705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F04B/MCB 125/250V DC 3DP BKR F04B (3PA BATT CHGR)	O-2705-B Rev 17	GENERAL-ELECTRIC THJK (1500/5000 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F04C/MCB 125/250V DC 3DP BKR F04C (3PS BATT CHGR)	O-2705-B Rev 17	GENERAL-ELECTRIC THJK (1500/5000 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XO-F01AT/MCB 600V MCC 3XO BKR F01AT (BATT CHARGER 3PA)	O-2703-D Rev 35	GENERAL-ELECTRIC THED (50 A) 3XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F05A/MCB 125/250V DC 3DP BKR F05A (3PB BATT)	O-2705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F05B/MCB 125/250V DC 3DP BKR F05B (3PB BATT CHGR)	O-2705-B Rev 17	GENERAL-ELECTRIC THJK (1500/5000 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F05C/MCB 125/250V DC 3DP BKR F05C (3PS BATT CHGR)	O-2705-B Rev 17	GENERAL-ELECTRIC THJK (1500/5000 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XP-F01AT/MCB 600V MCC 3XP BKR F01AT (BATT CHARGER 3PB)	O-2703-E Rev 26	GENERAL-ELECTRIC THED (50 A) 3XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F02A/MCB 125/250V DC 3DP BKR F02A (2DP TO 3DP TIE MCB)	O-2705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F02B/MCB 125/250V DC 3DP BKR F02B (2DP TO 3DP TIE MCB)	O-2705-B Rev 17	GENERAL-ELECTRIC THKM8 (2400/6400 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 208V PWR (PPB)

SUB SYSTEM: AC PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XGA-F05AB/MCB 600V MCC 3XGA BKR F05AB (PPB 3KC) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-A Rev 28	GENERAL-ELECTRIC THED (50 A) 3XGA	NV TB 796
3XN-08BB/MCB 208V MCC 3XN BKR 8BB (PPB 3KD) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-E Rev 26	GENERAL-ELECTRIC TED (100 A) 3XN	NV AB 771
3XO-R03BT/MCB 208V MCC 3XO BKR R03BT (PPB 3KE) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-D Rev 35	GENERAL-ELECTRIC TED (100 A) 3XO	NV AB 796
3XT-05BT/MCB 208V MCC 3XT BKR 05BT (PPB 3KG) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-C Rev 29	GENERAL-ELECTRIC TED (100 A) 3XT	NV AB 838
3XO-R06BT/MCB 208V MCC 3XO BKR R06BT (PPB 3KM) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-D Rev 35	GENERAL-ELECTRIC TED (50 A) 3XO	NV AB 796
3XL-04BT/MCB 600V MCC 3XL BKR 04BT (208V PPD 3KTH1) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-D Rev 35	GENERAL-ELECTRIC THED (70 A) 3XL	NV AB 771
3XS1-R03BB/MCB 208V MCC 3XS1 BKR R03BB (PPB 3SKJ) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-G Rev 39	GENERAL-ELECTRIC THED (70 A) 3XS1	NV AB 796
3XS2-R03CT/MCB 208V MCC 3XS2 BKR R03CT (PPB 3SKK) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-G Rev 39	GENERAL-ELECTRIC THED (70 A) 3XS2	NV AB 796
3XS3-04BT/MCB 208V MCC 3XS3 BKR 04BT (PPB 3SKL) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-G Rev 39	GENERAL-ELECTRIC THED (70 A) 3XS3	NV AB 796

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 240/120V AC PWR

SUB SYSTEM: 120V AC AUX PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DCA-03F/MCB 125V DC 3DCA BKR 03F (AUX PWR INV 3KX)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-03F/MCB 125V DC 3DCB BKR 03F (AUX PWR INV 3KX)	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KRA-02/MCB 120V PPB 3KRA BKR 02 (3KX STATIC SWITCH & INV BYPASS)	O-2705-A Rev 42	ITE EEI (100 A) 3KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 240/120V AC PWR

SUB SYSTEM: 120V AC ICS PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DCA-03E/MCB 125V DC 3DCA BKR 03E (ICS PWR INV 3KI) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCA	NV AB 796
3DCB-03E/MCB 125V DC 3DCB BKR 03E (ICS PWR INV 3KI) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705 Rev 49	GENERAL-ELECTRIC THFK (900/2000 A) 3DCB	NV AB 796
3KI-01/(ICS)/MCB 120V PPB 3KI BKR 01 (ICS HAND PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705-A Rev 42	ITE CC (20 A) 3KI	NV AB 809
3KI-05/MCB 120V PPB 3KI BKR 05 (ICS EM PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705-A Rev 42	ITE CC (20 A) 3KI	NV AB 809
3KI-25/MCB 120V PPB 3KI BKR 25 (ICS AUTO PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705-A Rev 42	ITE CE (50 A) 3KI	NV AB 809
3KRA-01/MCB 120V PPB 3KRA BKR 01 (3KI STATIC SWITCH & INV BYPASS) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705-A Rev 42	ITE EEI (100 A) 3KRA	NV AB 809
3KU-21/MCB 120V PPB 3KU BKR 21 (ICS CAB 7) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705-A Rev 42	ITE CC (20 A) 3KU	NV AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 240/120V AC PWR**
 SUB SYSTEM: **120V AC VITAL PWR**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DIA-33/MCB 125V PPB 3DIA BKR 33 (VITAL INV 3DIA)	O-2705 Rev 49	ITE FJ2 (125 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KRA-03/MCB 120V PPB 3KRA BKR 03 (3KVIA XFER SWITCH)	O-2705-A Rev 42	ITE EEI (100 A) 3KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DIB-33/MCB 125V PPB 3DIB BKR 33 (VITAL INV 3DIB)	O-2705 Rev 49	ITE FJ2 (125 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KRA-04/MCB 120V PPB 3KRA BKR 04 (3KVIB XFER SWITCH)	O-2705-A Rev 42	ITE EEI (100 A) 3KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DIC-33/MCB 120V PPB 3DIC BKR 33 (VITAL INV 3DIC)	O-2705 Rev 49	ITE FJ2 (125 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KRA-05/MCB 120V PPB 3KRA BKR 05 (3KVIC XFER SWITCH)	O-2705-A Rev 42	ITE EEI (100 A) 3KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DID-33/MCB 125V PPB 3DIC BKR 33 (VITAL INV 3DID)	O-2705 Rev 49	ITE FJ2 (125 A) 3DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KRA-06/MCB 120V PPB 3KRA BKR 06 (3KVID XFER SWITCH)	O-2705-A Rev 42	ITE EEI (100 A) 3KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 240/120V AC PWR

SUB SYSTEM: 240/120V AC COM PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DCA-04B/MCB 125V DC 3DCA BKR 04B (COMP INV 3KU)	O-2705 Rev 49	GENERAL-ELECTRIC THJK (900/3000 A) 3DCA	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DCB-04B/MCB 125V DC 3DCB BKR 04B (COMP INV 3KU)	O-2705 Rev 49	GENERAL-ELECTRIC THJK (900/3000 A) 3DCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KRA-13/MCB 120V PPB 3KRA BKR 13 (3KU STATIC SWITCH & INV BYPASS)	O-2705-A Rev 42	ITE QJ2 (150 A) 3KRA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 240/120V AC PWR
 SUB SYSTEM: 240/120V AC REG PWR

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3A/MCB 240/120V 3A REGULATOR OUTPUT BKR	O-2705-A Rev 42	GENERAL-ELECTRIC TJJ (250 A) 3A/MCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3B/MCB 240/120V 3B REGULATOR OUTPUT BKR	O-2705-A Rev 42	GENERAL-ELECTRIC TJJ (250 A) 3B/MCB	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XO-F01E/MCB 600V MCC 3XO BKR F01E (NORM PWR REG 3A)	O-2703-D Rev 35	GENERAL-ELECTRIC THED (90 A) 3XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XP-F01AB/MCB 600V MCC 3XP BKR F01AB (NORM PWR REG 3B)	O-2703-E Rev 26	GENERAL-ELECTRIC THED (90 A) 3XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3B1T-01 4KV SWGR 3B1T BKR 01 (STUP BKR E13)	OEE-317-02 Rev 10	ITE 5HK-350 (3000 A) 3B1T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27X1/STA EGPS AUX RELAY CH 1	OEE-076-04-A Rev 0	CUTLER-HAMMER D26MRD70A1 3KESP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27X1/STB EGPS AUX RELAY CH 2	OEE-076-08-A Rev 0	CUTLER-HAMMER D26MRD70A1 3KESP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
50BE13(3B1T-01) U3 STUP BKR E13 INSTANTANEOUS OC RLY	OEE-317-02 Rev 10	GENERAL-ELECTRIC CHC11A21A 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(3B1T-01) U3 STUP BKR E13 GROUND OC RLY	OEE-317-02 Rev 10	WESTINGHOUSE CO-6 (1876904) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(3B1T-01) U3 STUP BKR E13 OC RLY (X PHASE)	OEE-317-02 Rev 10	WESTINGHOUSE CO-8 (1875267) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(3B1T-01) U3 STUP BKR E13 OC RLY (Y PHASE)	OEE-317-02 Rev 10	WESTINGHOUSE CO-8 (1875267) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(3B1T-01) U3 STUP BKR E13 OC RLY (Z PHASE)	OEE-317-02 Rev 10	WESTINGHOUSE CO-8 (1875267) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B13(3B1T-01) U3 MAIN BUS 1 BKR FAIL TIMER RLY	OEE-317-02-A Rev 5	WESTINGHOUSE TD-5 (293B301A25) 3KESP	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BE13(3B1T-01) U3 STUP BKR E13 FAIL TIMER RLY	OEE-317-02-A Rev 5	WESTINGHOUSE TD-5 (293B301A30) 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 28 of 247

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62BXE13(3B1T-03) U3 STUP BKR E13 FAIL AUX RLY	OEE-317-02-A Rev 5	WESTINGHOUSE AR (606B029A09) 3BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86B13(3B1T-02) U3 MFB 1 LOCKOUT RLY	OEE-317-02-A Rev 5	GENERAL-ELECTRIC HEA61C239 3BIT	GERS-RLY-ALO.2 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
86CT3X(3B1T-02) CT3 XFMR LOCKOUT AUX RLY	OEE-317-02-A Rev 5	CUTLER-HAMMER D23MRD70A1 3BIT	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
86E13(3B1T-01) U3 STUP BKR E13 LOCKOUT RLY	OEE-317-02-A Rev 5	GENERAL-ELECTRIC HEA61C240 3BIT	GERS-RLY-ALO.2 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
86XB13(3B1T-02) U3 MFB 1 LOCKOUT AUX RLY	OEE-317-02-A Rev 5	WESTINGHOUSE MG-6/NO (288B977A19) 3BIT	GERS-RLY-ARH.5 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
86XXB13(3B1T-03) U3 MFB 1 LOCKOUT AUX RLY	OEE-317-02-A Rev 5	CUTLER-HAMMER D23MRD70A1 3BIT	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
87B13(X)(3B1T-02) U3 MFB 1 DIFF RLY (X PHASE)	OEE-317-02 Rev 10	WESTINGHOUSE CA-16 (671B157A20) 3BIT	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>			
87B13(Y)(3B1T-02) U3 MFB 1 DIFF RLY (Y PHASE)	OEE-317-02 Rev 10	WESTINGHOUSE CA-16 (671B157A20) 3BIT	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>			
87B13(Z)(3B1T-02) U3 MFB 1 DIFF RLY (Z PHASE)	OEE-317-02 Rev 10	WESTINGHOUSE CA-16 (671B157A20) 3BIT	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 1.</i>			
94E13(3B1T-01) U3 STUP BKR E13 AUX TRIP RLY	OEE-317-02-A Rev 5	WESTINGHOUSE AR (606B017A09) 3BIT	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 29 of 247

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
94X1(3B1T-03) U3 STUP BKR E13 AUX TRIP RLY	OEE-317-02-A Rev 5	CUTLER-HAMMER D23MRD22A1 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94Y1(3B1T-03) U3 STUP BKR E13 AUX TRIP RLY	OEE-317-02-A Rev 5	CUTLER-HAMMER D23MRD22A1 3B1T	GERS-RLY-AI2.4 L1 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
CIR-E13(3B1T-01) U3 STUP BKR E13 CLOSE RLY	OEE-317-02-A Rev 5	CUTLER-HAMMER D26MRD30A1 3B1T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
3DIA-26/MCB 125V PPB 3DIA BKR 26 (4KV SWGR 3B1T 1-5 CLOSE/TRIP)	OEE-317-02-A Rev 5	ITE EH2 (50 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DIB-31/MCB 125V PPB 3DIB BKR 31 (4KV SWGR 3B1T 1-5 TRIP)	OEE-317-02-A Rev 5	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/58TD1 PCB 58 TRIP TD AUX RLY	OEE-317-02-B Rev 12	WESTINGHOUSE TD-5 (293B301A30) 3KESP	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
52/59TD1 PCB 59 TRIP TD AUX RLY	OEE-317-02-B Rev 12	WESTINGHOUSE TD-5 (293B301A30) 3KESP	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
TDR1A(3B1T-03) U3 STUP BKR E13 TIME DELAY RLY A	OEE-317-02-B Rev 12	AGASTAT 2412 PB 3B1T	GERS-RLY-PNT.7 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
TDR1B(3B1T-03) U3 STUP BKR E13 TIME DELAY RLY B	OEE-317-02-B Rev 12	AGASTAT 2412 PB 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
3B2T-05 4KV SWGR 3B2T BKR 05 (STUP BKR E23)	OEE-317-09 Rev 7	ITE 5HK-350 (3000 A) 3B2T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR
 SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50BE23(3B2T-05) U3 STUP BKR E23 INSTANTANEOUS OC RLY	OEE-317-09 Rev 7	GENERAL-ELECTRIC CHC11A21A 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(3B2T-05) U3 STUP BKR E23 GROUND OC RLY	OEE-317-09 Rev 7	WESTINGHOUSE CO-6 (1876904) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(3B2T-05) U3 STUP BKR E23 OC RLY (X PHASE)	OEE-317-09 Rev 7	WESTINGHOUSE CO-8 (1875267) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(3B2T-05) U3 STUP BKR E23 OC RLY (Y PHASE)	OEE-317-09 Rev 7	WESTINGHOUSE CO-8 (1875267) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(3B2T-05) U3 STUP BKR E23 OC RLY (Z PHASE)	OEE-317-09 Rev 7	WESTINGHOUSE CO-8 (1875267) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B23(3B2T-05) U3 MAIN BUS 2 BKR FAIL TIMER RLY	OEE-317-09-A Rev 5	WESTINGHOUSE TD-5 (293B301A25) 3KESP	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BE23(3B2T-05) U3 STUP BKR E23 FAIL TIMER RLY	OEE-317-09-A Rev 5	WESTINGHOUSE TD-5 (293B301A30) 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXE23(3B2T-02) U3 STUP BKR E23 FAIL AUX RLY	OEE-317-09-A Rev 5	WESTINGHOUSE AR (606B029A09) 3B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86B23(3B2T-03) U3 MFB 2 LOCKOUT RLY	OEE-317-09-A Rev 5	GENERAL-ELECTRIC HEA61C239 3B2T	GERS-RLY-ALO.2 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
86E23(3B2T-05) U3 STUP BKR E23 LOCKOUT RLY	OEE-317-09-A Rev 5	GENERAL-ELECTRIC HEA61C239 3B2T	GERS-RLY-ALO.2 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 31 of 247

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86XB23(3B2T-03) U3 MFB 2 LOCKOUT AUX RLY	OEE-317-09-A Rev 5	WESTINGHOUSE MG-6/NO (288B977A19) 3B2T	GERS-RLY-ARH.5 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
86XXB23(3B2T-02) U3 MFB 2 LOCKOUT AUX RLY	OEE-317-09-A Rev 5	CUTLER-HAMMER D23MRD70A1 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
87B23(X)(3B2T-03) U3 MFB 2 DIFF RLY (X PHASE)	OEE-317-09 Rev 7	WESTINGHOUSE CA-16 (671B157A20) 3B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
87B23(Y)(3B2T-03) U3 MFB 2 DIFF RLY (Y PHASE)	OEE-317-09 Rev 7	WESTINGHOUSE CA-16 (671B157A20) 3B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
87B23(Z)(3B2T-03) U3 MFB 2 DIFF RLY (Z PHASE)	OEE-317-09 Rev 7	WESTINGHOUSE CA-16 (671B157A20) 3B2T	CNA BH 796
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And Lockout The 4160V Main Feeder Bus 2.</i>			
94E23(3B2T-05) U3 STUP BKR E23 AUX TRIP RLY	OEE-317-09-A Rev 5	WESTINGHOUSE AR (606B017A09) 3B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94X1(3B2T-02) U3 STUP BKR E23 AUX TRIP RLY	OEE-317-09-A Rev 5	CUTLER-HAMMER D23MRD22A1 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94Y1(3B2T-02) U3 STUP BKR E23 AUX TRIP RLY	OEE-317-09-A Rev 5	CUTLER-HAMMER D23MRD22A1 3B2T	GERS-RLY-AI2.4 L1 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
CIR-E23(3B2T-05) U3 STUP BKR E23 CLOSE RLY	OEE-317-09-A Rev 5	CUTLER-HAMMER D26MRD30A1 3B2T	GERS-RLY-AI2.4 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
3DIC-27/MCB 125V PPB 3DIC BKR 27 (4KV SWGR 3B2T 1-5 CLOSE/TRIP)	OEE-317-09-A Rev 5	ITE EH2 (50 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DID-25/MCB 125V PPB 3DID BKR 25 (4KV SWGR 3B2T 1-5 TRIP)	OEE-317-09-A Rev 5	ITE EH2 (50 A) 3DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/58TD2 PCB 58 TRIP TD AUX RLY	OEE-317-09-B Rev 11	WESTINGHOUSE TD-5 (293B301A30) 3KESP	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
52/59TD2 PCB 59 TRIP TD AUX RLY	OEE-317-09-B Rev 11	WESTINGHOUSE TD-5 (293B301A30) 3KESP	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
TDR1A(3B2T-02) U3 STUP BKR E23 TIME DELAY RLY A	OEE-317-09-B Rev 11	AGASTAT 2412 PB 3B2T	GERS-RLY-PNT.7 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
TDR1B(3B2T-02) U3 STUP BKR E23 TIME DELAY RLY B	OEE-317-09-B Rev 11	AGASTAT 2412 PB 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
3B1T-05 4KV SWGR 3B1T BKR 05 (NORM BKR N13)	OEE-317-05 Rev 3	ITE 5HK-350 (3000 A) 3B1T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25B13(3B1T-03) U3 BUS 1 SYNC RLY	OEE-317-05-A Rev 7	WESTINGHOUSE CVE-1 (1957989) 3B1T	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
25XB13(3B1T-03) U3 BUS 1 SYNC AUX RLY	OEE-317-05-A Rev 7	WESTINGHOUSE MG-6/NO (288B977A19) 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50BN13(3B1T-05) U3 NORM BKR N13 INSTANTANEOUS OC RLY	OEE-317-05 Rev 3	GENERAL-ELECTRIC CHC11A21A 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51G(3B1T-05) U3 NORM BKR N13 GROUND OC RLY	OEE-317-05 Rev 3	WESTINGHOUSE CO-6 (1876904) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 33 of 247

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
51X(3B1T-05) U3 NORM BKR N13 OC RLY (X PHASE)	OEE-317-05 Rev 3	WESTINGHOUSE CO-8 (1875267) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(3B1T-05) U3 NORM BKR N13 OC RLY (Y PHASE)	OEE-317-05 Rev 3	WESTINGHOUSE CO-8 (1875267) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(3B1T-05) U3 NORM BKR N13 OC RLY (Z PHASE)	OEE-317-05 Rev 3	WESTINGHOUSE CO-8 (1875267) 3B1T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BN13(3B1T-05) U3 NORM BKR N13 FAIL TIMER RLY	OEE-317-05-A Rev 7	WESTINGHOUSE TD-5 (293B301A30) 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXN13(3B1T-03) U3 NORM BKR N13 FAIL AUX RLY	OEE-317-05-A Rev 7	WESTINGHOUSE AR (606B029A09) 3B1T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BXXN13(3B1T-02) U3 NORM BKR N13 FAIL AUX RLY	OEE-317-05-A Rev 7	WESTINGHOUSE TD-5 (293B301A30) 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
86N13(3B1T-05) U3 NORM BKR N13 LOCKOUT RLY	OEE-317-05-A Rev 7	GENERAL-ELECTRIC HEA61C240 3B1T	GERS-RLY-ALO.2 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94N13(3B1T-05) U3 NORM BKR N13 AUX TRIP RLY	OEE-317-05-A Rev 7	WESTINGHOUSE AR (606B017A09) 3B1T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94TD(3B1T-03) U3 NORM BKR N13 TIME DELAY TRIP RLY	OEE-317-05-A Rev 7	AGASTAT 7022 PB 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94X2(3B1T-03) U3 STUP BKR E13 AUX TRIP RLY	OEE-317-05-A Rev 7	CUTLER-HAMMER D23MRD22A1 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 34 of 247

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
94Y2(3B1T-03) U3 NORM BKR N13 AUX TRIP RLY	OEE-317-05-A Rev 7	CUTLER-HAMMER D23MRD22A1 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
RXE1(3B1T-03) U3 STUP BKR E1 BLOCKING RLY	OEE-317-05-A Rev 7	WESTINGHOUSE AR (606B029A13) 3B1T	EVAL (GIP-2 SECTION 6.4.2) BH 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
RXE2(3B1T-03) U3 STUP BKR E2 BLOCKING RLY	OEE-317-05-A Rev 7	WESTINGHOUSE AR (606B029A13) 3B1T	EVAL (GIP-2 SECTION 6.4.2) BH 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
3B2T-01 4KV SWGR 3B2T BKR 01 (NORM BKR N23)	OEE-317-06 Rev 3	ITE 5HK-350 (3000 A) 3B2T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25B23(3B2T-02) U3 BUS 2 SYNC RLY	OEE-317-06-A Rev 7	WESTINGHOUSE CVE-1 (1957989) 3B2T	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
25XB23(3B2T-02) U3 BUS 2 SYNC AUX RLY	OEE-317-06-A Rev 7	WESTINGHOUSE MG-6/NO (288B977A19) 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50BN23(3B2T-01) U3 NORM BKR N23 INSTANTANEOUS OC RLY	OEE-317-06 Rev 3	GENERAL-ELECTRIC CHC11A21A 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51G(3B2T-01) U3 NORM BKR N23 GROUND OC RLY	OEE-317-06 Rev 3	WESTINGHOUSE CO-6 (1876904) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(3B2T-01) U3 NORM BKR N23 OC RLY (X PHASE)	OEE-317-06 Rev 3	WESTINGHOUSE CO-8 (1875267) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Y(3B2T-01) U3 NORM BKR N23 OC RLY (Y PHASE)	OEE-317-06 Rev 3	WESTINGHOUSE CO-8 (1875267) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
51Z(3B2T-01) U3 NORM BKR N23 OC RLY (Z PHASE)	OEE-317-06 Rev 3	WESTINGHOUSE CO-8 (1875267) 3B2T	EVAL (OSC-6642) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BN23(3B2T-01) U3 NORM BKR N23 FAIL TIMER RLY	OEE-317-06-A Rev 7	WESTINGHOUSE TD-5 (293B301A30) 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BXN23(3B2T-02) U3 NORM BKR N23 FAIL AUX RLY	OEE-317-06-A Rev 7	WESTINGHOUSE AR (606B029A09) 3B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62BXXN23(3B2T-01) U3 NORM BKR N23 FAIL AUX RLY	OEE-317-06-A Rev 7	WESTINGHOUSE TD-5 (293B301A30) 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
86/3TX1(3B2T-02) U3 GEN LOCKOUT AUX RLY	OEE-317-06-A Rev 7	CUTLER-HAMMER D23MRD70A1 3B1T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Can Trip And Lockout Normal Feeder Breakers.</i>			
86N23(3B2T-01) U3 NORM BKR N23 LOCKOUT RLY	OEE-317-06-A Rev 7	GENERAL-ELECTRIC HEA61C240 3B2T	GERS-RLY-ALO.2 BH 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94N23(3B2T-01) U3 NORM BKR N23 AUX TRIP RLY	OEE-317-06-A Rev 7	WESTINGHOUSE AR (606B017A09) 3B2T	EVAL (DPC 1393.00-00-0001) BH 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
94TD(3B2T-02) U3 NORM BKR N23 TIME DELAY TRIP RLY	OEE-317-06-A Rev 7	AGASTAT 7022 PB 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94X2(3B2T-02) U3 NORM BKR N23 AUX TRIP RLY	OEE-317-06-A Rev 7	CUTLER-HAMMER D23MRD22A1 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
94Y2(3B2T-02) U3 NORM BKR N23 AUX TRIP RLY	OEE-317-06-A Rev 7	CUTLER-HAMMER D23MRD22A1 3B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RYE1(3B2T-02) U3 STUP BKR E1 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-06-A Rev 7	WESTINGHOUSE AR (606B029A13) 3B2T	EVAL (GIP-2 SECTION 6.4.2) BH 796
RYE2(3B2T-02) U3 STUP BKR E2 BLOCKING RLY <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-06-A Rev 7	WESTINGHOUSE AR (606B029A13) 3B2T	EVAL (GIP-2 SECTION 6.4.2) BH 796
BIT-07 4KV SWGR BIT BKR 07 (STBY BKR S13) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-117-08 Rev 8	ITE 5HK-350 (3000 A) BIT	NV BH 796
25S13(BIT-06) U3 STBY BUS 1 SYNC RLY <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-08-A Rev 11	WESTINGHOUSE CVE-1 (292B353A17) BIT	CA BH 796
50BS13(BIT-07) U3 STBY BKR S13 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-08 Rev 8	GENERAL-ELECTRIC CHC11A21A BIT	CA BH 796
62BS13(BIT-07) U3 STBY BKR S13 FAIL TIMER RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-08-A Rev 11	WESTINGHOUSE TD-5 (293B301A30) BIT	CA BH 796
62BXS13(BIT-07) U3 STBY BKR S13 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-08-A Rev 11	WESTINGHOUSE AR (606B029A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
94S13(BIT-07) U3 STBY BKR S13 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-08-A Rev 11	WESTINGHOUSE AR (606B017A09) BIT	EVAL (DPC 1393.00-00-0001) BH 796
CIR-S13(BIT-07) U3 STBY BKR S13 CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-08-A Rev 11	CUTLER-HAMMER D26MRD30A1 BIT	GERS-RLY-AI2.4 BH 796
3SBCX-1A U3 STBY BKR S13 AUX CLOSE RLY A <i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>	OEE-117-08-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: MAIN FEEDER BUS

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3SBCX-1B U3 STBY BKR S13 AUX CLOSE RLY B	OEE-117-08-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>			
3SDS-1A U3 STBY BKR S13 LOGIC TRIP AUX RLY	OEE-117-08-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3STD-1A U3 STBY BKR S13 LOGIC TIME DELAY TRIP RLY A	OEE-117-08-B Rev 3	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
3STD-1AX U3 STBY BKR S13 LOGIC TIME DELAY TRIP AUX RLY A	OEE-117-08-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3STD-1B U3 STBY BKR S13 LOGIC TIME DELAY TRIP RLY B	OEE-117-08-B Rev 3	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
3STD-1BX U3 STBY BKR S13 LOGIC TIME DELAY TRIP AUX RLY B	OEE-117-08-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
B2T-07 4KV SWGR B2T BKR 07 (STBY BKR S23)	OEE-117-21 Rev 8	ITE 5HK-350 (3000 A) B2T	NV BH 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
25S23(B2T-06) U3 STBY BUS 2 SYNC RLY	OEE-117-21-A Rev 10	WESTINGHOUSE CVE-1 (292B353A17) B2T	CA BH 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
50BS23(B2T-07) U3 STBY BKR S23 INSTANTANEOUS OC RLY	OEE-117-21 Rev 8	GENERAL-ELECTRIC CHC11A21A B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BS23(B2T-07) U3 STBY BKR S23 FAIL TIMER RLY	OEE-117-21-A Rev 10	WESTINGHOUSE TD-5 (293B301A30) B2T	CA BH 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 4160V PWR**

SUB SYSTEM: **MAIN FEEDER BUS**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62BXS23(B2T-07) U3 STBY BKR S23 FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-21-A Rev 10	WESTINGHOUSE AR (606B029A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
94S23(B2T-07) U3 STBY BKR S23 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-117-21-A Rev 10	WESTINGHOUSE AR (606B017A09) B2T	EVAL (DPC 1393.00-00-0001) BH 796
CIR-S23(B2T-07) U3 STBY BKR S23 CLOSE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-21-A Rev 10	CUTLER-HAMMER D26MRD30A1 B2T	GERS-RLY-AI2.4 BH 796
3SBCX-2A U3 STBY BKR S23 AUX CLOSE RLY A <i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>	OEE-117-21-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
3SBCX-2B U3 STBY BKR S23 AUX CLOSE RLY B <i>Rugged Relay Whose Contact Chatter Does Not Impact Equipment Designed To Function After SSE.</i>	OEE-117-21-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
3SDS-2A U3 STBY BKR S23 LOGIC TRIP AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-21-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
3STD-2A U3 STBY BKR S23 LOGIC TIME DELAY TRIP RLY A <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-21-B Rev 3	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP2	CA AB 809
3STD-2AX U3 STBY BKR S23 LOGIC TIME DELAY TRIP AUX RLY A <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-21-B Rev 3	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
3STD-2B U3 STBY BKR S23 LOGIC TIME DELAY TRIP RLY B <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-117-21-B Rev 3	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP2	CA AB 809
3STD-2BX U3 STBY BKR S23 LOGIC TIME DELAY TRIP AUX RLY B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-117-21-B Rev 3	CUTLER-HAMMER D23MRD70A1 3EPSLP2	GERS-RLY-AI2.4 AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TC-01 4KV SWGR 3TC BKR 01 (UNIT 3, FDR BUS 1)	OEE-317-12 Rev 4	ITE 5HK-350 (2000 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(3TC-01) FDR BKR 3TC-01 INSTANTANEOUS OC RLY	OEE-317-12 Rev 4	GENERAL-ELECTRIC CHC11A21A 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(3TC-01) FDR BKR 3TC-01 GROUND OC RLY	OEE-317-12 Rev 4	WESTINGHOUSE CO-6 (1876904) 3TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(3TC-01) FDR BKR 3TC-01 OC RLY (X PHASE)	OEE-317-12 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(3TC-01) FDR BKR 3TC-01 OC RLY (Z PHASE)	OEE-317-12 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(3TC-01) FDR BKR 3TC-01 BKR FAIL RLY	OEE-317-12 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(3TC-01) FDR BKR 3TC-01 BKR FAIL AUX RLY	OEE-317-12 Rev 4	WESTINGHOUSE AR (606B029A09) 3TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(3TC-01) FDR BKR 3TC-01 LOCKOUT RLY	OEE-317-12 Rev 4	GENERAL-ELECTRIC HEA61C240 3TC	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(3TC-01) FDR BKR 3TC-01 AUX TRIP RLY	OEE-317-12 Rev 4	WESTINGHOUSE AR (606B029A09) 3TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3DIA-25/(3TC-01)/MCB 125V PPB 3DIA BKR 25 (4KV SWGR 3TC CLOSE/TRIP)	OEE-317-12 Rev 4	ITE EH2 (50 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DIB-15/(3TC-01)/MCB 125V PPB 3DIB BKR 15 (4KV SWGR 3TC TRIP)	OEE-317-12 Rev 4	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3TC-14 4KV SWGR 3TC BKR 14 (UNIT 3, FDR BUS 2)	OEE-317-25 Rev 4	ITE 5HK-350 (2000 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(3TC-14) FDR BKR 3TC-14 INSTANTANEOUS OC RLY	OEE-317-25 Rev 4	GENERAL-ELECTRIC CHC11A21A 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(3TC-14) FDR BKR 3TC-14 GROUND OC RLY	OEE-317-25 Rev 4	WESTINGHOUSE CO-6 (1876904) 3TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(3TC-14) FDR BKR 3TC-14 OC RLY (X PHASE)	OEE-317-25 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(3TC-14) FDR BKR 3TC-14 OC RLY (Z PHASE)	OEE-317-25 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TC	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(3TC-14) FDR BKR 3TC-14 BKR FAIL RLY	OEE-317-25 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(3TC-14) FDR BKR 3TC-14 BKR FAIL AUX RLY	OEE-317-25 Rev 4	WESTINGHOUSE AR (606B029A09) 3TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(3TC-14) FDR BKR 3TC-14 LOCKOUT RLY	OEE-317-25 Rev 4	GENERAL-ELECTRIC HEA61C240 3TC	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(3TC-14) FDR BKR 3TC-14 AUX TRIP RLY	OEE-317-25 Rev 4	WESTINGHOUSE AR (606B029A09) 3TC	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3DIA-25/(3TC-14)/MCB 125V PPB 3DIA BKR 25 (4KV SWGR 3TC CLOSE/TRIP)	OEE-317-25 Rev 4	ITE EH2 (50 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DIB-15/(3TC-14)/MCB 125V PPB 3DIB BKR 15 (4KV SWGR 3TC TRIP)	OEE-317-25 Rev 4	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3TD-01 4KV SWGR 3TD BKR 01 (UNIT 3, FDR BUS 1)	OEE-317-26 Rev 4	ITE 5HK-350 (2000 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(3TD-01) FDR BKR 3TD-01 INSTANTANEOUS OC RLY	OEE-317-26 Rev 4	GENERAL-ELECTRIC CHC11A21A 3TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(3TD-01) FDR BKR 3TD-01 GROUND OC RLY	OEE-317-26 Rev 4	WESTINGHOUSE CO-6 (1876904) 3TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(3TD-01) FDR BKR 3TD-01 OC RLY (X PHASE)	OEE-317-26 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(3TD-01) FDR BKR 3TD-01 OC RLY (Z PHASE)	OEE-317-26 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TD	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
62B(3TD-01) FDR BKR 3TD-01 BKR FAIL RLY	OEE-317-26 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 3TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(3TD-01) FDR BKR 3TD-01 BKR FAIL AUX RLY	OEE-317-26 Rev 4	WESTINGHOUSE AR (606B029A09) 3TD	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(3TD-01) FDR BKR 3TD-01 LOCKOUT RLY	OEE-317-26 Rev 4	GENERAL-ELECTRIC HEA61C240 3TD	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
94(3TD-01) FDR BKR 3TD-01 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-26 Rev 4	WESTINGHOUSE AR (606B029A09) 3TD	EVAL (DPC 1393.00-00-0001) TB 796
3DIA-32/(3TD-01)/MCB 125V PPB 3DIA BKR 32 (4KV SWGR 3TD TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-26 Rev 4	ITE EH2 (50 A) 3DIA/PPB	NV AB 809
3DIB-32/(3TD-01)/MCB 125V PPB 3DIB BKR 32 (4KV SWGR 3TD CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-26 Rev 4	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
3TD-14 4KV SWGR 3TD BKR 14 (UNIT 3, FDR BUS 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-39 Rev 4	ITE 5HK-350 (2000 A) 3TD	NV TB 796
50B(3TD-14) FDR BKR 3TD-14 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-317-39 Rev 4	GENERAL-ELECTRIC CHC11A21A 3TD	CA TB 796
51G(3TD-14) FDR BKR 3TD-14 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-39 Rev 4	WESTINGHOUSE CO-6 (1876904) 3TD	EVAL (OSC-6642) TB 796
51X(3TD-14) FDR BKR 3TD-14 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-39 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TD	EVAL (OSC-6642) TB 796
51Z(3TD-14) FDR BKR 3TD-14 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-39 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TD	EVAL (OSC-6642) TB 796
62B(3TD-14) FDR BKR 3TD-14 BKR FAIL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-317-39 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 3TD	CA TB 796
62BX(3TD-14) FDR BKR 3TD-14 BKR FAIL AUX RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-39 Rev 4	WESTINGHOUSE AR (606B029A09) 3TD	EVAL (DPC 1393.00-00-0001) TB 796

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 43 of 247

SYSTEM: U3 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
86(3TD-14) FDR BKR 3TD-14 LOCKOUT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-39 Rev 4	GENERAL-ELECTRIC HEA61C240 3TD	GERS-RLY-ALO.2 L1 TB 796
94(3TD-14) FDR BKR 3TD-14 AUX TRIP RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-39 Rev 4	WESTINGHOUSE AR (606B029A09) 3TD	EVAL (DPC 1393.00-00-0001) TB 796
3DIA-32/(3TD-14)/MCB 125V PPB 3DIA BKR 32 (4KV SWGR 3TD TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-39 Rev 4	ITE EH2 (50 A) 3DIA/PPB	NV AB 809
3DIB-32/(3TD-14)/MCB 125V PPB 3DIB BKR 32 (4KV SWGR 3TD CLOSE/TRIP) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-39 Rev 4	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
3TE-01 4KV SWGR 3TE BKR 01 (UNIT 3, FDR BUS 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-40 Rev 4	ITE 5HK-350 (2000 A) 3TE	NV TB 796
50B(3TE-01) FDR BKR 3TE-01 INSTANTANEOUS OC RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-317-40 Rev 4	GENERAL-ELECTRIC CHC11A21A 3TE	CA TB 796
51G(3TE-01) FDR BKR 3TE-01 GROUND OC RLY <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-40 Rev 4	WESTINGHOUSE CO-6 (1876904) 3TE	EVAL (OSC-6642) TB 796
51X(3TE-01) FDR BKR 3TE-01 OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-40 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TE	EVAL (OSC-6642) TB 796
51Z(3TE-01) FDR BKR 3TE-01 OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-40 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TE	EVAL (OSC-6642) TB 796
62B(3TE-01) FDR BKR 3TE-01 BKR FAIL RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-317-40 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 3TE	CA TB 796

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 44 of 247

SYSTEM: U3 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
62BX(3TE-01) FDR BKR 3TE-01 BKR FAIL AUX RLY	OEE-317-40 Rev 4	WESTINGHOUSE AR (606B029A09) 3TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(3TE-01) FDR BKR 3TE-01 LOCKOUT RLY	OEE-317-40 Rev 4	GENERAL-ELECTRIC HEA61C240 3TE	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(3TE-01) FDR BKR 3TE-01 AUX TRIP RLY	OEE-317-40 Rev 4	WESTINGHOUSE AR (606B029A09) 3TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3DIB-16/(3TE-01)/MCB 125V PPB 3DIB BKR 16 (4KV SWGR 3TE TRIP)	OEE-317-40 Rev 4	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DIC-28/(3TE-01)/MCB 125V PPB 3DIC BKR 28 (4KV SWGR 3TE CLOSE/TRIP)	OEE-317-40 Rev 4	ITE EH2 (50 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3TE-14 4KV SWGR 3TE BKR 14 (UNIT 3, FDR BUS 2)	OEE-317-53 Rev 4	ITE 5HK-350 (2000 A) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50B(3TE-14) FDR BKR 3TE-14 INSTANTANEOUS OC RLY	OEE-317-53 Rev 4	GENERAL-ELECTRIC CHC11A21A 3TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
51G(3TE-14) FDR BKR 3TE-14 GROUND OC RLY	OEE-317-53 Rev 4	WESTINGHOUSE CO-6 (1876904) 3TE	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51X(3TE-14) FDR BKR 3TE-14 OC RLY (X PHASE)	OEE-317-53 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TE	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
51Z(3TE-14) FDR BKR 3TE-14 OC RLY (Z PHASE)	OEE-317-53 Rev 4	WESTINGHOUSE CO-8 (1875267) 3TE	EVAL (OSC-6642) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 4160V PWR

SUB SYSTEM: Switchgear Supply Breakers

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
62B(3TE-14) FDR BKR 3TE-14 BKR FAIL RLY	OEE-317-53 Rev 4	WESTINGHOUSE TD-5 (293B301A24) 3TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
62BX(3TE-14) FDR BKR 3TE-14 BKR FAIL AUX RLY	OEE-317-53 Rev 4	WESTINGHOUSE AR (606B029A09) 3TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
86(3TE-14) FDR BKR 3TE-14 LOCKOUT RLY	OEE-317-53 Rev 4	GENERAL-ELECTRIC HEA61C240 3TE	GERS-RLY-ALO.2 L1 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
94(3TE-14) FDR BKR 3TE-14 AUX TRIP RLY	OEE-317-53 Rev 4	WESTINGHOUSE AR (606B029A09) 3TE	EVAL (DPC 1393.00-00-0001) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3DIB-16/(3TE-14)/MCB 125V PPB 3DIB BKR 16 (4KV SWGR 3TE TRIP)	OEE-317-53 Rev 4	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DIC-28/(3TE-14)/MCB 125V PPB 3DIC BKR 28 (4KV SWGR 3TE CLOSE/TRIP)	OEE-317-53 Rev 4	ITE EH2 (50 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

Page 46 of 247

SYSTEM: U3 600/208V MOTOR CONTROL

SUB SYSTEM: 208 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XA-F07AT/MCB 600V MCC 3XA BKR F07AT (208V MCC 3XA)	O-2703 Rev 35	GENERAL-ELECTRIC THED (50 A) 3XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XA-R05BB/MCB 208V MCC 3XA BKR R05BB (208V MCC 3XA-A)	O-2703 Rev 35	GENERAL-ELECTRIC TED (100 A) 3XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XC-F06AT/MCB 600V MCC 3XC BKR F06AT (208V MCC 3XC)	O-2703-B Rev 37	GENERAL-ELECTRIC THED (30 A) 3XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XGA-F05AT/MCB 600V MCC 3XGA BKR F05AT (208V MCC 3XGA)	O-2703-A Rev 28	GENERAL-ELECTRIC THED (100 A) 3XGA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XGB-F01E/MCB 600V MCC 3XGB BKR F01E (208V MCC 3XGB)	O-2703-B Rev 37	GENERAL-ELECTRIC THED (100 A) 3XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XL-04AT/MCB 600V MCC 3XL BKR 04AT (208V MCC 3XL)	O-2703-D Rev 35	GENERAL-ELECTRIC THED (70 A) 3XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XN-02AT/MCB 600V MCC 3XN BKR 02AT (208V MCC 3XN)	O-2703-E Rev 26	GENERAL-ELECTRIC THED (70 A) 3XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XO-F05B/MCB 600V MCC 3XO BKR F05B (208V MCC 3XO)	O-2703-D Rev 35	GENERAL-ELECTRIC TFJ (150 A) 3XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XP-F05B/MCB 600V MCC 3XP BKR F05B (208V MCC 3XP)	O-2703-E Rev 26	GENERAL-ELECTRIC TFJ (150 A) 3XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XS1-F05AT/MCB 600V MCC 3XS1 BKR F05AT(208V MCC 3XS1)	O-2703-G Rev 39	GENERAL-ELECTRIC THED (50 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 600/208V MOTOR CONTROL**

SUB SYSTEM: **208 V**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XS2-F04AT/MCB 600V MCC 3XS2 BKR F04AT (208V MCC 3XS2)	O-2703-G Rev 39	GENERAL-ELECTRIC THED (50 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XS3-03BT/MCB 600V MCC 3XS3 BKR 03BT (208V MCC 3XS3)	O-2703-G Rev 39	GENERAL-ELECTRIC THED (30 A) 3XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XSF-F01A(208V)/MCB 208V MCC 3XSF BKR F01A (208V MCC 3XSF FEED)	O-703-K Rev 24	GENERAL-ELECTRIC THED (100 A) 3XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XSF-F04A(600V)/MCB 600V MCC 3XSF BKR F04A (208V MCC 3XSF)	O-703-K Rev 24	GENERAL-ELECTRIC THED (40 A) 3XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XSF-F02BL/(208V)/MCB 208V MCC 3XSF BKR F02BL (208V MCC 3XSF-1)	O-703-K Rev 24	GENERAL-ELECTRIC THED (70 A) 3XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XT-01A/MCB 600V MCC 3XT BKR 01A (208V MCC 3XT)	O-2703-C Rev 29	GENERAL-ELECTRIC TFJ (150 A) 3XT	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 48 of 247

SYSTEM: U3 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3X01-04C 600V LC 3X01 BKR 04C (600V MCC 3XA) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-03 Rev 2	ITE K-1600 (600 A) 3X01	NV TB 796
3XA-F03A/MCB 600V MCC 3XA BKR F03A (3XA NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703 Rev 35	GENERAL-ELECTRIC TB6 (600 A) 3XA	NV TB 796
3X02-06A 600V LC 3X02 BKR 06A (600V MCC 3XA) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-04 Rev 0	ITE K-1600 (600 A) 3X02	NV TB 796
3XA-F04A/MCB 600V MCC 3XA BKR F04A (3XA EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703 Rev 35	GENERAL-ELECTRIC TB6 (600 A) 3XA	NV TB 796
3X02-04C 600V LC 3X02 BKR 04C (600V MCC 3XB) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-03 Rev 2	ITE K-1600 (500 A) 3X02	NV TB 796
3XB-01A/MCB 600V MCC 3XB BKR 1A (3XB NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-A Rev 28	GENERAL-ELECTRIC TB4 (400 A) 3XB	NV TB 775
3X01-06A 600V LC 3X01 BKR 06A (600V MCC 3XB) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-04 Rev 0	ITE K-1600 (300 A) 3X01	NV TB 796
3XB-02A/MCB 600V MCC 3XB BKR 2A (3XB EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-A Rev 28	GENERAL-ELECTRIC TB4 (400 A) 3XB	NV TB 775
3X03-04D 600V LC 3X03 BKR 04D (600V MCC 3XC) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-03 Rev 2	ITE K-1600 (400 A) 3X03	NV TB 796
3XC-F03A/MCB 600V MCC 3XC BKR F03A (3XC NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-B Rev 37	GENERAL-ELECTRIC TB4 (400 A) 3XC	NV TB 775

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3X02-06B 600V LC 3X02 BKR 06B (600V MCC 3XC) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-04 Rev 0	ITE K-1600 (400 A) 3X02	NV TB 796
3XC-F04A/MCB 600V MCC 3XC BKR F04A (3XC EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-B Rev 37	GENERAL-ELECTRIC TB4 (400 A) 3XC	NV TB 775
3X02-05B 600V LC 3X02 BKR 05B (600V MCC 3XGA) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-03 Rev 2	ITE K-1600 (400 A) 3X02	NV TB 796
3XGA-F02A/MCB 600V MCC 3XGA BKR F02A (3XGA NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-A Rev 28	GENERAL-ELECTRIC TB4 (400 A) 3XGA	NV TB 796
3X03-06C 600V LC 3X03 BKR 06C (600V MCC 3XGA) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-04 Rev 0	ITE K-1600 (400 A) 3X03	NV TB 796
3XGA-F03A/MCB 600V MCC 3XGA BKR F03A (3XGA EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-A Rev 28	GENERAL-ELECTRIC TB4 (400 A) 3XGA	NV TB 796
3X03-05A 600V LC 3X03 BKR 05A (600V MCC 3XGB) (NORM FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-03 Rev 2	ITE K-1600 (400 A) 3X03	NV TB 796
3XGB-F02A/MCB 600V MCC 3XGB BKR F02A (3XGB NORM FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-B Rev 37	GENERAL-ELECTRIC TB4 (400 A) 3XGB	NV TB 796
3X02-06C 600V LC 3X02 BKR 06C (600V MCC 3XGB) (EMER FEED) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-316-04 Rev 0	ITE K-1600 (400 A) 3X02	NV TB 796
3XGB-F03A/MCB 600V MCC 3XGB BKR F03A (3XGB EMER FDR BKR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2703-B Rev 37	GENERAL-ELECTRIC TB4 (400 A) 3XGB	NV TB 796

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3X05-04C 600V LC 3X05 BKR 04C (600V MCC 3XI) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (600 A) 3X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XI-01A/MCB 600V MCC 3XI BKR 01A (3XI NORM FDR BKR)	O-2703-D Rev 35	GENERAL-ELECTRIC TB6 (600 A) 3XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X04-06A 600V LC 3X04 BKR 06A (600V MCC 3XI) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (600 A) 3X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XI-05A/MCB 600V MCC 3XI BKR 05A (3XI EMER FDR BKR)	O-2703-D Rev 35	GENERAL-ELECTRIC TB6 (600 A) 3XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X06-04C 600V LC 3X06 BKR 04C (600V MCC 3XJ) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (600 A) 3X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XJ-01A/MCB 600V MCC 3XJ BKR 01A (3XJ NORM FDR BKR)	O-2703-E Rev 26	GENERAL-ELECTRIC TB6 (600 A) 3XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X05-06A 600V LC 3X05 BKR 06A (600V MCC 3XJ) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (600 A) 3X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XJ-05A/MCB 600V MCC 3XJ BKR 05A (3XJ EMER FDR BKR)	O-2703-E Rev 26	GENERAL-ELECTRIC TB6 (600 A) 3XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X05-04D 600V LC 3X05 BKR 04D (600V MCC 3XL) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (400 A) 3X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XL-02A/MCB 600V MCC 3XL BKR 02A (3XL NORM FDR BKR)	O-2703-D Rev 35	GENERAL-ELECTRIC TB4 (400 A) 3XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 51 of 247

SYSTEM: U3 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3X04-06B 600V LC 3X04 BKR 06B (600V MCC 3XL) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (400 A) 3X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XL-03A/MCB 600V MCC 3XL BKR 03A (3XL EMER FDR BKR)	O-2703-D Rev 35	GENERAL-ELECTRIC TB4 (400 A) 3XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X06-04D 600V LC 3X06 BKR 04D (600V MCC 3XN) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (400 A) 3X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XN-01A/MCB 600V MCC 3XN BKR 01A (3XN NORM FDR BKR)	O-2703-E Rev 26	GENERAL-ELECTRIC TB4 (400 A) 3XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X05-06C 600V LC 3X05 BKR 06C (600V MCC 3XN) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (400 A) 3X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XN-03A/MCB 600V MCC 3XN BKR 03A (3XN EMER FDR BKR)	O-2703-E Rev 26	GENERAL-ELECTRIC TB4 (400 A) 3XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X05-05A 600V LC 3X05 BKR 05A (600V MCC 3XO) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (600 A) 3X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XO-F02A/MCB 600V MCC 3XO BKR F02A (3XO NORM FDR BKR)	O-2703-D Rev 35	GENERAL-ELECTRIC TB6 (600 A) 3XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X06-06C 600V LC 3X06 BKR 06C (600V MCC 3XO) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (600 A) 3X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XO-F03A/MCB 600V MCC 3XO BKR F03A (3XO EMER FDR BKR)	O-2703-D Rev 35	GENERAL-ELECTRIC TB6 (600 A) 3XO	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 52 of 247

SYSTEM: U3 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3X06-05A 600V LC 3X06 BKR 05A (600V MCC 3XP) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (600 A) 3X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XP-F02A/MCB 600V MCC 3XP BKR F02A (3XP NORM FDR BKR)	O-2703-E Rev 26	GENERAL-ELECTRIC TB6 (600 A) 3XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X04-06C 600V LC 3X04 BKR 06C (600V MCC 3XP) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (600 A) 3X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XP-F03A/MCB 600V MCC 3XP BKR F03A (3XP EMER FDR BKR)	O-2703-E Rev 26	GENERAL-ELECTRIC TB6 (600 A) 3XP	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X04-05A 600V LC 3X04 BKR 05A (600V MCC 3XR) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (500 A) 3X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XR-01A/MCB 600V MCC 3XR BKR 01A (3XR NORM FDR BKR)	O-2703-C Rev 29	GENERAL-ELECTRIC TB6 (600 A) 3XR	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X05-06B 600V LC 3X05 BKR 06B (600V MCC 3XR) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (600 A) 3X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XR-05A/MCB 600V MCC 3XR BKR 05A (3XR EMER FDR BKR)	O-2703-C Rev 29	GENERAL-ELECTRIC TB6 (600 A) 3XR	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X08-05A 600V LC 3X08 BKR 05A (600V MCC 3XS1)	OEE-316-07 Rev 2	ITE K-600 (350 A) 3X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X09-05A 600V LC 3X09 BKR 05A (600V MCC 3XS2)	OEE-316-07 Rev 2	ITE K-600 (350 A) 3X09	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600/208V MOTOR CONTROL

SUB SYSTEM: 600 V

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3X08-05B 600V LC 3X08 BKR 05B (600V MCC 3XSF)	OEE-316-07 Rev 2	ITE K-600 (275 A) 3X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XSF-F05A(600V)/MCB 600V MCC 3XSF BKR F05A (3XSF NORM FDR BKR)	O-703-K Rev 24	GENERAL-ELECTRIC TJC (400A) 3XSF(600V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X04-05B 600V LC 3X04 BKR 05B (600V MCC 3XT) (NORM FEED)	OEE-316-03 Rev 2	ITE K-1600 (400 A) 3X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XT-02A/MCB 600V MCC 3XT BKR 02A (3XT NORM FDR BKR)	O-2703-C Rev 29	GENERAL-ELECTRIC TB4 (400 A) 3XT	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X06-06D 600V LC 3X06 BKR 06D (600V MCC 3XT) (EMER FEED)	OEE-316-04 Rev 0	ITE K-1600 (400 A) 3X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XT-03A/MCB 600V MCC 3XT BKR 03A (3XT EMER FDR BKR)	O-2703-C Rev 29	GENERAL-ELECTRIC TB4 (400 A) 3XT	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 54 of 247

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X01

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3TC-02 4KV SWGR 3TC BKR 02 (600V XFMR 3X01)	OEE-317-13 Rev 4	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TC-02) XFMR 3X01 UV RLY	OEE-317-13 Rev 4	WESTINGHOUSE CV-2 (1875508) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TC-02) XFMR 3X01 OC RLY (X PHASE)	OEE-317-13 Rev 4	WESTINGHOUSE CO-8 (1875277) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-02) XFMR 3X01 OC RLY (Z PHASE)	OEE-317-13 Rev 4	WESTINGHOUSE CO-8 (1875277) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-02) XFMR 3X01 GROUND OC RLY	OEE-317-13 Rev 4	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X01-04A 600V LC 3X01 BKR 04A (3X01 NORM FDR BKR)	OEE-316-02 Rev 0	ITE K-2000 (2000 A) 3X01	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X01) 600V LC 3X01 UV RLY	OEE-316-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 3X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(3X01) 600V LC 3X01 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 3X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(3X01) 600V LC 3X01 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(3X01) 600V LC 3X01 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X01

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DID-13/MCB 125V PPB 3DID BKR 13 (600V LC 3X1)	OEE-316-01 Rev 1	ITE EH2 (20 A) 3DID/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X02

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3TD-02 4KV SWGR 3TD BKR 02 (600V XFMR 3X02)	OEE-317-27 Rev 5	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TD-02) XFMR 3X02 UV RLY	OEE-317-27 Rev 5	WESTINGHOUSE CV-2 (1875508) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TD-02) XFMR 3X02 OC RLY (X PHASE)	OEE-317-27 Rev 5	WESTINGHOUSE CO-8 (1875277) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TD-02) XFMR 3X02 OC RLY (Z PHASE)	OEE-317-27 Rev 5	WESTINGHOUSE CO-8 (1875277) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TD-02) XFMR 3X02 GROUND OC RLY	OEE-317-27 Rev 5	ITE GR-5 (202D6141) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X02-04A 600V LC 3X02 BKR 04A (3X02 NORM FDR BKR)	OEE-316-02 Rev 0	ITE K-2000 (2000 A) 3X02	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X02) 600V LC 3X02 UV RLY	OEE-316-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 3X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(3X02) 600V LC 3X02 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 3X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(3X02) 600V LC 3X02 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X01	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X2(3X02) 600V LC 3X02 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **3X02**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X4(3X02) 600V LC 3X02 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(3X02) 600V LC 3X02 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X02	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3DIC-16/MCB 125V PPB 3DIC BKR 16 (600V LC 3X2)	OEE-316-01 Rev 1	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 58 of 247

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X03

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3TE-02 4KV SWGR 3TE BKR 02 (600V XFMR 3X03)	OEE-317-41 Rev 3	ITE 5HK-350 (1200 A) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TE-02) XFMR 3X03 UV RLY	OEE-317-41 Rev 3	WESTINGHOUSE CV-2 (1875508) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TE-02) XFMR 3X03 OC RLY (X PHASE)	OEE-317-41 Rev 3	WESTINGHOUSE CO-8 (1875277) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TE-02) XFMR 3X03 OC RLY (Z PHASE)	OEE-317-41 Rev 3	WESTINGHOUSE CO-8 (1875277) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TE-02) XFMR 3X03 GROUND OC RLY	OEE-317-41 Rev 3	ITE GR-5 (202D6141) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X03-04A 600V LC 3X03 BKR 04A (3X03 NORM FDR BKR)	OEE-316-02 Rev 0	ITE K-2000 (2000 A) 3X03	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X03) 600V LC 3X03 UV RLY	OEE-316-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 3X03	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(3X03) 600V LC 3X03 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 3X03	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(3X03) 600V LC 3X03 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X03	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X3(3X03) 600V LC 3X03 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X03	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X03

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

27X5(3X03) 600V LC 3X03 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X03	CA TB 796
---------------------------------------	------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3DID-14/MCB 125V PPB 3DID BKR 14 (600V LC 3X3)	OEE-316-01 Rev 1	ITE EH2 (20 A) 3DID/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X04

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3TC-03 4KV SWGR 3TC BKR 03 (600V XFMR 3X04)	OEE-317-14 Rev 4	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(3TC-03) XFMR 3X04 OC RLY (X PHASE)	OEE-317-14 Rev 4	WESTINGHOUSE CO-8 (1875277) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-03) XFMR 3X04 OC RLY (Z PHASE)	OEE-317-14 Rev 4	WESTINGHOUSE CO-8 (1875277) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-03) XFMR 3X04 GROUND OC RLY	OEE-317-14 Rev 4	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3TX4-1 XFMR 3X4 LOAD SHED SEQUENCE TO RECLOSE RLY	OEE-317-14-A Rev 0	AGASTAT 7012 PE004 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3TX4-1X XFMR 3X4 LOAD SHED SEQUENCE TO RECLOSE AUX RLY	OEE-317-14-A Rev 0	CUTLER-HAMMER D26MRD70A1 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3TX4-2 XFMR 3X4 LOAD SHED SEQUENCE TO RECLOSE AUX RLY	OEE-317-23-A Rev 0	AGASTAT 7012 PE004 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3X04-04A 600V LC 3X04 BKR 04A (3X04 NORM FDR BKR)	OEE-316-02 Rev 0	ITE K-2000 (2000 A) 3X04	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X04) 600V LC 3X04 UV RLY	OEE-316-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 3X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X(3X04) 600V LC 3X04 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 3X04	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X04

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

27X1(3X04) 600V LC 3X04 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X04	CA TB 796
---------------------------------------	------------------	--	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

27X2(3X04) 600V LC 3X04 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X04	CA TB 796
---------------------------------------	------------------	--	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

27X4(3X04) 600V LC 3X04 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X04	CA TB 796
---------------------------------------	------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

27X5(3X04) 600V LC 3X04 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X04	CA TB 796
---------------------------------------	------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3DIC-17/MCB 125V PPB 3DIC BKR 16 (600V LC 3X4)	OEE-316-01 Rev 1	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X05

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3TD-03 4KV SWGR 3TD BKR 03 (600V XFMR 3X05)	OEE-317-28 Rev 2	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(3TD-03) XFMR 3X05 OC RLY (X PHASE)	OEE-317-28 Rev 2	WESTINGHOUSE CO-8 (1875277) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TD-03) XFMR 3X05 OC RLY (Z PHASE)	OEE-317-28 Rev 2	WESTINGHOUSE CO-8 (1875277) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TD-03) XFMR 3X05 GROUND OC RLY	OEE-317-28 Rev 2	ITE GR-5 (202D6141) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3TX5A(3TD-03) LOADSHED CONTROL TIMING RLY (XFMR 3X5)	OEE-317-28-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 3TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3TX5B(3TD-03) LOADSHED CONTROL TIMING RLY (XFMR 3X5)	OEE-317-28-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 3TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3X5A(3TD-03) LOADSHED CONTROL RLY (XFMR 3X05)	OEE-317-28-A Rev 0	CUTLER-HAMMER D26MRD70A1 3TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
3X5B(3TD-03) LOADSHED CONTROL RLY (XFMR 3X05)	OEE-317-28-A Rev 0	CUTLER-HAMMER D26MRD70A1 3TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
3X05-04A 600V LC 3X05 BKR 04A (3X05 NORM FDR BKR)	OEE-316-02 Rev 0	ITE K-2000 (2000 A) 3X05	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X05) 600V LC 3X05 UV RLY	OEE-316-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 3X05	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X05

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X(3X05) 600V LC 3X05 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 3X05	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(3X05) 600V LC 3X05 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X05	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X3(3X05) 600V LC 3X05 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X05	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X4(3X05) 600V LC 3X05 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X05	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(3X05) 600V LC 3X05 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X05	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3DID-15/MCB 125V PPB 3DID BKR 15 (600V LC 3X5)	OEE-316-01 Rev 1	ITE EH2 (20 A) 3DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 64 of 247

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X06

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TE-03 4KV SWGR 3TE BKR 03 (600V XFMR 3X06)	OEE-317-42 Rev 3	ITE 5HK-350 (1200 A) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(3TE-03) XFMR 3X06 OC RLY (X PHASE)	OEE-317-42 Rev 3	WESTINGHOUSE CO-8 (1875277) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TE-03) XFMR 3X06 OC RLY (Z PHASE)	OEE-317-42 Rev 3	WESTINGHOUSE CO-8 (1875277) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TE-03) XFMR 3X06 GROUND OC RLY	OEE-317-42 Rev 3	ITE GR-5 (202D6141) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3TX6A(3TE-03) LOADSHED CONTROL TIMING RLY (XFMR 3X6)	OEE-317-42-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 3TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3TX6B(3TE-03) LOADSHED CONTROL TIMING RLY (XFMR 3X6)	OEE-317-42-A Rev 0	CUTLER-HAMMER D26MRD70A1/D87XEL30 3TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3X6A(3TE-03) LOADSHED CONTROL RLY (XFMR 3X06)	OEE-317-42-A Rev 0	CUTLER-HAMMER D26MRD70A1 3TE	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
3X6B(3TE-03) LOADSHED CONTROL RLY (XFMR 3X06)	OEE-317-42-A Rev 0	CUTLER-HAMMER D26MRD70A1 3TE	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
3X06-04A 600V LC 3X06 BKR 04A (3X06 NORM FDR BKR)	OEE-316-02 Rev 0	ITE K-2000 (2000 A) 3X06	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X06) 600V LC 3X06 UV RLY	OEE-316-01 Rev 1	WESTINGHOUSE CV-7 (1875524) 3X06	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X06

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27X(3X06) 600V LC 3X06 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A46F 3X06	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X1(3X06) 600V LC 3X06AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X06	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X3(3X06) 600V LC 3X06 UV AUX RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X06	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27X5(3X06) 600V LC 3X06 AUX UV RLY	OEE-316-01 Rev 1	GENERAL-ELECTRIC HFA51A42F 3X06	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3DIC-18/MCB 125V PPB 3DIC BKR 18 (600V LC 3X6)	OEE-316-01 Rev 1	ITE EH2 (20 A) 3DIC/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X08

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TC-13 4KV SWGR 3TC BKR 13 (600V XFMR 3X08)	OEE-317-24 Rev 1	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(3TC-13) XFMR 3X08 OC RLY (X PHASE)	OEE-317-24 Rev 1	WESTINGHOUSE CO-8 (1875277) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-13) XFMR 3X08 OC RLY (Z PHASE)	OEE-317-24 Rev 1	WESTINGHOUSE CO-8 (1875277) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-13) XFMR 3X08 GROUND OC RLY	OEE-317-24 Rev 1	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X08-04A 600V LC 3X08 BKR 04A (3X08 NORM FDR BKR)	OEE-316-06 Rev 0	ITE K-1600 (1200 A) 3X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X08) 600V LC 3X08 UV RLY	OEE-316-05 Rev 0	WESTINGHOUSE CV-7 (1875524) 3X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X(3X08) 600V LC 3X08 AUX UV RLY	OEE-316-05 Rev 0	GENERAL-ELECTRIC HFA51A46F 3X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X1(3X08) 600V LC 3X08 AUX UV RLY	OEE-316-05 Rev 0	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X08	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
3DIA-03/MCB 125V PPB 3DIA BKR 03 (600V LC 3X8)	OEE-316-05 Rev 0	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 600V PWR (LOAD CENTERS)

SUB SYSTEM: 3X09

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TD-13 4KV SWGR 3TD BKR 13 (600V XFMR 3X09)	OEE-317-38 Rev 5	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(3TD-13) XFMR 3X09 OC RLY (X PHASE)	OEE-317-38 Rev 5	WESTINGHOUSE CO-8 (1875277) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TD-13) XFMR 3X09 OC RLY (Z PHASE)	OEE-317-38 Rev 5	WESTINGHOUSE CO-8 (1875277) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TD-13) XFMR 3X09 GROUND OC RLY	OEE-317-38 Rev 5	ITE GR-5 (202D6141) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X09-04A 600V LC 3X09 BKR 04A (3X09 NORM FDR BKR)	OEE-316-06 Rev 0	ITE K-1600 (1200 A) 3X09	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3X09) 600V LC 3X09 UV RLY	OEE-316-05 Rev 0	WESTINGHOUSE CV-7 (1875524) 3X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X(3X09) 600V LC 3X09 AUX UV RLY	OEE-316-05 Rev 0	GENERAL-ELECTRIC HFA51A46F 3X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
27X1(3X09) 600V LC 3X09 AUX UV RLY	OEE-316-05 Rev 0	GENERAL-ELECTRIC HFA65D62F (Low Ruggedness) 3X09	CA AB 796
<i>CA - Relay/Contact Has Been Disabled From Control Circuit.</i>			
3DIB-20/MCB 125V PPB 3DIB BKR 20 (600V LC 3X9)	OEE-316-05 Rev 0	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 600V PWR (LOAD CENTERS)**

SUB SYSTEM: **3X10**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TE-12 4KV SWGR 3TE BKR 12 (600V XFMR 3X10)	OEE-317-51 Rev 2	ITE 5HK-350 (1200 A) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50-51X(3TE-12) XFMR 3X10 OC RLY (X PHASE)	OEE-317-51 Rev 2	WESTINGHOUSE CO-5 (1875241) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TE-12) XFMR 3X10 OC RLY (Z PHASE)	OEE-317-51 Rev 2	WESTINGHOUSE CO-5 (1875241) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TE-12) XFMR 3X10 GROUND OC RLY	OEE-317-51 Rev 2	ITE GR-5 (202D6141) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 69 of 247

SYSTEM: U3 Condensate

SUB SYSTEM: FWPT A Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3MSVA0040

FWPT STOP VALVE

3FDWPS0246 FWP 3A SUCTION PRESS SWITCH (3MS-40)	OEE-346-A Rev 1	UNITED ELECTRIC UE-J6-670 3SGFP	CA TB 775
--	-----------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3FDWPS0255 FWPT 3A DISCH PRESS (HIGH) SWITCH	OEE-346-17 Rev 2	STATIC-O-RING 9NN-K45-M4-C1A-T 3MC-33	CA TB 775
---	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS170-A(PS1A) FWPT 3A STOP VALVE RESET (3MS-40)	OEE-346 Rev 10	SQUARE-D AGS11-9013 3FDWTR0001	CA TB 775
---	----------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

3TOPS171-A(PS2A) FWPT 3A THRUST BEARING WEAR ALARM (3MS-40)	OEE-346 Rev 10	SQUARE-D ALG5-9013 3FDWTR0001	CA TB 775
--	----------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS179-A(PS11A) FWPT 3A TRIP SOLENOID BLOCKED (3MS-40)	OEE-346 Rev 10	SQUARE-D AGS11-9013 3FDWTR0001	CA TB 775
---	----------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS180-A(PS12A) FWPT 3A THRUST BEARING WEAR (3MS-40)	OEE-346 Rev 10	SQUARE-D ALG5-9013 3FDWTR0001	CA TB 775
---	----------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS302-A(PS19A) FWPT 3A BEARING OIL PRESS LOW (3MS-40)	OEE-346 Rev 10	ITT NEO-DYN 100P11C3 3FDWTR0002	CA TB 775
---	----------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

OLT/LOWLEVELA/U3(3TOLS0626) OIL LEVEL TRIP SWITCH (3MS-40)	OEE-346 Rev 10	MAGNETROL TF21-F-M4 3FDWTR0001	CA TB 775
---	----------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3PS255X FWPT CONTROL RLY (FWPT 3A CONTROLS) (3MS-40)	OEE-346-17 Rev 2	STRUTHERS-DUNN 219ABAP 3TTC4	CA TB 796
--	------------------	------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condensate
 SUB SYSTEM: FWPT A Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
FPTX/U3 FWPT TRIP AUX RLY	OEE-321-44 Rev 4	CUTLER-HAMMER D23MRD21A1 3EHTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
SPTDA/U3 SUCTION PRESS TRIP DELAY TIMER (3MS-40)	OEE-346-A Rev 1	AGASTAT 7012 PB 3SGFP	CA TB 775
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3DIA-06/MCB 125V PPB 3DIA BKR 06 (FWPT TRIP RLY FPTX/U3)	OEE-321-44 Rev 4	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3DP-F01AL/MCB 125/250V DC 3DP BKR F01AL (FWPT 3A MISC CONT) (3MS-40)	OEE-346 Rev 10	GENERAL-ELECTRIC THED (50 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 71 of 247

SYSTEM: U3 Condensate

SUB SYSTEM: FWPT B Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3MSVA0043

FWPT STOP VALVE

3FDWPS0248 FWP 3B SUCTION PRESS SWITCH (3MS-43)	OEE-346-01-A Rev 1	UNITED ELECTRIC UE-J6-670 3SGFP	CA TB 775
--	--------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3FDWPS0256 FWPT 3B DISCH PRESS (HIGH) SWITCH	OEE-346-18 Rev 2	MELETRON ME-312-6SS49A 3MC-32	CA TB 775
---	------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS186-A(PS1A) FWPT 3B STOP VALVE ALARM PRESS SWITCH (3MS-43)	OEE-346-01 Rev 10	SQUARE-D AGS11-9013 3FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

3TOPS187-A(PS2A) FWPT 3B THRUST BEARING WEAR TRIP (3MS-43)	OEE-346-01 Rev 10	SQUARE-D ALG5-9013 3FDWTR0002	CA TB 775
---	-------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS195-A(PS11A) FWPT 3B TRIP SOLENOID BLOCKED (3MS-43)	OEE-346-01 Rev 10	SQUARE-D AGS11-9013 3FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS196-A(PS12A) FWPT 3B INACTIVE THRUST BEARING WEAR (3MS-43)	OEE-346-01 Rev 10	SQUARE-D ALG5-9013 3FDWTR0002	CA TB 775
---	-------------------	-------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3TOPS303-A(PS19A) FWPT 3B BEARING OIL PRESS LOW (3MS-43)	OEE-346-01 Rev 10	ITT NEO-DYN 100P11C3 3FDWTR0002	CA TB 775
---	-------------------	---------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

OLT/LOWLEVELB/U3(3TOLS0627) OIL LEVEL TRIP SWITCH (3MS-43)	OEE-346-01 Rev 10	MAGNETROL TF21-F-M4 3FDWTR0002	CA TB 775
---	-------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3PS256X FWPT CONTROL RLY (FWPT 3B CONTROLS) (3MS-43)	OEE-346-18 Rev 2	STRUTHERS-DUNN 219ABAP 3TTC4	CA TB 796
--	------------------	------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Condensate**

SUB SYSTEM: **FWPT B Controls**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

SPTDB/U3 SUCTION PRESS TRIP DELAY TIMER (3MS-43)	OEE-346-01-A Rev 1	AGASTAT 7012 PC 3SGFP	CA TB 775
---	--------------------	-----------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3DP-F03EL/MCB 125/250V DC 3DP BKR F03BL (FWPT 3B MISC CONT) (3MS-43)	OEE-346-01 Rev 10	GENERAL-ELECTRIC THED (50 A) 3DP	NV TB 796
--	-------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Condensate**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CPU0010			
HOTWELL PUMP 3A			
3TC-07 4KV SWGR 3TC BKR 07 (HWP 3A)	OEE-317-18 Rev 7	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TC-07) HOTWELL PUMP 3A UV RLY	OEE-317-18 Rev 7	WESTINGHOUSE CV-2 (1875508) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TC-07) HOTWELL PUMP 3A OC RLY (X PHASE)	OEE-317-18 Rev 7	WESTINGHOUSE CO-5 (1875241) 3TC	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50-51Z(3TC-07) HOTWELL PUMP 3A OC RLY (Z PHASE)	OEE-317-18 Rev 7	WESTINGHOUSE CO-5 (1875241) 3TC	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(3TC-07) HOTWELL PUMP 3A GROUND OC RLY	OEE-317-18 Rev 7	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CPU0011			
HOTWELL PUMP 3B			
3TD-06 4KV SWGR 3TD BKR 06 (HWP 3B)	OEE-317-31 Rev 8	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TD-06) HOTWELL PUMP 3B UV RLY	OEE-317-31 Rev 8	WESTINGHOUSE CV-2 (1875508) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TD-06) HOTWELL PUMP 3B OC RLY (X PHASE)	OEE-317-31 Rev 8	WESTINGHOUSE CO-5 (1875241) 3TD	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Condensate**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51Z(3TD-06) HOTWELL PUMP 3B OC RLY (Z PHASE)	OEE-317-31 Rev 8	WESTINGHOUSE CO-5 (1875241) 3TD	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(3TD-06) HOTWELL PUMP 3B GROUND OC RLY	OEE-317-31 Rev 8	ITE GR-5 (202D6141) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CPU0012			
HOTWELL PUMP 3C			
3TE-06 4KV SWGR 3TE BKR 06 (HWP 3C)	OEE-317-45 Rev 9	ITE 5HK-350 (1200 A) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TE-06) HOTWELL PUMP 3C UV RLY	OEE-317-45 Rev 9	WESTINGHOUSE CV-2 (1875508) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TE-06) HOTWELL PUMP 3C OC RLY (X PHASE)	OEE-317-45 Rev 9	WESTINGHOUSE CO-5 (1875241) 3TE	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50-51Z(3TE-06) HOTWELL PUMP 3C OC RLY (Z PHASE)	OEE-317-45 Rev 9	WESTINGHOUSE CO-5 (1875241) 3TE	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Equipment To Go To Its Desired Position.</i>			
50G(3TE-06) HOTWELL PUMP 3C GROUND OC RLY	OEE-317-45 Rev 9	ITE GR-5 (202D6141) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XI-01BB/(RSC-3FDW-374)/MS REMOTE STARTER (3FDW-374) (FED FROM 600V MCC 3XI-01BB) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-347-08 Rev 3	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-374/ENCL	EVAL (OSC-6642) AB 809
3FDWVA0382 MDEFW PUMP 3B ISOLATION			
3XJ-01BT/(RSC-3FDW-382)/MS REMOTE STARTER (3FDW-382) (FED FROM 600V MCC 3XJ-01BT) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-347-09 Rev 4	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-382/ENCL	EVAL (OSC-6642) AB 809
3FDWVA0384 STARTUP HEADER ISOL			
3XJ-01BT/(RSC-3FDW-384)/MS REMOTE STARTER (3FDW-384) (FED FROM 600V MCC 3XJ-01BT) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-347-10 Rev 3	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-384/ENCL	EVAL (OSC-6642) AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	S4T* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3XSF-F01C(600V)/(3FDW-347)/MCB 600V MCC 3XSF BKR FO1C (3FDW-347)	OEE-351-36 Rev 3	GENERAL-ELECTRIC THED (20 A) 3XSF(600V)	NV SSF 817
---	------------------	---	------------------

NV - Not Vulnerable To Contact Chatter.

3FDWVA0368

TDEFW TO HEADER A

3XJ-01BT/(RSC-3FDW-368)/MS REMOTE STARTER (3FDW-368) (FED FROM 600V MCC 3XJ-01BT)	OEE-347-12 Rev 3	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-368/ENCL	EVAL (OSC-6642) AB 809
---	------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XJ-01BT/(FDWREMOTESTARTERS)/MCB 600V MCC 3XJ BKR 01BT (FDW REMOTE STARTERS)	OEE-347-12 Rev 3	GENERAL-ELECTRIC THED (30 A) 3XJ	NV AB 809
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3FDWVA0369

TDEFW TO HEADER B

3XI-01BB/(RSC-3FDW-369)/MS REMOTE STARTER (3FDW-369) (FED FROM 600V MCC 3XI-01BB)	OEE-347-11 Rev 3	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-369/ENCL	EVAL (OSC-6642) AB 809
---	------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XI-01BB/(FDWREMOTESTARTERS)/MCB 600V MCC 3XI BKR 01BB (REMOTE FDW STARTERS)	OEE-347-11 Rev 3	GENERAL-ELECTRIC THED (30 A) 3XI	NV AB 809
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3FDWVA0372

MDEFW PUMP 3A ISOLATION

3XI-01BB/(RSC-3FDW-372)/MS REMOTE STARTER (3FDW-372) (FED FROM 600V MCC 3XI-01BB)	OEE-347-07 Rev 3	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-372/ENCL	EVAL (OSC-6642) AB 809
---	------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

3FDWVA0374

STARTUP HEADER ISOL

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NAL1/U3(FDWEP0271) SIGNAL COMPARATOR CARD FOR (FDWEP0271)	OM 2201-L-33 SH4 Rev	WESTINGHOUSE 2837A13G01 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U3(FDWEP0271) AUX RELAY CARD FOR (FDWEP0271)	OM 2201-L-33 SH4 Rev	WESTINGHOUSE 2838A89G01 3SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U3(FDWEP0271) CONTROL CARD FOR (FDWEP0271)	OM 2201-L-33 SH4 Rev	WESTINGHOUSE 2838A30G01 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NCD/U3(FDWEP0271) DRIVER CARD FOR (FDWEP0271)	OM 2201-L-33 SH4 Rev	WESTINGHOUSE 2837A16G03 3SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NPC/U3(FDWEP0271) POTENTIOMETER CARD FOR (FDWEP0271)	OM 2201-L-33 SH4 Rev	WESTINGHOUSE 2837A93G01 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NRC/U3(FDWEP0271) RELAY CARD FOR (FDWEP0271)	OM 2201-L-33 SH4 Rev	WESTINGHOUSE 2837A87G04 3SGLC	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>			
NLP/U3(FDWEP0271) LOOP POWER SUPPLY FOR (FDWEP0271)	OM 2201-L-33 SH4 Rev	WESTINGHOUSE 2837A12G02 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIC-10/MCB(3FDWLT0083) 120V PPB 3KVIC BKR 10 (3FDWLT0083)	OEE-355-40 Rev 1	ITE QPI (20 A) 3KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWVA0347 MDEFW PUMP 3B ISOLATION			
3XSF-F01C(600V)/(3FDW-347)/MS 600V MCC 3XSF-F01C MTR STARTER (3FDW-347)	OEE-351-36 Rev 3	GTE-SYLVANIA BUL 6240 3XSF(600V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NAL1/U3(FDWEP0273) SIGNAL COMPARATOR CARD FOR (FDWEP0273)	OM 2201-L-33 SH2 Rev	WESTINGHOUSE 2837A13G01 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U3(FDWEP0273) AUX RELAY CARD FOR (FDWEP0273)	OM 2201-L-33 SH2 Rev	WESTINGHOUSE 2838A89G01 3SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U3(FDWEP0273) CONTROL CARD FOR (FDWEP0273)	OM 2201-L-33 SH2 Rev	WESTINGHOUSE 2838A30G11 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NCD/U3(FDWEP0273) DRIVER CARD FOR (FDWEP0273)	OM 2201-L-33 SH2 Rev	WESTINGHOUSE 2837A16G03 3SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NPC/U3(FDWEP0273) POTENTIOMETER CARD FOR (FDWEP0273)	OM 2201-L-33 SH2 Rev	WESTINGHOUSE 2837A93G01 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NRC/U3(FDWEP0273) RELAY CARD FOR (FDWEP0273)	OM 2201-L-33 SH2 Rev	WESTINGHOUSE 2837A87G04 3SGLC	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>			
NLP/U3(FDWEP0273) LOOP POWER SUPPLY FOR (FDWEP0273)	OM 2201-L-33 SH2 Rev	WESTINGHOUSE 2837A12G02 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIB-10/MCB(3FDWLT0081) 120V PPB 3KVIB BKR 10 (3FDWLT0081)	OEE-355-39 Rev 1	ITE QP1 (20 A) 3KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWLT0083 SG 3B LEVEL TRANSMITTER	OM 2201-L-33 SH4 Rev	ROSEMOUNT 1154DP5RB 3FDWLT0083	NV RB 777'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWP0271 SG 3B LEVEL INDICATOR	OM 2201-L-33 SH4 Rev	WESTINGHOUSE VX-252 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NCD/U3(FDWEP0272) DRIVER CARD FOR (FDWEP0272) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE 2837A16G03 3SGLC	EVAL (OM-393-0001) AB 809
NPC/U3(FDWEP0272) POTENTIOMETER CARD FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE 2837A93G01 3SGLC	NV AB 809
NRC/U3(FDWEP0272) RELAY CARD FOR (FDWEP0272) <i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE 2837A87G04 3SGLC	CA AB 809
NLP/U3(FDWEP0272) LOOP POWER SUPPLY FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE 2837A12G02 3SGLC	NV AB 809
3KVIC-10/MCB(3FDWLT0082) 120V PPB 3KVIC BKR 10 (3FDWLT0082) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-40 Rev 1	ITE QP1 (20 A) 3KVIC	NV AB 809
3FDWVA0316 MDEFW PUMP 3B ISOLATION			
RXB/U3 3FDW-316 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-67 Rev 3	CUTLER-HAMMER D26MRD22A1 3UB1	GERS-RLY-AI2.4 AB 822
3DIC-10/(3FDW-316)/MCB 125V PPB 3DIC BKR 10 (3FDW-316) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-67 Rev 3	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
3FDWLT0081 SG 3B LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH2 Rev	ROSEMOUNT 1154DP5RB 3FDWLT0081	NV RB 777'+6"
3FDWP0273 SG 3B LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH2 Rev	WESTINGHOUSE VX-252 3UB1	NV AB 822

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 110 of 247

SYSTEM: **U3 Emergency Feedwater**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NCD/U3(FDWEP0270) DRIVER CARD FOR (FDWEP0270) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-L-33 SH1 Rev	WESTINGHOUSE 2837A16G03 3SGLC	EVAL (OM-393-0001) AB 809
NPC/U3(FDWEP0270) POTENTIOMETER CARD FOR (FDWEP0270) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH1 Rev	WESTINGHOUSE 2837A93G01 3SGLC	NV AB 809
NRC/U3(FDWEP0270) RELAY CARD FOR (FDWEP0270) <i>Rugged Relay Whose Contact Chatter Can Change Control Set Points All Of Which Can Be Used For Safe Shutdown.</i>	OM 2201-L-33 SH1 Rev	WESTINGHOUSE 2837A87G04 3SGLC	CA AB 809
NLP/U3(FDWEP0270) LOOP POWER SUPPLY FOR (FDWEP0270) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH1 Rev	WESTINGHOUSE 2837A12G02 3SGLC	NV AB 809
3KVIB-10/MCB(3FDWLT0080) 120V PPB 3KVIB BKR 10 (3FDWLT0080) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH3 Rev	ITE QP1 (20 A) 3KVIB	NV AB 809
3FDWLT0082 SG 3A LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH3 Rev	ROSEMOUNT 1154 DP5RB 3FDWLT0082	NV RB 777'+6"
3FDWP0272 SG 3A LEVEL INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE VX-252 3UB1	NV AB 822
NAL1/U3(FDWEP0272) SIGNAL COMPARATOR CARD FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE 2837A13G01 3SGLC	NV AB 809
NAS1/U3(FDWEP0272) AUX RELAY CARD FOR (FDWEP0272) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE 2838A89G01 3SGLC	EVAL (OM-393-0001) AB 809
NCB/U3(FDWEP0272) CONTROL CARD FOR (FDWEP0272) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-L-33 SH3 Rev	WESTINGHOUSE 2838A30G11 3SGLC	NV AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 109 of 247

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(3FDW-108)(CA-V5B)(3ES-2) RO RLY (3FDW-108)	OEE-357-06 Rev 6	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3DIB-25/(3FDW-108)/MCB 125V PPB 3DIB BKR 25 (3FDW-108)	OEE-357-06 Rev 6	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWVA0315 MDEFW PUMP 3A ISOLATION			
RXA/U3 3FDW-315 CONTROL RLY	OEE-345-66 Rev 3	CUTLER-HAMMER D26MRD22A1 3UB1	GERS-RLY-AI2.4 AB 822
<i>GERS - Seismically Adequate Per GERS.</i>			
3DIB-10/(FDW-315)/MCB 125V PPB 3DIB BKR 10 (3FDW-315)	OEE-345-66 Rev 3	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWLT0080 SG 3A LEVEL TRANSMITTER	OM 2201-L-33 SH1 Rev	ROSEMOUNT 1154 DP5RB 3FDWLT0080	NV RB 777'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWP0270 SG 3A LEVEL INDICATOR	OM 2201-L-33 SH1 Rev	WESTINGHOUSE VX-252 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAL1/U3(FDWEP0270) SIGNAL COMPARATOR CARD FOR (FDWEP0270)	OM 2201-L-33 SH1 Rev	WESTINGHOUSE 2837A13G01 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NAS1/U3(FDWEP0270) AUX RELAY CARD FOR (FDWEP0270)	OM 2201-L-33 SH1 Rev	WESTINGHOUSE 2838A89G01 3SGLC	EVAL (OM-393-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
NCB/U3(FDWEP0270) CONTROL CARD FOR (FDWEP0270)	OM 2201-L-33 SH1 Rev	WESTINGHOUSE 2838A30G11 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Emergency Feedwater**

SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

3DIB-25/(3FDW-106)/MCB 125V PPB 3DIB BKR 25 (3FDW-106)	OEE-357-05 Rev 6	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3FDWVA0107

SG 3B SAMPLE ISOLATION

3CR-57(3FDW-107)(CA-V4B)(3ES-1) 3FDW-107 ESFAS INTERFACE RLY	OEE-357-03 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-50(3FDW-107)(CA-V4B)(3ES-1) 3FDW-107 CONTROL RLY	OEE-357-03 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3FDW-107)(CA-V4B)(3ES-1) RO RLY (3FDW-107)	OEE-357-03 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS1-R06D/(3FDW-107)/MS 208V MCC 3XS1-R06D STARTER (3FDW-107)	OEE-357-03 Rev 4	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-R06D/(3FDW-107)/MCB 208V MCC 3XS1 BKR R06D (3FDW-107)	OEE-357-03 Rev 4	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3FDWVA0108

SG 3B SAMPLE ISOLATION

3CR-41(3FDW-108)(CA-V5B)(3ES-2) 3FDW-108 ESFAS INTERFACE RLY	OEE-357-06 Rev 6	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
---	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-37(3FDW-108)(CA-V5B)(3ES-2) 3FDW-108 CONTROL RLY	OEE-357-06 Rev 6	CUTLER-HAMMER D23MRD30A1 3ESTC2	GERS-RLY-AI2.4 AB 809
---	------------------	---------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

3FDWVA0105

SG 3A SAMPLE ISOLATION

3CR-56(3FDW-105)(CA-V4A)(3ES-1) 3FDW-105 ESFAS INTERFACE RLY	OEE-357-02 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-49(3FDW-105)(CA-V4A)(3ES-1) 3FDW-105 CONTROL RLY	OEE-357-02 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3FDW-105)(CA-V4A)(3ES-1) RO RLY (3FDW-105)	OEE-357-02 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS1-R06C(3FDW-105)/MS 208V MCC 3XS1-R06C STARTER (3FDW-105)	OEE-357-02 Rev 4	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
---	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-R06C(3FDW-105)/MCB 208V MCC 3XS1 BKR R06C (3FDW-105)	OEE-357-02 Rev 4	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3FDWVA0106

SG 3A SAMPLE ISOLATION

3CR-40(3FDW-106)(CA-V5A)(3ES-2) 3FDW-106 ESFAS INTERFACE RLY	OEE-357-05 Rev 6	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
---	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-36(3FDW-106)(CA-V5A)(3ES-2) 3FDW-106 CONTROL RLY	OEE-357-05 Rev 6	CUTLER-HAMMER D23MRD30A1 3ESTC2	GERS-RLY-AI2.4 AB 809
---	------------------	---------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

RO(3FDW-106)(CA-V5A)(3ES-2) RO RLY (3FDW-106)	OEE-357-05 Rev 6	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3SLB MDEFWP 3B CONT RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-355-40 Rev 1	CUTLER-HAMMER D26MR40A/D87AE 3MTC4	GERS-RLY-AI2.4 AB 809
RX/BAU3 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-355-40 Rev 1	STRUTHERS-DUNN 219BBXP 3SGLC	GERS-RLY-ARS.4 AB 809
RX/BBU3 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-355-40 Rev 1	STRUTHERS-DUNN 219BBXP 3SGLC	GERS-RLY-ARS.4 AB 809
3KVIC-10/MCB(SGLC3) 120V PPB 3KVIC BKR 10 (POWER TO SGLC3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-40 Rev 1	ITE QP1 (20 A) 3KVIC	NV AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RX/ABU3 STEAM GEN LEVEL AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-355-39 Rev 1	STRUTHERS-DUNN 219BBXP 3SGLC	GERS-RLY-ARS.4 AB 809
3KVIB-10/MCB(SGLC3) 120V PPB 3KVIB BKR 10 (POWER TO SGLC3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-39 Rev 1	ITE QP1 (20 A) 3KVIB	NV AB 809
3FDWPU0005 MDEFW PUMP 3B			
3TE-00 4KV SWGR 3TE BKR 00 (MDEFWP 3B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-67 Rev 5	ITE 5HK-350 (1200 A) 3TE	NV TB 796
3FDWPS0383 FWPT 3A CONTROL OIL PRESS SWITCH (3TE-00) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-67 Rev 5	CUSTOM COMPONENTS CC-604GZ3 3B TBOX EH	EVAL (OSC-6642) TB 775
3FDWPS0385 MDEFWP 3B CONTROL OIL PRESS SWITCH (3TE-00) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-317-67 Rev 5	CUSTOM COMPONENTS CC-604GZ3 3B TBOX EH	EVAL (OSC-6642) TB 775
3XRB(3TE-00) MDEFWP 3B CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-67 Rev 5	CUTLER-HAMMER D26MRD40A1 3TE	GERS-RLY-AI2.4 TB 796
50-51(3TE-00) MDEFW PUMP 3B OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-67 Rev 5	ITE 51L (223T5341) 3TE	NV TB 796
50G(3TE-00) MDEFW PUMP 3B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-67 Rev 5	ITE GR-5 (202D6141UL) 3TE	NV TB 796
3LPSVA0525 EFW PUMP 3B LPSW ISOLATION VALVE			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Emergency Feedwater**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3FDWPU0004 MDEFW PUMP 3A			
3TD-00 4KV SWGR 3TD BKR 00 (MDEFWP 3A)	OEE-317-66 Rev 5	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWPS0382 FWP 3A CONTROL OIL PRESS SWITCH (3TD-00)	OEE-317-66 Rev 5	CUSTOM COMPONENTS CC-604GZ3 3B TBOX EH	EVAL (OSC-6642) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3FDWPS0384 FWP 3B CONTROL OIL PRESS SWITCH (3TD-00)	OEE-317-66 Rev 5	CUSTOM COMPONENTS CC-604GZ3 3A TBOX EH	EVAL (OSC-6642) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XRA(3TD-00) MDEFWP 3A CONTROL RLY	OEE-317-66 Rev 5	CUTLER-HAMMER D26MRD30A1 3TD	GERS-RLY-AI2.4 TB 796
<i>GERS - Seismically Adequate Per GERS.</i>			
50-51(3TD-00) MDEFW PUMP 3A OC RLY	OEE-317-66 Rev 5	ITE 51L (223T5341) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
50G(3TD-00) MDEFW PUMP 3A GROUND OC RLY	OEE-317-66 Rev 5	ITE GR-5 (202D6141UL) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPSVA0516 EFW PUMP 3A LPSW ISOLATION VALVE			
3SLA MDEFWP 3A CONT RLY	OEE-355-39 Rev 1	CUTLER-HAMMER D26MR40A/D87AE 3MTC4	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RX/AAU3 STEAM GEN LEVEL AUX RLY	OEE-355-39 Rev 1	STRUTHERS-DUNN 219BBXP 3SGLC	GERS-RLY-ARS.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Emergency Feedwater**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3FDWSI0141 SG 3B FLOW INDICATOR (ISOLATED SIGNAL TRANSMITTER) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2422-M-37 Rev 7	ROCHESTER INSTRUMENTS SC-1302 3SGLC	NV AB 809
3FDWSQRT0141 SG 3B FLOW INDICATOR (SQUARE ROOT EXTRACTOR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2422-M-37 Rev 7	ROCHESTER INSTRUMENTS SC-1330 3SGLC	NV AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 102 of 247

SYSTEM: **U3 Emergency Feedwater**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3FDWPY0154 3B EFW HEADER POWER SUPPLY (FLOW IND)	OEE-347-35 Rev 0	LAMBDA 48-LCS-CC 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIC-09/MCB(3FDWP0276) 120V PPB 3KVIC BKR 9 (3FDWP0276)	OEE-347-35 Rev 0	ITE QP1 (20 A) 3KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWP0277 3A EFW HEADER FLOW IND	O-2422-M-37 Rev 7	WESTINGHOUSE VX-252 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWFT0140 3A EFW HEADER FLOW	O-2422-M-37 Rev 7	ROSEMOUNT 1153DB5RB 3FDWFT0140	NV AB 783
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWPY0140 3A EFW HEADER FLOW (POWER SUPPLY)	O-2422-M-37 Rev 7	LAMBDA 48-LCS-CC 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWSI0140 SG 3A FLOW INDICATOR (ISOLATED SIGNAL TRANSMITTER)	O-2422-M-37 Rev 7	ROCHESTER INSTRUMENTS SC-1302 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWSQRT0140 SG 3A FLOW INDICATOR (SQUARE ROOT EXTRACTOR)	O-2422-M-37 Rev 7	ROCHESTER INSTRUMENTS SC-1330 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWP0278 3B EFW HEADER FLOW IND	O-2422-M-37 Rev 7	WESTINGHOUSE VX-252 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWFT0141 3B EFW HEADER FLOW	O-2422-M-37 Rev 7	ROSEMOUNT 1152DP5E92PB 3FDWFT0141	NV AB 783
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWPY0141 3B EFW HEADER FLOW (POWER SUPPLY)	O-2422-M-37 Rev 7	LAMBDA 48-LCS-CC 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 101 of 247

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3FDWP0275 3A EFW HEADER FLOW IND	OEE-347-34 Rev 0	WESTINGHOUSE VX-252 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWFT0153 3A EFW HEADER FLOW TRANSMITTER	OEE-347-34 Rev 0	ROSEMOUNT 1152DP5E92PB 3FDWFT0153	NV AB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWSI0153 3A EFW HEADER ISOLATED SIGNAL TRANSMITTER (FLOW IND)	OEE-347-34 Rev 0	ROCHESTER-INSTRUMENTS SC-1302 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWSQRT0153 3A EFW HEADER SQUARE ROOT EXTRACTOR (FLOW IND)	OEE-347-34 Rev 0	ROCHESTER-INSTRUMENTS SC-1330 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWPY0153 3A EFW HEADER POWER SUPPLY (FLOW IND)	OEE-347-34 Rev 0	LAMBDA 48-LCS-CC 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIC-09/MCB(3FDWP0275) 120V PPB 3KVIC BKR 9 (3FDWP0275)	OEE-347-34 Rev 0	ITE QP1 (20 A) 3KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWP0276 3B EFW HEADER FLOW IND	OEE-347-35 Rev 0	WESTINGHOUSE VX-252 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWFT0154 3B EFW HEADER FLOW TRANSMITTER	OEE-347-35 Rev 0	ROSEMOUNT 1152DP5E92PB 3FDWFT0154	NV AB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWSI0154 3B EFW HEADER ISOLATED SIGNAL TRANSMITTER (FLOW IND)	OEE-347-35 Rev 0	ROCHESTER-INSTRUMENTS SC-1302 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWSQRT0154 3B EFW HEADER SQUARE ROOT EXTRACTOR (FLOW IND)	OEE-347-35 Rev 0	ROCHESTER-INSTRUMENTS SC-1330 3SGLC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table S-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Feedwater
SUB SYSTEM: Emergency Turbine Pump

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3SV74X EFWPT CONTROL RLY	OEE-347-02 Rev 16	CUTLER-HAMMER D26MR40A 3UB1	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3KVID-06/MCB 120V PPB 3KVID BKR 06 (3MS-93)	OEE-347-02 Rev 16	ITE QP1 (20 A) 3KVID	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3TOPU0022 EFWPT AUX OIL PUMP			
3FDWPS0300 3EFPT LOW HYDR OIL PRESS SWITCH	OEE-347-05 Rev 4	SQUARE D 9013 3FDWPS0300	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3DP-R03A/(EFWPTOILPUMP)/MS 125/250V DC 3DP MOTOR STARTER R03A (3EFWPT AUX OIL PUMP)	OEE-347-05 Rev 4	CLARK BUL 6253 3DP	CA TB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3DP-R03A/(EFWPTOILPUMP)/MCB 125/250V DC 3DP BKR R03A (3EFWPT AUX OIL PUMP)	OEE-347-05 Rev 4	GENERAL-ELECTRIC THEF (28/68 A) 3DP	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 99 of 247

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: Emergency Turbine Pump

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3MS94X EFWPT CONTROL RLY (3MS-87)	OEE-347-02 Rev 16	CUTLER-HAMMER D26MRD40A1/D26MD10 3AT4	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3MSPY0042 UNIT 3 UPS (3MSS0042 - 3MS-87))	OEE-347-02-A Rev 5	ELGAR IPS 1100X 3IPS1100X/U3	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
3DIB-03/MCB 125V PPB 3DIB BKR 03 (TURB MISC CONT) (3MS-87)	OEE-347-02 Rev 16	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KC-32/MCB 120V PPB 3KC BKR 32 (3MSS0042)	OEE-347-02-A Rev 5	GENERAL-ELECTRIC THQL (15 A) 3KC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0093			
TDEFW MS ISOLATION VALVE			
3FDWPS1009 MAIN FWP DISCH PRESS SWITCH (3MS-93)	OEE-347-02 Rev 16	STATIC-O-RING 9N6W5U8CIAJJTNQ 3FDWPS1004	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3FDWPS1010 MAIN FWP DISCH PRESS SWITCH (3MS-93)	OEE-347-02 Rev 16	STATIC-O-RING 9N6W5U8CIAJJTNQ 3FDWPS1010	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3FDWPS1011 MAIN FWP DISCH HDR PRESS SWITCH (3MS-93)	OEE-347-02 Rev 16	STATIC-O-RING 9N6W3U8CIAJJTNQ 3A TBOX EH	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3FDWPS1012 MAIN FWP DISCH HDR PRESS SWITCH (3MS-93)	OEE-347-02 Rev 16	STATIC-O-RING 6N6W3U8C1AJJTNQ 3B TBOX EH	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3EFWCB 3MS-93 CONTROL RLY	OEE-347-02 Rev 16	CUTLER-HAMMER D26MR40A/D87XDL30 3UB1	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 98 of 247

SYSTEM: **U3 Emergency Feedwater**
SUB SYSTEM: **Emergency Turbine Pump**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3MSVA0082

TDEFW STEAM SUPPLY

3XA-A-R05A/(3MS-82)/MS 208V MCC 3XA-A-R05A STARTER (3MS-82)	OEE-347 Rev 4	CLARK BUL 6030 CY-1 (H1) 3XA-A	EVAL (MCC QUAL) TB 796
--	---------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XA-A-R05A/(3MS-82)/MCB 208V MCC 3XA-A BKR R5A (3MS-82)	OEE-347 Rev 4	GENERAL-ELECTRIC TEC (18/90 A) 3XA-A	NV TB 796
--	---------------	--	-----------------

*NV - Not Vulnerable To Contact Chatter.***3MSVA0084**

TDEFW STEAM SUPPLY

3XA-A-R05B/(3MS-84)/MS 208V MCC 3XA-A-R05B STARTER (3MS-84)	OEE-347-01 Rev 4	CLARK BUL 6030 CY-1 (H1) 3XA-A	EVAL (MCC QUAL) TB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XA-A-R05B/(3MS-84)/MCB 208V MCC 3XA-A BKR R5B (3MS-84)	OEE-347-01 Rev 4	GENERAL-ELECTRIC TEC (42/198 A) 3XA-A	NV TB 796
--	------------------	---	-----------------

*NV - Not Vulnerable To Contact Chatter.***3MSVA0087**

TDEFW MS ISOLATION VALVE

3MSEP0016 3MS-87 E/P CONVERTER	OEE-347-02-A Rev 5	FISHER 3582-1-53 3MSVA0087	NV TB 796
-----------------------------------	--------------------	----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSPT0057 STEAM TO EFWPT PRESS XMTR	OEE-347-02-A Rev 5	ROSEMOUNT 1151GP9E22T1122B 3MC-29	NV TB 796
--	--------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSSS0042 STM TO EFWPT PRESS VALVE (CONTROLS 3MS-87)	OEE-347-02-A Rev 5	MOORE PRODUCTS 352EA21NNF 3MC-29	NV TB 796
---	--------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: ATWS Mitigation Cont

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BB2/U3 ATWS INTERFACE RLY	OEE-347-28 Rev 1	STRUTHERS-DUNN 219DXBP 3TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CC2/U3 ATWS INTERFACE RLY	OEE-347-28 Rev 1	STRUTHERS-DUNN 219DXBP 3TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .</i>			
DB/U3 ATWS AUX RELAY	OEE-347-28 Rev 1	STRUTHERS-DUNN 219FXXP 3ATWSCP	CA AB 838
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
DD2/U3 ATWS INTERFACE RLY	OEE-347-28 Rev 1	STRUTHERS-DUNN 219DXBP 3TBATWS2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .</i>			
3FDWPY2001 ATWS POWER SUPPLY (UNIT 3 AMSAC CHANNEL 2)	OEE-347-13 Rev 1	AT&T 1000/E101/T440 3ATWSCP	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KG-27/MCB 120V PPB 3KG BKR 27 (UNIT 3 AMSAC CHANNEL 2)	OEE-347-13 Rev 1	GENERAL-ELECTRIC TQL (20 A) 3KG	NV AB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Feedwater

SUB SYSTEM: ATWS Mitigation Cont

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

AMSACChannel1/U3

U3 AMSAC Channel 1

ROM221CH1/U3 ATWS PLC OUTPUT MODULE	OEE-347-18 Rev 1	SQUARE D SY/MAX 8030/ROM-221 3ATWSCP	NV AB 838
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

AB/U3 U3 ATWS AUX RELAY	OEE-347-18 Rev 1	STRUTHERS-DUNN 219FXXP 3ATWSCP	CA AB 838
----------------------------	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

BB1/U3 ATWS INTERFACE RLY	OEE-347-18 Rev 1	STRUTHERS-DUNN 219DXBP 3TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

CC1/U3 ATWS INTERFACE RLY	OEE-347-18 Rev 1	STRUTHERS-DUNN 219DXBP 3TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .

DD1/U3 ATWS INTERFACE RLY	OEE-347-18 Rev 1	STRUTHERS-DUNN 219DXBP 3TBATWS1	CA AB 809
------------------------------	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because Chatter Cannot Block The Starting Of THE MDEFW Pump .

3FDWPY2000 ATWS POWER SUPPLY (UNIT 3 AMSAC CHANNEL 1)	OEE-347-13 Rev 1	AT&T 1000/E101/T440 3ATWSCP	NV AB 838
--	------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KG-26/MCB 120V PPB 3KG BKR 26 (UNIT 3 AMSAC CHANNEL 1)	OEE-347-13 Rev 1	GENERAL-ELECTRIC TQL (20 A) 3KG	NV AB 838
--	------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

AMSACChannel2/U3

U3 AMSAC Channel 2

ROM221CH2/U3 ATWS PLC OUTPUT MODULE	OEE-347-28 Rev 1	SQUARE D SY/MAX 8030/ROM-221 3ATWSCP	NV AB 838
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Control Rod Position

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RPI/U3 UNIT 3 CONT ROD POSITION INDICATORS	OM 2201-1165 Rev D2	DIAMOND POWER 703255 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RPIAMP-A01/U3(Typical) ROD POSITION AMPLIFIER A01	OM 2201-1165 Rev D2	DIAMOND POWER ASSY 707193-103 3SL-6	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
K-60/U3 ABS/REL RPI SELECT RLY	OM 2201-1172 Rev D2	T-BAR 956410 3SL-6	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
K-61/U3 ABS/REL RPI SELECT RLY	OM 2201-1172 Rev D2	T-BAR 956410 3SL-6	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
K-62/U3 ABS/REL RPI SELECT RLY	OM 2201-1172 Rev D2	T-BAR 956410 3SL-6	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
3KX-14/MCB 120V PPB 3KX BKR 24 (RPI PWR SOURCE)	O-2705-A Rev 42	ITE CC (20 A) 3KX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3CCWVA0287
 SSF ISOL VALVE

3XSF-F01BL(600V)/(RSC-3CCW-287)/MS 600V REMOTE STARTER (3CCW-287) FED FROM 600V MCC 3XSF <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-47 Rev 0	GTE-SYLVANIA BUL 6038/40 TM 3RSC-3CCW-287/ENCL	EVAL (OSC-6642) SSF 758
---	------------------	--	-------------------------------

3XSF-F01BL(600V)/(RSC-3CCW-287)/MCB 600V MCC 3XSF BKR F01BL (3CCW-287) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-47 Rev 0	GENERAL-ELECTRIC THED (20 A) 3XSF(600V)	NV SSF 817
---	------------------	---	------------------

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

XOD1-04D/MCB 208V MCC XOD1 BKR 04D (3CCW-28)	OEE-336-10 Rev 0	GENERAL-ELECTRIC TEF6 (15/35 A) XOD1	NV YD 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3CCWVA0029

CCW VENT VALVE

3XA-R07D/(3CCW-29)/MS 208V MCC 3XA-R07D STARTER (3CCW-29)	OEE-336-10 Rev 0	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XA-R07D/(3CCW-29)/MCB 208V MCC 3XGA BKR 07D (3CCW-29)	OEE-336-10 Rev 0	GENERAL-ELECTRIC TEC (18/90 A) 3XA	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3CCWVA0093

EM DISCHARGE VALVE

1MVC3-01D/3CCW-93/MS 250V MCC 1MVC3-01D STARTER (U3 CCW-93)	OEE-336-08 Rev 4	CLARK BUL 6258 CY-1 1MVC3	EVAL (MCC QUAL) TB 775
--	------------------	---------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

1MVC3-01D/MCB 250V MCC 1MVC3 BKR 01D (U3 COND EM OUTLET VLV CCW-93)	OEE-336-08 Rev 4	GENERAL-ELECTRIC THEF (15/35 A) 1MVC3	NV TB 775
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3CCWVA0269

CROSSOVER ISOLATION TO A

3XSF-F01D(600V)/(3CCW-269)/MS 600V MCC 3XSF-F01D STARTER (3CCW-269)	OEE-351-35 Rev 3	GTE-SYLVANIA BUL 6240 3XSF(600V)	EVAL (SSF QUAL) SSF 817
--	------------------	--	-------------------------------

EVAL - Seismically Adequate Per Test Report.

3XSF-F01D(600V)/(3CCW-269)/MCB 600V MCC 3XSF BKR F01D (3CCW-269)	OEE-351-35 Rev 3	GENERAL-ELECTRIC THED (20 A) 3XSF(600V)	NV SSF 817
---	------------------	---	------------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XS1-F03C/(3CCW-13)/MS 600V MCC 3XS1-F03C STARTER (3CCW-13) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-336-07 Rev 2	CLARK BUL 6030 CY-1 (B1A) 3XS1	EVAL (MCC QUAL) AB 796
3XS1-F03C/(3CCW-13)/MCB 600V MCC 3XS1 BKR F03C (3CCW-13) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-336-07 Rev 2	GENERAL-ELECTRIC THED (20 A) 3XS1	NV AB 796
3CCWVA0026 CCW VENT VALVE			
XOD1-04C/3CCW-26/MS 208V MCC XOD1-04C STARTER (3CCW-26) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-336-09 Rev 1	CLARK BUL 6240 CY-1 XOD1	EVAL (MCC QUAL) YD 796
XOD1-04C/MCB 208V MCC XOD1 BKR 04C (3CCW-26) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-336-09 Rev 1	GENERAL-ELECTRIC TEC (8/38 A) XOD1	NV YD 796
3CCWVA0027 CCW VENT VALVE			
3XA-R07C/(3CCW-27)/MS 208V MCC 3XA-R07C STARTER (3CCW-27) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-336-09 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
3XA-R07C/(3CCW-27)/MCB 208V MCC 3XA BKR R07C (3CCW-27) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-336-09 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XA	NV TB 796
3CCWVA0028 CCW VENT VALVE			
XOD1-04D/3CCW-28/MS 208V MCC XOD1-04D STARTER (3CCW-28) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-336-10 Rev 0	CLARK BUL 6240 CY-1 XOD1	EVAL (MCC QUAL) YD 796

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3CCWVA0010
 DISCH ISOL VALVE

3XS1-F02C/(3CCW-10)/MS 600V MCC 3XS1-F02C STARTER (3CCW-10)	OEE-336-04 Rev 2	CLARK BUL 6030 CY-1 (B1A) 3XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-F02C/(3CCW-10)/MCB 600V MCC 3XS1 BKR F02C (3CCW-10)	OEE-336-04 Rev 2	GENERAL-ELECTRIC THED (20 A) 3XS1	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3CCWVA0011
 DISCH ISOL VALVE

3XS2-F02D/(3CCW-11)/MS 600V MCC 3XS2-F02D STARTER (3CCW-11)	OEE-336-05 Rev 2	CLARK BUL 6030 CY-1 (B1A) 3XS2	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS2-F02D/(3CCW-11)/MCB 600V MCC 3XS2 BKR F02D (3CCW-11)	OEE-336-05 Rev 2	GENERAL-ELECTRIC THED (20 A) 3XS2	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3CCWVA0012
 DISCH ISOL VALVE

3XS3-02E/(3CCW-12)/MS 600V MCC 3XS3-02E STARTER (3CCW-12)	OEE-336-06 Rev 2	CLARK BUL 6030 CY-1 (B1A) 3XS3	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS3-02E/(3CCW-12)/MCB 600V MCC 3XS3 BKR 02E (3CCW-12)	OEE-336-06 Rev 2	GENERAL-ELECTRIC THED (20 A) 3XS3	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3CCWVA0013
 DISCH ISOL VALVE

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 90 of 247

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27(3TC-05) CCW PUMP 3D UV RLY	OEE-317-16 Rev 4	WESTINGHOUSE CV-2 (1875508) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TC-05) CCW PUMP 3D OC RLY (X PHASE)	OEE-317-16 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-05) CCW PUMP 3D OC RLY (Z PHASE)	OEE-317-16 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-05) CCW PUMP 3D GROUND OC RLY	OEE-317-16 Rev 4	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CCWPU0024			
EFWPT OIL COOLER PUMP			
3XS3-04C/(3EFDWPTOILCOOLWTRPUMP)/MS 208V MCC 3XS3-04C STARTER (EFWPT OIL COOL WATER PUMP)	OEE-336-21 Rev 1	CLARK BUL 6013 CY-1 (G1) 3XS3	CA AB 796
<i>Rugged Starter Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XS3-04C/(3EFDWPTOILCOOLWTRPUMP)/MCB 208V MCC 3XS3 BKR 04C (EFPW BRG OIL COOL PUMP)	OEE-336-21 Rev 1	GENERAL-ELECTRIC TED (15 A) 3XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Pumps

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
50-51Z(3TD-04) CCW PUMP 3B OC RLY (Z PHASE)	OEE-317-29 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TD-04) CCW PUMP 3B GROUND OC RLY	OEE-317-29 Rev 4	ITE GR-5 (202D6141) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CCWPU0003			
CCW PUMP 3C			
3TE-04 4KV SWGR 3TE BKR 04 (CCWP 3C)	OEE-317-43 Rev 4	ITE 5HK-350 (1200 A) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TE-04) CCW PUMP 3C UV RLY	OEE-317-43 Rev 4	WESTINGHOUSE CV-2 (1875508) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TE-04) CCW PUMP 3C OC RLY (X PHASE)	OEE-317-43 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TE-04) CCW PUMP 3C OC RLY (Z PHASE)	OEE-317-43 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TE-04) CCW PUMP 3C GROUND OC RLY	OEE-317-43 Rev 4	ITE GR-5 (202D6141) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CCWPU0004			
CCW PUMP 3D			
3TC-05 4KV SWGR 3TC BKR 05 (CCWP 3D)	OEE-317-16 Rev 4	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CCWPU0001 CCW PUMP 3A			
3TC-04 4KV SWGR 3TC BKR 04 (CCWP 3A)	OEE-317-15 Rev 4	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TC-04) CCW PUMP 3A UV RLY	OEE-317-15 Rev 4	WESTINGHOUSE CV-2 (1875508) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TC-04) CCW PUMP 3A OC RLY (X PHASE)	OEE-317-15 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-04) CCW PUMP 3A OC RLY (Z PHASE)	OEE-317-15 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-04) CCW PUMP 3A GROUND OC RLY	OEE-317-15 Rev 4	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CCWPU0002 CCW PUMP 3B			
3TD-04 4KV SWGR 3TD BKR 04 (CCWP 3B)	OEE-317-29 Rev 4	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27(3TD-04) CCW PUMP 3B UV RLY	OEE-317-29 Rev 4	WESTINGHOUSE CV-2 (1875508) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51X(3TD-04) CCW PUMP 3B OC RLY (X PHASE)	OEE-317-29 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
POL/BM/U3 CCW WATER LEVEL LATCHING RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-336-15 Rev 0	CUTLER-HAMMER D23MR222A 3MTC1	GERS-RLY-AI2.4 AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 86 of 247

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
CRIP/BH/U3 CCW INLET PIPE B HIGH POINT LEVEL SENSOR	OEE-336-14 Rev 2	B/W CONTROLS 2LH 3TB-2111	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
CRIP/BM/U3 CCW INLET PIPE B MID POINT LEVEL SENSOR	OEE-336-14 Rev 2	B/W CONTROLS 2LH 3TB-2112	CA YD 796
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
CRIPX/BH/U3 CCW PIPE B HIGH POINT CONT RLY	OEE-336-14 Rev 2	CUTLER-HAMMER D23MR40 3MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
CRIPX/BM/U3 CCW PIPE B MID POINT CONT RLY	OEE-336-14 Rev 2	CUTLER-HAMMER D23MR40 3MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3POX3 ONLY 1 CCW PUMP OPER IN STATION AUX RLY	OEE-336-16-A Rev 1	CUTLER-HAMMER D23MR80A 3MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3POX4 CCW TIME DELAY RLY	OEE-336-16 Rev 3	AGASTAT 2412 AD 3MTC1	GERS-RLY-PNT.7 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3POX5 CCW SYS CONTROL RLY	OEE-336-16-A Rev 1	CUTLER-HAMMER D26MR40A 3MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
POL/AH/U3 CCW WATER LEVEL LATCHING RLY	OEE-336-15 Rev 0	CUTLER-HAMMER D23MR222A 3MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
POL/AM/U3 CCW WATER LEVEL LATCHING RLY	OEE-336-15 Rev 0	CUTLER-HAMMER D23MR222A 3MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
POL/BH/U3 CCW WATER LEVEL LATCHING RLY	OEE-336-15 Rev 0	CUTLER-HAMMER D23MR222A 3MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 85 of 247

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CCWPX/3B CCW PUMP 3B AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-336-01 Rev 2	CUTLER-HAMMER D26MRD704A1 3MTC1	GERS-RLY-AI2.4 AB 809
CCWPX/3C CCW PUMP 3C AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-336-01 Rev 2	CUTLER-HAMMER D26MRD704A1 3MTC1	GERS-RLY-AI2.4 AB 809
CCWPX/3D CCW PUMP 3D AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-336-01 Rev 2	CUTLER-HAMMER D26MRD704A1 3MTC1	GERS-RLY-AI2.4 AB 809
S-334/3ET CCW EM TRIP RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-336-01 Rev 2	GENERAL-ELECTRIC HEA61C246 3AB3A	GERS-RLY-ALO.2 AB 822
3DIA-19/MCB 125V PPB 3DIA BKR 19 (CCW AND VAC PRIMING) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-336-01 Rev 2	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
CRIP/AH/U3 CCW INLET PIPE A HIGH POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-336-13 Rev 1	B/W CONTROLS 2LH 3TB-2111	CA YD 796
CRIP/AM/U3 CCW INLET PIPE A MID POINT LEVEL SENSOR <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-336-13 Rev 1	B/W CONTROLS 2LH 3TB-2112	CA YD 796
CRIPX/AH/U3 CCW PIPE A HIGH POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-336-13 Rev 1	CUTLER-HAMMER D26MRD40 3MTC1	CA AB 809
CRIPX/AM/U3 CCW PIPE A MID POINT CONT RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-336-13 Rev 1	CUTLER-HAMMER D26MRD40 3MTC1	CA AB 809
3KVID-03/MCB 120V PPB 3KVID BKR 03 (CCW WATER LVL CONTROLS) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-336-13 Rev 1	ITE QP1 (20 A) 3KVID	NV AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condenser Circulating Water

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3ETPR1 CCW CONTROL RLY	OEE-336-01 Rev 2	CUTLER-HAMMER D23MR22A 3MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Momentarily Block Tripping Of CCW Pumps By ETX Relay .</i>			
3ETX EM TRIP AUX RLY	OEE-336-01 Rev 2	STRUTHERS-DUNN 219BBXP 3MTC1	GERS-RLY-ARS.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3ETX1 EM TRIP AUX RLY	OEE-336-01 Rev 2	STRUTHERS-DUNN 219BBXP 3MTC1	GERS-RLY-ARS.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3POX CCW SYS CONTROL RLY	OEE-336-03 Rev 5	CUTLER-HAMMER D23MRD70A1 3MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
3POX1 ALL CCWP OFF AUX RLY	OEE-336-03 Rev 5	CUTLER-HAMMER D23MRD70A1 3MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3POX1T CCW SYS CONTROL RLY	OEE-336-03 Rev 5	CUTLER-HAMMER D26MRD704A1 3MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
3POX2 CCW SYS CONTROL RLY	OEE-336-03 Rev 5	AGASTAT 7012 PE 3MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>			
3UPOX CCW SYSTEM CONT RLY	OEE-336-03 Rev 5	CUTLER-HAMMER D40RR34A1 3MTC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves.</i>			
3UPOX1 CCW SYSTEM CONT RLY	OEE-336-03 Rev 5	STRUTHERS-DUNN 219ABAP 3MTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
CCWPX/3A CCW PUMP 3A AUX RLY	OEE-336-01 Rev 2	CUTLER-HAMMER D26MRD704A1 3MTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 83 of 247

SYSTEM: U3 Condensate DC Interlocks

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DIA-20/MCB 125V PPB 3DIA BKR 20 (COND DC INTLKS)	OEE-345-00-A Rev 8	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3FDWPS0251 FDW PUMP 3A DISCH PRESS LOW	OEE-345-00-B Rev 9	STATIC-O-RING 9NN-K45-N4-F1A 3MC-33	CNA TB 775
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>			
3FDWPS0253 FDW PUMP 3B DISCH PRESS LOW	OEE-345-00-B Rev 9	STATIC-O-RING 9NN-K45-N4-F1A 3MC-32	CNA TB 775
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>			
3R11 FWP 3B SUCTION VALVE CLOSED RLY	OEE-345-00-B Rev 9	CUTLER-HAMMER D23MRD70A1 3MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3R12 FWP 3B SUCTION VALVE CLOSED RLY	OEE-345-00-B Rev 9	CUTLER-HAMMER D23MRD70A1 3MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3R13 FWP DISCHARGE HEADER LOW PRESSURE RLY	OEE-345-00-B Rev 9	CUTLER-HAMMER D23MRD70A1 3MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3R14 FWP DISCHARGE HEADER LOW PRESSURE RLY	OEE-345-00-B Rev 9	CUTLER-HAMMER D23MRD07A1 3MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3R251 FWP 3A DISCHARGE HEADER LOW PRESSURE RLY	OEE-345-00-B Rev 9	CUTLER-HAMMER D26MRD40A1 3MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3R253 FWP 3B DISCHARGE HEADER LOW PRESSURE RLY	OEE-345-00-B Rev 9	CUTLER-HAMMER D26MRD40A1 3MTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27/3DIA20A PWR MONITORING RLY (Condensate Support)	OEE-345-00-C Rev 0	CUTLER-HAMMER D23MRD70A1 3MTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 82 of 247

SYSTEM: U3 Condensate DC Interlocks

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CPS0227 CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>	OEE-345-00-A Rev 8	UNIT ELECTRIC J6-358 3FDWPS0227	CA TB 775
3TOPS0176B FWPT 3A BEARING OIL PRESS LOW <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>	OEE-345-00-A Rev 8	SQUARE D AMG4-9013-D 3A TBOX EH	CNA TB 775
3TOPS0192B FWPT 3B BEARING OIL PRESS LOW <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Tripping Of The HWP's (30 Sec Devices).</i>	OEE-345-00-A Rev 8	SQUARE D ALG3-9013-DR 3B TBOX EH	CNA TB 775
3R01 FWPT 3A BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-00-A Rev 8	CUTLER-HAMMER D23MRD70A1 3MTC2	GERS-RLY-AI2.4 AB 809
3R02 FWPT 3A BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-00-A Rev 8	CUTLER-HAMMER D23MRD07A1 3MTC2	GERS-RLY-AI2.4 AB 809
3R03 FWPT 3B BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-00-A Rev 8	CUTLER-HAMMER D23MRD70A1 3MTC2	GERS-RLY-AI2.4 AB 809
3R04 FWPT 3B BRG OIL NORMAL PRESSURE RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-00-A Rev 8	CUTLER-HAMMER D23MRD07A1 3MTC2	GERS-RLY-AI2.4 AB 809
3R07 CBP SUCTION HEADER LOW PRESSURE RLY <i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>	OEE-345-00-A Rev 8	CUTLER-HAMMER D23MRD70A1 3MTC2	CA AB 809
3R09 FWP 3A SUCTION VALVE CLOSED RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-00-A Rev 8	CUTLER-HAMMER D23MRD70A1 3MTC2	GERS-RLY-AI2.4 AB 809
3R10 FWP 3A SUCTION VALVE CLOSED RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-00-A Rev 8	CUTLER-HAMMER D23MRD07A1 3MTC2	GERS-RLY-AI2.4 AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR-222 POL DEMIN ISOL VALVE C-258 AUX RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
CR-244 POL DEMIN ISOL VALVE C-258 AUX RELAY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
LR-209 POL DEMIN ISOL AUX RELAY <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
LR-210 POL DEMIN ISOL VALVE C-258 AUX RELAY <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
3CVA0391			
HOTWELL SUPPLY ISO TO TDEFW			
3XC-R05D/(3C-391)/MS 208V MCC 3XC-R05D STARTER (3C-391) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-345-36 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XC	EVAL (MCC QUAL) TB 775
3XC-R05D/(3C-391)/MCB 208V MCC 3XC BKR R05D (3C-391) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-36 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XC	NV TB 775

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Condensate**

SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
CR-243 POL DEMIN ISOL VALVE C-247 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CVA0251			
POL DEMIN ISOL VALVE (DRAIN U/D VALVE)			
CR-220 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-242 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-207 POL DEMIN ISOL AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-208 POL DEMIN ISOL VALVE C-251 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3CVA0254			
POL DEMIN ISOL VALVE (BACKWASH INLET W/E VALVE)			
CR-223 POL DEMIN ISOL VALVE C-254 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-245 POL DEMIN ISOL VALVE C-254 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CVA0258			
POL DEMIN ISOL VALVE (DRAIN U/E VALVE)			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
LR-204 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3CVA0240 POL DEMIN ISOL VALVE (BACKWASH INLET W/C VALVE)			
CR-241 POL DEMIN ISOL VALVE C-240 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CVA0244 POL DEMIN ISOL VALVE (DRAIN U/C VALVE)			
CR-218 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-240 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-205 POL DEMIN ISOL AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-206 POL DEMIN ISOL VALVE C-244 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3CVA0247 POL DEMIN ISOL VALVE (BACKWASH INLET W/D VALVE)			
CR-221 POL DEMIN ISOL VALVE C-247 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 78 of 247

SYSTEM: U3 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR-236 POL DEMIN ISOL VALVE C-232 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-201 POL DEMIN ISOL AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
LR-202 POL DEMIN ISOL VALVE C-232 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3CVA0233			
POL DEMIN ISOL VALVE (BACKWASH INLET W/B VALVE)			
CR-217 POL DEMIN ISOL VALVE C-233 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
CR-239 POL DEMIN ISOL VALVE C-233 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CVA0237			
POL DEMIN ISOL VALVE (DRAIN U/B VALVE)			
CR-216 POL DEMIN ISOL VALVE C-237 AUX RELAY.	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
<i>GERS - Seismically Adequate Per GERS.</i>			
CR-238 POL DEMIN ISOL VALVE C-237 AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LR-203 POL DEMIN ISOL AUX RELAY	OM 2225A-11 Rev DPB	STRUTHERS DUNN 255XCXP 3 POWDEX PANEL	EVAL (OSC-6642) TB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 77 of 247

SYSTEM: U3 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
FIA/U3 UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-74 Rev 1	CUTLER-HAMMER D26MR22A 3AT4	GERS-RLY-AI2.4 AB 809
FPA/U3 UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192) <i>GERS - Seismically Adequate Per GERS.</i>	OEE-345-74 Rev 1	CUTLER-HAMMER D26MR22A 3AT4	GERS-RLY-AI2.4 AB 809
3KA-30/MCB(Condensate) 120V PPB 3KA BKR 30 (UST MAKEUP C-176,C-187, & C-192) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-75 Rev 1	GENERAL-ELECTRIC TQL (20A) 3KA	NV TB 775
3SKK-24/MCB(Condensate) 120V PPB 3SKK BKR 24 (UST MAKEUP C-176,C-187, & C-192) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-74 Rev 1	SQUARE-D QOB (20 A) 3SKK	NV AB 809
3CVA0225 POL DEMIN ISOL VALVE (BACKWASH INLET W/A VALVE)			
CR-215 POL DEMIN ISOL VALVE C-225 AUX RELAY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
CR-228 POL DEMIN ISOL AUX RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	GERS-RLY-ARS.4 TB 771
CR-237 POL DEMIN ISOL VALVE C-225 AUX RELAY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	CA TB 771
3CVA0232 POL DEMIN ISOL VALVE (DRAIN U/A VALVE)			
CR-214 POL DEMIN ISOL VALVE C-232 AUX RELAY <i>GERS - Seismically Adequate Per GERS.</i>	OM 2225A-11 Rev DPB	STRUTHERS DUNN 219BBXP 3 POWDEX PANEL	GERS-RLY-ARS.4 TB 771

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Condensate

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3XGA-F07C/(3C-156)/MCB 208V MCC 3XGA BKR R02A (3C-156)	OEE-345-34 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XGA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3CVA0158

UST RISER ISOLATION

3XGA-F07D/(3C-158)/MS 208V MCC 3XGA-F07D STARTER (3C-158)	OEE-345-35 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XGA-F07D/(3C-158)/MCB 208V MCC 3XGA BKR F07D (3C-158)	OEE-345-35 Rev 1	GENERAL-ELECTRIC TEC (42/198 A) 3XGA	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3CVA0160

UST SUPPLY ISO TO TDEFW

3XC-R05C/(3C-160)/MS 208V MCC 3XC-R05C STARTER (3C-160)	OEE-345-37 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XC	EVAL (MCC QUAL) TB 775
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XC-R05C/(3C-160)/MCB 208V MCC 3XC BKR R05C (3C-160)	OEE-345-37 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XC	NV TB 775
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3CVA0176

UST TO COND ISOL VALVE

3CPS0015 UST MAKEUP LEVEL CONTROL (PS-15)	OEE-345-74 Rev 1	ITT BARTON 581A-2 3CPS0015	CNA TB 838
--	------------------	----------------------------------	------------------

CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves C-176,C-187, And C-192.

3CPS0036 UST MAKEUP LEVEL CONTROL (PS-36)	OEE-345-74 Rev 1	ITT BARTON 581A-2 3CPS0036	CNA TB 838
--	------------------	----------------------------------	------------------

CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Valves C-176,C-187, And C-192.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Condensate**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3CVA0152

UST RISER ISOLATION

CX1/U3 UST BOTTOM TIE VALVE CONT RLY	OEE-345-54 Rev 10	CUTLER-HAMMER D23MR80A 3MTC3	GERS-RLY-AI2.4 AB 809
---	-------------------	------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

3XGA-R02B/(3C-152)/MS 208V MCC 3XGA-R02B STARTER (3C-152)	OEE-345-33 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3KE-16/MCB 120V PPB 3KE BKR 16 (COND MISC CONTROLS)	OEE-345-54 Rev 10	GENERAL-ELECTRIC TQL (20 A) 3KE	NV AB 796
--	-------------------	---------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3XGA-R02B/(3C-152)/MCB 208V MCC 3XGA BKR R02B (3C-152)	OEE-345-33 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XGA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3CVA0153

UST RISER ISOLATION

3XGA-R02A/(3C-153)/MS 208V MCC 3XGA-R02A STARTER (3C-153)	OEE-345-33 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XGA-R02A/(3C-153)/MCB 208V MCC 3XGA BKR R02A (3C-153)	OEE-345-33 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XGA	NV TB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3CVA0156

UST RISER ISOLATION

3XGA-F07C/(3C-156)/MS 208V MCC 3XGA-F07C STARTER (3C-156)	OEE-345-34 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XGA	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Lighting

SUB SYSTEM: DC Lights

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3L21-36/MCB 250V DC PPB 3L21 BKR 36 (EMER LIGHTING)	O-2846-A Rev 18	GENERAL-ELECTRIC TQL (20 A) 3L21	NV AB 822
--	-----------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3L22-36/MCB 250V DC PPB 3L22 BKR 36 (EMER LIGHTING)	O-2846-A Rev 18	GENERAL-ELECTRIC TQL (20 A) 3L22	NV AB 822
--	-----------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 117 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27NA/U3 PHASE A NORM BUS UV RLY	OEE-317-01-B Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>			
27NXA/U3 PHASE A NORM BUS UV AUX RLY	OEE-317-01-B Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA1/U3 PHASE A NORM BUS UV AUX RLY	OEE-317-01-B Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA2/U3 PHASE A NORM BUS UV AUX RLY	OEE-317-01-B Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYA3/U3 PHASE A NORM BUS UV AUX RLY	OEE-317-01-B Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3RTNA PHASE A NORM BUS EPSL TEST RLY	OEE-317-01-B Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3DIA-13/MCB 125V PPB 3DIA BKR 13 (NORM VOLT CKT PH A)	OEE-317-01-B Rev 1	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27NB/U3 PHASE B NORM BUS UV RLY	OEE-317-01-C Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>			
27NXB/U3 PHASE B NORM BUS UV AUX RLY	OEE-317-01-C Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27NYB1/U3 PHASE B NORM BUS UV AUX RLY	OEE-317-01-C Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 118 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27NYB2/U3 PHASE B NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-C Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
27NYB3/U3 PHASE B NORM BUS UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-317-01-C Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	CA AB 809
3RTNB PHASE B NORM BUS EPSL TEST RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-317-01-C Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	CA AB 809
3DIB-11/MCB 125V PPB 3DIB BKR 11 (NORM VOLT CKT PH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-01-C Rev 1	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
27NC/U3 PHASE C NORM BUS UV RLY <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block The Closing Of The Emergency Startup Breakers.</i>	OEE-317-01-D Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CNA AB 809
27NXC/U3 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-D Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	GERS-RLY-ARH.5 AB 809
27NYC1/U3 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
27NYC2/U3 PHASE C NORM BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
27NYC3/U3 PHASE C NORM BUS UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-317-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	CA AB 809
3RTNC PHASE C NORM BUS EPSL TEST RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-317-01-D Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	CA AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DIC-07/MCB 125V PPB 3DIC BKR 07 (NORM VOLT CKT PH C)	OEE-317-01-D Rev 1	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27EA/U3 PHASE A STUP BUS UV RLY	OEE-317-01-E Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			
27EXA/U3 PHASE A STUP BUS UV AUX RLY	OEE-317-01-E Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA1/U3 PHASE A STUP BUS UV AUX RLY	OEE-317-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA1X/U3 PHASE A STUP BUS UV AUX RLY	OEE-317-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA2/U3 PHASE A STUP BUS UV AUX RLY	OEE-317-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA2X/U3 PHASE A STUP BUS UV AUX RLY	OEE-317-01-E Rev 1	CUTLER-HAMMER D23MRD70A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYA3/U3 PHASE A STUP BUS UV AUX RLY	OEE-317-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RTEA PHASE A STUP BUS EPSL TEST RLY	OEE-317-01-E Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3DIA-14/MCB 125V PPB 3DIA BKR 14 (STUP VOLT CKT PH A)	OEE-317-01-E Rev 1	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27EB/U3 PHASE B STUP BUS UV RLY	OEE-317-01-F Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			
27EXB/U3 PHASE B STUP BUS UV AUX RLY	OEE-317-01-F Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	GERS-RLY-ARH.5 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB1/U3 PHASE B STUP BUS UV AUX RLY	OEE-317-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB1X/U3 PHASE B STUP BUS UV AUX RLY	OEE-317-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB2/U3 PHASE B STUP BUS UV AUX RLY	OEE-317-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB2X/U3 PHASE B STUP BUS UV AUX RLY	OEE-317-01-F Rev 1	CUTLER-HAMMER D23MRD70A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27EYB3/U3 PHASE B STUP BUS UV AUX RLY	OEE-317-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RTEB PHASE B STUP BUS EPSL TEST RLY	OEE-317-01-F Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3DIB-12/MCB 125V PPB 3DIB BKR 12 (STUP VOLT CKT PH B)	OEE-317-01-F Rev 1	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27EC/U3 PHASE C STUP BUS UV RLY	OEE-317-01-G Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Trip And/Or Block Closing Of The Emergency Startup Breakers.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 121 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27EXC/U3 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-G Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	GERS-RLY-ARH.5 AB 809
27EYC1/U3 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC1X/U3 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC2/U3 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC2X/U3 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-G Rev 1	CUTLER-HAMMER D23MRD70A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
27EYC3/U3 PHASE C STUP BUS UV AUX RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
3RTEC PHASE C STUP BUS EPSL TEST RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-G Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
3DIC-08/MCB 125V PPB 3DIC BKR 08 (STUP VOLT CKT PH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-01-G Rev 1	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
27B13 U3 MFB 1 UV RLY <i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-317-01-H Rev 6	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CA AB 809
27B13X U3 MFB 1 UV AUX RLY <i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD70A1 3EPSLP1	CA AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 122 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3ESG1 ESFAS INTERFACE RLY CH 1	OEE-317-01-H Rev 6	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3ESG1X ESFAS INTERFACE AUX RLY CH 1	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD30A1/D26MD10 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3ESG1X1 ESFAS INTERFACE AUX RLY CH 1	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD70A1 3TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Has No Effect Because The Circuit Is Designed To Begin Operation After SSE.</i>			
3RLS1 CH A LOAD SHED TIMING RLY	OEE-317-01-H Rev 6	WESTINGHOUSE TD-5 (293B301A25) 3EPSLP1	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3RLS1X CH A LOAD SHED TIMING AUX RLY	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RLS1X1 CH A LOAD SHED TIMING AUX RLY	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD43A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RTX1 EPSL LOADSHED TEST RLY CH A	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD30A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3RTX2 EPSL LOADSHED TEST RLY CH B	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD30A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3SBC1A STBY BKR CLOSE TIMING RLY	OEE-317-01-H Rev 6	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3SBC1AX STBY BKR CLOSING AUX RLY	OEE-317-01-H Rev 6	CUTLER-HAMMER D26MRD70A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 123 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3SBC1B STBY BKR CLOSE TIMING RLY	OEE-317-01-H Rev 6	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3SBC1BX STBY BKR CLOSING AUX RLY	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD70A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
86AXSB1/3 STBY BKR LOCKOUT AUX RLY	OEE-317-01-H Rev 6	CUTLER-HAMMER D23MRD70A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3DIA-15/MCB 125V PPB 3DIA BKR 15 (LOAD SHED CH A)	OEE-317-01-H Rev 6	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3K1TDA STUP ANTI-RECYCLE TIMING INITIATE RLY	OEE-317-01-H-01 Rev 2	AGASTAT 7024 PE 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RK1A STUP BUS ANTI-RECYCLE CH A INITIATE AUX RLY	OEE-317-01-H-01 Rev 2	CUTLER-HAMMER D26MRD70A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3RK2A STUP BUS ANTI-RECYCLE CH A INITIATE AUX RLY	OEE-317-01-H-01 Rev 2	CUTLER-HAMMER D26MDR70A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3SBC3A STBY BKR CLOSE TIMING RLY	OEE-317-01-H-01 Rev 2	CUTLER-HAMMER D26MRD30A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3STARA STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	OEE-317-01-H-01 Rev 2	CUTLER-HAMMER D26MDR70A1/D87XDL30 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B23 U3 MFB 2 UV RLY	OEE-317-01-I Rev 7	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 124 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27B23X U3 MFB 2 UV AUX RLY	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD70A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3ESG2 ESFAS INTERFACE RLY CH 2	OEE-317-01-I Rev 7	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3ESG2X ESFAS INTERFACE AUX RLY CH 2	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD30A1/D26MF 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3RLS2 CH B LOAD SHED TIMING RLY	OEE-317-01-I Rev 7	WESTINGHOUSE TD-5 (293B301A25) 3EPSLP1	EVAL (DPC 1393.00-00-0001) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3RLS2X CH B LOAD SHED TIMING AUX RLY	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD704A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RLS2X1 CH B LOAD SHED TIMING AUX RLY	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD43A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RTY1 EPSL LOADSHED TEST RLY CH A	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD30A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3RTY2 EPSL LOADSHED TEST RLY CH B	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD30A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3SBC2A STBY BKR CLOSE TIMING RLY	OEE-317-01-I Rev 7	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3SBC2AX STBY BKR CLOSING AUX RLY	OEE-317-01-I Rev 7	CUTLER-HAMMER D26MRD70A1 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3SBC2B STBY BKR CLOSE TIMING RLY	OEE-317-01-I Rev 7	WESTINGHOUSE TD-5 (293B301A26) 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3SBC2BX STBY BKR CLOSING AUX RLY	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD70A1/D26MF 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
86AXSB2/3 STBY BKR LOCKOUT AUX RLY	OEE-317-01-I Rev 7	CUTLER-HAMMER D23MRD70A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked/Bypassed By Rugged Device(s).</i>			
3DIB-13/MCB 125V PPB 3DIB BKR 13 (LOAD SHED CH B)	OEE-317-01-I Rev 7	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3K1TDBTDDO STUP ANTI-RECYCLE TIMING INITIATE RLY	OEE-317-01-I-01 Rev 2	AGASTAT 7024 PE 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RK1B STUP BUS ANTI-RECYCLE CH B INITIATE AUX RLY	OEE-317-01-I-01 Rev 2	CUTLER-HAMMER D26MRD70A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3RK2B STUP BUS ANTI-RECYCLE CH B INITIATE AUX RLY	OEE-317-01-I-01 Rev 2	CUTLER-HAMMER D26MRD70A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause Transfer To The Underground Emergency Power Path.</i>			
3SBC3B STBY BKR CLOSE TIMING RLY	OEE-317-01-I-01 Rev 2	CUTLER-HAMMER D26MRD30A1 3EPSLP1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3STARB STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	OEE-317-01-I-01 Rev 2	CUTLER-HAMMER D26MRD70A1/D87XDL30 3EPSLP1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27S31A PHASE A STDY BUS UV RLY	OEE-317-01-J Rev 0	WESTINGHOUSE CV-7 (1875524) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 126 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27SX31A PHASE A STDY BUS UV AUX RLY	OEE-317-01-J Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY31A1 PHASE A STDY BUS UV AUX RLY	OEE-317-01-J Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY31A2 PHASE A STDY BUS UV AUX RLY	OEE-317-01-J Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RTS31A PHASE A STDY BUS EPSL TEST RLY	OEE-317-01-J Rev 0	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3DIA-27/MCB 125V PPB 3DIA BKR 27 (STBY VOLT CKT PH A)	OEE-317-01-J Rev 0	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S31B PHASE B STDY BUS UV RLY	OEE-317-01-K Rev 0	WESTINGHOUSE CV-7 (1875524) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX31B PHASE B STDY BUS UV AUX RLY	OEE-317-01-K Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY31B1 PHASE B STDY BUS UV AUX RLY	OEE-317-01-K Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY31B2 PHASE B STDY BUS UV AUX RLY	OEE-317-01-K Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RTS31B PHASE B STDY BUS EPSL TEST RLY	OEE-317-01-K Rev 0	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 127 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DIB-09/MCB 125V PPB 3DIB BKR 09 (STBY VOLT CKT PH B)	OEE-317-01-K Rev 0	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S31C PHASE C STDY BUS UV RLY	OEE-317-01-L Rev 0	WESTINGHOUSE CV-7 (1875524) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX31C PHASE C STDY BUS UV AUX RLY	OEE-317-01-L Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY31C1 PHASE C STDY BUS UV AUX RLY	OEE-317-01-L Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY31C2 PHASE C STDY BUS UV AUX RLY	OEE-317-01-L Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RTS31C PHASE C STDY BUS EPSL TEST RLY	OEE-317-01-L Rev 0	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3DIC-11/MCB 125V PPB 3DIC BKR 11 (STBY VOLT CKT PH C)	OEE-317-01-L Rev 0	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S32A PHASE A STDY BUS UV RLY	OEE-317-01-M Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX32A PHASE A STDY BUS UV AUX RLY	OEE-317-01-M Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY32A1 PHASE A STDY BUS UV AUX RLY	OEE-317-01-M Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27SY32A2 PHASE A STDY BUS UV AUX RLY	OEE-317-01-M Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RTS32A PHASE A STDY BUS EPSL TEST RLY	OEE-317-01-M Rev 1	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3DIB-21/MCB 125V PPB 3DIB BKR 21 (STBY VOLT CKT PH A)	OEE-317-01-M Rev 1	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S32B PHASE B STDY BUS UV RLY	OEE-317-01-N Rev 1	WESTINGHOUSE CV-7 (1875524) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27SX32B PHASE B STDY BUS UV AUX RLY	OEE-317-01-N Rev 1	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY32B1 PHASE B STDY BUS UV AUX RLY	OEE-317-01-N Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY32B2 PHASE B STDY BUS UV AUX RLY	OEE-317-01-N Rev 1	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RTS32B PHASE B STDY BUS EPSL TEST RLY	OEE-317-01-N Rev 1	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3DIC-14/MCB 125V PPB 3DIC BKR 14 (STBY VOLT CKT PH B)	OEE-317-01-N Rev 1	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27S32C PHASE C STDY BUS UV RLY	OEE-317-01-P Rev 0	WESTINGHOUSE CV-7 (1875524) 3EPSLP2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 129 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27SX32C PHASE C STDY BUS UV AUX RLY	OEE-317-01-P Rev 0	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY32C1 PHASE C STDY BUS UV AUX RLY	OEE-317-01-P Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
27SY32C2 PHASE C STDY BUS UV AUX RLY	OEE-317-01-P Rev 0	CUTLER-HAMMER D23MRD704A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RTS32C PHASE C STDY BUS EPSL TEST RLY	OEE-317-01-P Rev 0	CUTLER-HAMMER D23MRD70A1 3EPSLP2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3DIA-28/MCB 125V PPB 3DIA BKR 28 (STBY VOLT CKT PH C)	OEE-317-01-P Rev 0	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
27B13A U3 MFB 1 UV RLY PHASE A	OEE-317-01-R Rev 1	CUTLER-HAMMER D23MR62A 3MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B13B U3 MFB 1 UV RLY PHASE B	OEE-317-01-R Rev 1	CUTLER-HAMMER D23MR62A 3MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B13C U3 MFB 1 UV RLY PHASE C	OEE-317-01-R Rev 1	CUTLER-HAMMER D23MR62A 3MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B23A U3 MFB 2 UV RLY PHASE A	OEE-317-01-R Rev 1	CUTLER-HAMMER D23MR62A 3MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
27B23B U3 MFB 2 UV RLY PHASE B	OEE-317-01-R Rev 1	CUTLER-HAMMER D23MR62A 3MFBMRP	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 130 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
27B23C U3 MFB 2 UV RLY PHASE C <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-R Rev 1	CUTLER-HAMMER D23MR62A 3MFBMRP	GERS-RLY-AI2.4 AB 809
RE-2/U3 INTERPOSING AUX RLY FOR TX13A & TX23A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-S Rev 4	CUTLER-HAMMER D23MRD30A1 3UB1	GERS-RLY-AI2.4 AB 822
T13A MAIN FDR BUS 1 UV TIMER CH A RLY <i>NV - Not Vulnerable to Contact Chatter.(Solid State Device)</i>	OEE-317-01-S Rev 4	CUTLER-HAMMER D87XDL30 3MFBMRP	NV AB 809
TX13A AUX RLY FOR T13A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-S Rev 4	CUTLER-HAMMER D23MRD074A1 3MFBMRP	GERS-RLY-AI2.4 AB 809
3DIA-05/MCB 125V PPB 3DIA BKR 05 (U3 MFB 1 UV LOGIC CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-01-S Rev 4	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
T13B MAIN FDR BUS 1 UV TIMER CH B RLY <i>NV - Not Vulnerable to Contact Chatter.(Solid State Device)</i>	OEE-317-01-S Rev 4	CUTLER-HAMMER D87XDL30 3MFBMRP	NV AB 809
TX13B AUX RLY FOR T13B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-S Rev 4	CUTLER-HAMMER D23MRD074A1 3MFBMRP	GERS-RLY-AI2.4 AB 809
3DIB-05/MCB 125V PPB 3DIB BKR 05 (U3 MFB 1 UV LOGIC CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-01-S Rev 4	ITE EH2 (20 A) 3DIB/PPB	NV AB 809
RE-1/U3 INTERPOSING AUX RLY FOR TX13B & TX23B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-T Rev 6	CUTLER-HAMMER D23MRD30A1 3UB2	GERS-RLY-AI2.4 AB 822
T23A MAIN FDR BUS 2 UV TIMER CH A RLY <i>NV - Not Vulnerable to Contact Chatter.(Solid State Device)</i>	OEE-317-01-T Rev 6	CUTLER-HAMMER D87XDL30 3MFBMRP	NV AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 131 of 247

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
TX23A AUX RLY FOR T23A <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-T Rev 6	CUTLER-HAMMER D23MRD074A1 3MFBMRP	GERS-RLY-AI2.4 AB 809
3DIC-09/MCB 125V PPB 3DIC BKR 09 (U3 MFB 2 UV LOGIC CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-01-T Rev 6	ITE EH2 (20 A) 3DIC/PPB	NV AB 809
T23B MAIN FDR BUS 2 UV TIMER CH B RLY <i>NV - Not Vulnerable to Contact Chatter.(Solid State Device)</i>	OEE-317-01-T Rev 6	CUTLER-HAMMER D87XDL30 3MFBMRP	NV AB 809
TX23B AUX RLY FOR T23B <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-01-T Rev 6	CUTLER-HAMMER D23MRD074A1 3MFBMRP	GERS-RLY-AI2.4 AB 809
3DID-09/(3EPSL-T)/MCB 125V PPB 3DID BKR 09 (U3 MFB 2 UV LOGIC CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-01-T Rev 6	ITE EH-2 (20 A) 3DID/PPB	NV AB 809
CLS1(3TC-02) U3 LOADSHED (C) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-13 Rev 4	CUTLER-HAMMER D23MRD70A1/D26MF 3TC	GERS-RLY-AI2.4 TB 796
CLS2(3TC-12) U3 LOADSHED (C) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-23 Rev 5	CUTLER-HAMMER D23MRD70A1/D26MF 3TC	GERS-RLY-AI2.4 TB 796
DLS1(3TD-02) U3 LOADSHED (D) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-27 Rev 5	CUTLER-HAMMER D23MRD70A1 3TD	GERS-RLY-AI2.4 TB 796
DLS2(3TD-13) U3 LOADSHED (D) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-38 Rev 5	CUTLER-HAMMER D23MRD70A1 3TD	GERS-RLY-AI2.4 TB 796
ELS1(3TE-02) U3 LOADSHED (E) RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-317-41 Rev 3	CUTLER-HAMMER D23MRD30A1 3TE	GERS-RLY-AI2.4 TB 796

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Emergency Power Switching Logic

SUB SYSTEM: EPSL

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ELS2(3TE-13) U3 LOADSHED (E) RLY	OEE-317-52 Rev 6	CUTLER-HAMMER D23MRD110A1 3TE	GERS-RLY-AI2.4 TB 796

GERS - Seismically Adequate Per GERS.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Engineered Safeguards

SUB SYSTEM: Analog Channel 1

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN1AR/U3(Typical) AUX RLY MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-04 Rev DD	BAILEY CONTROLS 6622510 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN1BA/U3(Typical) BUFFER AMPLIFIER MODULE (ES CH 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-04 Rev DD	BAILEY CONTROLS 6621670A 3ESFAS	NV AB 822
ANACHAN1BI/U3(Typical) BISTABLE MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-05 Rev DD	BAILEY CONTROLS 6621500 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN1LB/U3(Typical) LOGIC BUFFER MODULE (ES CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-05 Rev DD	BAILEY CONTROLS 6624726 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN1PWRSUPP/U3(Typical) MOTOROLA PWR SUPP (ES CH 1) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-04 Rev DD	MOTOROLA 6623903 3ESFAS	NV AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Engineered Safeguards

SUB SYSTEM: Analog Channel 2

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN2AR/U3(Typical) AUX RLY MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-10 Rev DD	BAILEY CONTROLS 6622510 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN2BA/U3(Typical) BUFFER AMPLIFIER MODULE (ES CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-10 Rev DD	BAILEY CONTROLS 6621670A1163 3ESFAS	NV AB 822
ANACHAN2BI/U3(Typical) BISTABLE MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-11 Rev DD	BAILEY CONTROLS 6621500E1 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN2LB/U3(Typical) LOGIC BUFFER MODULE (ES CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-11 Rev DD	BAILEY CONTROLS 6624726A1 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN2PWRSUPP/U3(Typical) MOTOROLA PWR SUPP (ES CH 2) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-10 Rev DD	MOTOROLA 6623903A1 3ESFAS	NV AB 822

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Engineered Safeguards

SUB SYSTEM: Analog Channel 3

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ANACHAN3AR/U3(Typical) AUX RLY MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-13 Rev DD	BAILEY CONTROLS 6622510 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN3BA/U3(Typical) BUFFER AMPLIFIER MODULE (ES CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-13 Rev DD	BAILEY CONTROLS 6621670 3ESFAS	NV AB 822
ANACHAN3BI/U3(Typical) BISTABLE MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-14 Rev DD	BAILEY CONTROLS 6621500E1 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN3LB/U3(Typical) LOGIC BUFFER MODULE (ES CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-14 Rev DD	BAILEY CONTROLS 6624726A1 3ESFAS	EVAL (OSC-6642) AB 822
ANACHAN3PWRSUPP/U3(Typical) MOTOROLA PWR SUPP (ES CH 3) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-13 Rev DD	MOTOROLA 6623903A1 3ESFAS	NV AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Engineered Safeguards

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3BSPS0018 RB PRESS SWITCH (ES CH 3A) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-2422-A-8 Rev 12	ASCO SA21AR/TD20A32R 3BSPS0018	EVAL (OSC-6642) AB 809
3BSPS0019 RB PRESS SWITCH (ES CH 3A) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-2422-A-8 Rev 12	ASCO SA21AR/TD20A32R 3BSPS0019	EVAL (OSC-6642) AB 809
3RCPT0021P RC PRESS XMTR (ES CH A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-04 Rev DD	ROSEMOUNT 1153GD9RB 3RCPT0021P	NV RB 825
CONTBUFF(ESCHAN1)/U3(Typical) CONTACT BUFFER MODULE (ES CHANNEL 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-04 Rev DD	BAILEY CONTROLS 6623999A1 3ESFAS	EVAL (OSC-6642) AB 822
PRTC(ESCHAN1)/U3 PRESS TEST CIRCUIT MODULE (ES CHANNEL 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-04 Rev DD	BAILEY CONTROLS 6623705A1 3ESFAS	EVAL (OSC-6642) AB 822
3BSPT0004P RB PRESS XMTR (ES CH 3A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-06 Rev DD	ITT-BARTON 764 3BSPT0004P	NV AB 809
3BSPS0020 RB PRESS SWITCH (ES CH 3B) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-2422-A-8 Rev 12	ASCO SA21AR/TD20A32R 3BSPS0020	EVAL (OSC-6642) AB 809
3BSPS0021 RB PRESS SWITCH (ES CH 3B) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-2422-A-8 Rev 12	ASCO SA21AR/TD20A32R 3BSPS0021	EVAL (OSC-6642) AB 809
3RCPT0022P RC PRESS XMTR (ES CH B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-13 Rev DD	ROSEMOUNT 1153GD9RB 3RCPT0022P	NV RB 825
CONTBUFF(ESCHAN2)/U3(Typical) CONTACT BUFFER MODULE (ES CHANNEL 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-10 Rev DD	BAILEY CONTROLS 6623999A1 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 137 of 247

SYSTEM: U3 Engineered Safeguards

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
PRTC(ESCHAN2)/U3 PRESS TEST CIRCUIT MODULE (ES CHANNEL 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-10 Rev DD	BAILEY CONTROLS 6623705A1 3ESFAS	EVAL (OSC-6642) AB 822
3BSPT0005P RB PRESS XMTR (ES CH 3B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-12 Rev DE	ITT-BARTON 764 3BSPT0005P	NV AB 809
3BSPS0022 RB PRESS SWITCH (ES CH 3C) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-2422-A-8 Rev 12	ASCO SA21AR/TD20A32R 3BSPS0022	EVAL (OSC-6642) AB 809
3BSPS0023 RB PRESS SWITCH (ES CH 3C) <i>EVAL - Seismically Adequate Per Test Report.</i>	O-2422-A-8 Rev 12	ASCO SA21AR/TD20A32R 3BSPS0023	EVAL (OSC-6642) AB 809
3RCPT0023P RC PRESS XMTR (ES CH C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-10 Rev DD	ROSEMOUNT 1153GD9RB 3RCPT0023P	NV RB 825
CONTBUFF(ESCHAN3)/U3(Typical) CONTACT BUFFER MODULE (ES CHANNEL 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-13 Rev DD	BAILEY CONTROLS 6623999A1 3ESFAS	EVAL (OSC-6642) AB 822
PRTC(ESCHAN3)/U3 PRESS TEST CIRCUIT MODULE (ES CHANNEL 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-13 Rev DD	BAILEY CONTROLS 6623705A1 3ESFAS	EVAL (OSC-6642) AB 822
3BSPT0006P RB PRESS XMTR (ES CH 3C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-J-15 Rev DD	ITT-BARTON 764 3BSPT0006P	NV AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 1**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH1AR/U3(Typical) AUX RLY MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-07 Rev DD	BAILEY CONTROLS 6622510C 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH1CB/U3(Typical) CONTACT BUFFER MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-07 Rev DD	BAILEY CONTROLS 6623999A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH1LT/U3(Typical) LOGIC TEST MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-07 Rev DD	BAILEY CONTROLS 6624040A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH1TL/U3(Typical) TRIP LOGIC MODULE (ES DIG CH 1) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-07 Rev DD	BAILEY CONTROLS 6624010A 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Engineered Safeguards

SUB SYSTEM: Digital Channel 2

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH2AR/U3(Typical) AUX RLY MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-16 Rev DE	BAILEY CONTROLS 6622510C 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH2CB/U3(Typical) CONTACT BUFFER MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-16 Rev DE	BAILEY CONTROLS 6623999A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH2LT/U3(Typical) LOGIC TEST MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-16 Rev DE	BAILEY CONTROLS 6624040A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH2TL/U3(Typical) TRIP LOGIC MODULE (ES DIG CH 2) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-16 Rev DE	BAILEY CONTROLS 6624010A 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 3**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH3AR/U3(Typical) AUX RLY MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-18 Rev DD	BAILEY CONTROLS 6622510C 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH3CB/U3(Typical) CONTACT BUFFER MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-18 Rev DD	BAILEY CONTROLS 6623999A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH3LT/U3(Typical) LOGIC TEST MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-18 Rev DD	BAILEY CONTROLS 6624040A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH3TL/U3(Typical) TRIP LOGIC MODULE (ES DIG CH 3) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-18 Rev DD	BAILEY CONTROLS 6624010A 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 4**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Model no Location	SAT* Building Floor Elev
DIGCH4AR/U3(Typical) AUX RLY MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-20 Rev DD	BAILEY CONTROLS 6622510C 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH4CB/U3(Typical) CONTACT BUFFER MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-20 Rev DD	BAILEY CONTROLS 6623999A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH4LT/U3(Typical) LOGIC TEST MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-20 Rev DD	BAILEY CONTROLS 6624040A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH4TL/U3(Typical) TRIP LOGIC MODULE (ES DIG CH 4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-20 Rev DD	BAILEY CONTROLS 6624010A 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 6**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH6AR/U3(Typical) AUX RLY MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-24 Rev DD	BAILEY CONTROLS 6622510C 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH6CB/U3(Typical) CONTACT BUFFER MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-24 Rev DD	BAILEY CONTROLS 6623999A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH6LT/U3(Typical) LOGIC TEST MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-24 Rev DD	BAILEY CONTROLS 6624040A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH6TL/U3(Typical) TRIP LOGIC MODULE (ES DIG CH 6) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-24 Rev DD	BAILEY CONTROLS 6624010A 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Engineered Safeguards**

SUB SYSTEM: **Digital Channel 7**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH7AR/U3(Typical) AUX RLY MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-26 Rev DD	BAILEY CONTROLS 6622510C 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH7CB/U3(Typical) CONTACT BUFFER MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-26 Rev DD	BAILEY CONTROLS 6623999A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH7LT/U3(Typical) LOGIC TEST MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-26 Rev DD	BAILEY CONTROLS 6624040A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH7TL/U3(Typical) TRIP LOGIC MODULE (ES DIG CH 7) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-26 Rev DD	BAILEY CONTROLS 6624010A 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Engineered Safeguards

SUB SYSTEM: Digital Channel 8

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
DIGCH8AR/U3(Typical) AUX RLY MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-28 Rev DD	BAILEY CONTROLS 6622510C 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH8CB/U3(Typical) CONTACT BUFFER MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-28 Rev DD	BAILEY CONTROLS 6623999A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH8LT/U3(Typical) LOGIC TEST MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-28 Rev DD	BAILEY CONTROLS 6624040A 3ESFAS	EVAL (OSC-6642) AB 822
DIGCH8TL/U3(Typical) TRIP LOGIC MODULE (ES DIG CH 8) <i>EVAL - Seismically Adequate Per Test Report.</i>	OM 2201-J-28 Rev DD	BAILEY CONTROLS 6624010A 3ESFAS	EVAL (OSC-6642) AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 146 of 247

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3HPIP0319 HPI LOOP B FLOW INDICATOR	OEE-351-33 Rev 1	DIXSON SH202AXTX4 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPIFT0160 B LOOP INJ FLOW TRANSMITTER	OEE-351-33 Rev 1	ROSEMOUNT 1154HH5RB 3HPIFT0160	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPISR0160 HPI CROSSOVER FLOW SQRT EXT B LOOP	OEE-351-33 Rev 1	ROCHESTER INSTRUMENTS SC-1330 3MTC4	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
HPIFLOWLOOPPSB/U3 UNIT 3 HPI FLOW PWR SUPP 'B' (3HPIFT0160)	OEE-351-33 Rev 1	LAMBDA LCS-24 3MTC4	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIC-13/MCB 120V PPB 3KVIC BKR 13 (HPI FLOW LOOP)	OEE-351-33 Rev 1	ITE QP1 (20 A) 3KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPIP0363 HPI LOOP 3A FLOW INDICATOR	OEE-351-49 Rev 0	DIXSON SA101AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPIFT0007A A LOOP INJ FLOW TRANSMITTER	OEE-351-49 Rev 0	ROSEMOUNT 1154HH5RB 3HPIFT0007A	NV AB 758
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3SKJ-17/MCB(3HPIP0363) 120V PPB 3SKJ BKR 17 (3HPIP0363)	OEE-355-24 Rev 1	SQUARE-D QOB (20 A) 3SKJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPIP0364 HPI LOOP 3B FLOW INDICATION	OEE-351-51 Rev 0	DIXSON SA101AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPIFT0008A HPI LOOP 3B FLOW XMTR	OEE-351-51 Rev 0	ROSEMOUNT 1154HH5RB 3HPIFT0008A	NV AB 758
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 High Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3SKK-17/MCB(3HPIP0364) 120V PPB 3SKK BKR 17 (3HPIP0364)	OEE-355-25 Rev 1	SQUARE-D QOB (20 A) 3SKK	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 High Pressure Injection**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3HPIPU0001 HPI PUMP 3A			
3TC-08 4KV SWGR 3TC BKR 08 (HPIP 3A)	OEE-317-19 Rev 4	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CR-46(3HPIPA)(HP-P1A)(3ES-1) HPIP 3A ESFAS INTERFACE RLY	OEE-317-19 Rev 4	CUTLER-HAMMER D23MRD30A1 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(3TC-08) HPI PUMP 3A OC RLY (X PHASE)	OEE-317-19 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-08) HPI PUMP 3A OC RLY (Z PHASE)	OEE-317-19 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-08) HPI PUMP 3A GROUND OC RLY	OEE-317-19 Rev 4	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
HP53XR/U3 LOW RC SEAL INLET FLOW AUX RLY (HPI PUMP's A & B)	OEE-350-11 Rev 4	CUTLER-HAMMER D23MRD70A1 3MTC3	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(3HPIPA)(HP-P1A)(3ES-1) RO RLY (HPIP 3A)	OEE-317-19 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
3DID-05/(3HPIPA&B)/MCB 120V PPB 3DID BKR 05 (HPIP 3A AND 3B STUP INTERLOCKS)	OEE-350-11 Rev 4	ITE EH-2 (20 A) 3DID/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPIPU0002 HPI PUMP 3B			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 High Pressure Injection**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TE-09 4KV SWGR 3TE BKR 09 (HPIP 3B)	OEE-317-48 Rev 5	ITE 5HK-350 (1200 A) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CR-75(3HPIPB)(HP-P1B)(3ES-1) HPIP 3B ESFAS INTERFACE RLY	OEE-317-48 Rev 5	CUTLER-HAMMER D23MRD30A1 3TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
3CR-76(3HPIPB)(HP-P1B)(3ES-2) HPIP 3B ESFAS INTERFACE RLY	OEE-317-48 Rev 5	CUTLER-HAMMER D23MRD30A1 3TE	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(3TE-09) HPI PUMP 3B OC RLY (X PHASE)	OEE-317-48 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TE-09) HPI PUMP 3B OC RLY (Z PHASE)	OEE-317-48 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TE	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TE-09) HPI PUMP 3B GROUND OC RLY	OEE-317-48 Rev 5	ITE GR-5 (202D6141) 3TE	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(3HPIPB)(HP-P1B)(3ES-1) RO RLY (HPIP 3B)	OEE-317-48 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
RO(3HPIPB)(HP-P1B)(3ES-2) RO RLY (HPIP 3B)	OEE-317-48 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
3HPIPU0003 HPI PUMP 3C			
3TD-09 4KV SWGR 3TD BKR 09 (HPIP 3C)	OEE-317-34 Rev 3	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 High Pressure Injection**

SUB SYSTEM: **Pumps**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CR-28(3HPIPC)(HP-P1C)(3ES-2) HPIP 3C ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-317-34 Rev 3	CUTLER-HAMMER D23MRD30A1 3TD	CA TB 796
50-51X(3TD-09) HPI PUMP 3C OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-34 Rev 3	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(3TD-09) HPI PUMP 3C OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-34 Rev 3	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(3TD-09) HPI PUMP 3C GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-34 Rev 3	ITE GR-5 (202D6141) 3TD	NV TB 796
RO(3HPIPC)(HP-P1C)(3ES-2) RO RLY (HPIP 3C) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-317-34 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3HPVA0003			
LETDOWN ISOLATION			
3CR-49(3HP-3)(HP-V2A)(3ES-1) 3HP-3 ESFAS INTERFACE RLY	OEE-351 Rev 2	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-43(3HP-3) 3HP-3 CONTROL RLY	OEE-351 Rev 2	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3HP-3)(HP-V2A)(3ES-1) RO RLY (3HP-3)	OEE-351 Rev 2	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XSF-F01C(208V)/(3HP-3)/MS 208V MCC 3XSF-F01C STARTER (3HP-3)	OEE-351 Rev 2	GTE-SYLVANIA BUL 6240 3XSF(208V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XSF-F01C(208V)/(3HP-3)/MCB 208V MCC 3XSF BKR F01C (3HP-3)	OEE-351 Rev 2	GENERAL-ELECTRIC THED (20 A) 3XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			

3HPVA0004

LETDOWN ISOLATION

3CR-50(3HP-4)(HP-V2B)(3ES-1) 3HP-4 ESFAS INTERFACE RLY	OEE-351-01 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-44(3HP-4) 3HP-4 CONTROL RLY	OEE-351-01 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3HP-4)(HP-V2B)(3ES-1) RO RLY (3HP-4)	OEE-351-01 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 152 of 247

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XSF-F01D(208V)/(3HP-4)/MS 208V MCC 3XSF-F01D STARTER (3HP-4) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-01 Rev 3	GTE-SYLVANIA BUL 6240 3XSF(208V)	EVAL (SSF QUAL) SSF 817
3XSF-F01D(208V)/(3HP-4)/MCB 208V MCC 3XSF BKR F01D (3HP-4) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-01 Rev 3	GENERAL-ELECTRIC THED (20 A) 3XSF(208V)	NV SSF 817
3HPVA0005 LETDOWN ISOLATION			
3HPIPS0357 LETDOWN FLOW TEMP HIGH INTERLOCK <i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-03 Rev 8	UNITED ELECT UE-J302-454 3HPIPS0357	CA AB 783
3CR-31(3HP-5)(HP-V3)(3ES-2) 3HP-5 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-03 Rev 8	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
3RX-30(3HP-5) 3HP-5 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-03 Rev 8	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
RO(3HP-5)(HP-V3)(3ES-2) RO RLY (3HP-5) <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-03 Rev 8	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
3DIB-25/(3HP-5)/MCB 125V PPB 3DIB BKR 25 (3HP-5) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-03 Rev 8	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
3HPVA0020 RCP SEAL RETURN ISOLATION			
3CR-51(3HP-20)(HP-V12)(3ES-1) 3HP-20 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-02 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 153 of 247

SYSTEM: **U3 High Pressure Injection**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RX-45(3HP-20) 3HP-20 CONTROL RLY	OEE-351-02 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3HP-20)(HP-V12)(3ES-1) RO RLY (3HP-20)	OEE-351-02 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XSF-F02C(208V)/(3HP-20)/MS 208V MCC 3XSF-F02C STARTER (3HP-20)	OEE-351-02 Rev 3	GTE-SYLVANIA BUL 6240 3XSF(208V)	EVAL (SSF QUAL) SSF 817
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XSF-F02C(208V)/(3HP-20)/MCB 208V MCC 3XSF BKR F02C (3HP-20)	OEE-351-02 Rev 3	GENERAL-ELECTRIC THED (40 A) 3XSF(208V)	NV SSF 817
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPVA0021 RCP SEAL RETURN CONTAIN ISOL			
3CR-32(3HP-21)(HP-V13)(3ES-2) 3HP-21 ESFAS INTERFACE RLY	OEE-351-08 Rev 6	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-32(3HP-21) 3HP-21 CONTROL RLY	OEE-351-08 Rev 6	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3HP-21)(HP-V13)(3ES-2) RO RLY (3HP-21)	OEE-351-08 Rev 6	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3DIB-25/(3HP-21)/MCB 125V PPB 3DIB BKR 25 (3HP-21)	OEE-351-08 Rev 6	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPVA0023 HPI LDST SUCTION ISOLATION			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XL-05E/(3HP-23)/MS 208V MCC 3XL-05E STARTER (3HP-23) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-12 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XL	EVAL (MCC QUAL) AB 771
3XL-05E/(3HP-23)/MCB 208V MCC 3XL BKR 5E (3HP-23) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-12 Rev 2	GENERAL-ELECTRIC TEC (18/90 A) 3XL	NV AB 771
3HPVA0024 BWST SUCTION ISOLATION			
3CR-48(3HP-24)(HP-V22A)(3ES-1) 3HP-24 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-04 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
3RX-41(3HP-24) 3HP-24 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-351-04 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	GERS-RLY-AI2.4 AB 809
3RX-42(3HP-24) 3HP-24 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-04 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
RO(3HP-24)(HP-V22A)(3ES-1) RO RLY (3HP-24) <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-351-04 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
3XS1-R01D/(3HP-24)/MS 208V MCC 3XS1-R01D STARTER (3HP-24) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-04 Rev 4	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
3XS1-R01D/(3HP-24)/MCB 208V MCC 3XS1 BKR R01D (3HP-24) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-04 Rev 4	GENERAL-ELECTRIC TED (20 A) 3XS1	NV AB 796

3HPVA0025

BWST SUCTION ISOLATION

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CR-30(3HP-25)(HP-V22B)(3ES-2) 3HP-25 ESFAS INTERFACE RLY	OEE-351-05 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-29(3HP-25) 3HP-25 CONTROL RLY	OEE-351-05 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RX-57(3HP-25) 3HP-25 CONTROL RLY	OEE-351-05 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3HP-25)(HP-V22B)(3ES-2) RO RLY (3HP-25)	OEE-351-05 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XS2-R01A(3HP-25)/MS 208V MCC 3XS2-R01A STARTER (3HP-25)	OEE-351-05 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-R01A(3HP-25)/MCB 208V MCC 3XS2 BKR R01A (3HP-25)	OEE-351-05 Rev 3	GENERAL-ELECTRIC TED (20 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPVA0026			
HPI LOOP 3A INJECTION			
3CR-47(3HP-26)(HP-V24A)(3ES-1) 3HP-26 ESFAS INTERFACE RLY	OEE-351-06 Rev 5	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-39(3HP-26) 3HP-26 CONTROL RLY	OEE-351-06 Rev 5	CUTLER-HAMMER D23MR40A 3ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RX-40(3HP-26) 3HP-26 CONTROL RLY	OEE-351-06 Rev 5	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(3HP-26)(HP-V24A)(3ES-1) RO RLY (3HP-26)	OEE-351-06 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XS1-R02A/(3HP-26)/MS 208V MCC 3XS1-R02A STARTER (3HP-26)	OEE-351-06 Rev 5	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS1-R02A/(3HP-26)/MCB 208V MCC 3XS1 BKR R02A (3HP-26)	OEE-351-06 Rev 5	GENERAL-ELECTRIC THED (30 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPVA0027			
HPI TRAIN 3B (EMERGENCY) INJECTION			
3CR-29(3HP-27)(HP-V24B)(3ES-2) 3HP-27 ESFAS INTERFACE RLY	OEE-351-07 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3RX-28(3HP-27) 3HP-27 CONTROL RLY	OEE-351-07 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RX-58(3HP-27) 3HP-27 CONTROL RLY	OEE-351-07 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO(3HP-27)(HP-V24B)(3ES-2) RO RLY (3HP-27)	OEE-351-07 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
3XS2-R01B/(3HP-27)/MS 208V MCC 3XS2-R01B STARTER (3HP-27)	OEE-351-07 Rev 4	CLARK BUL 6030 CY-1 (H1A) 3XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-R01B/(3HP-27)/MCB 208V MCC 3XS2 BKR R01B (3HP-27)	OEE-351-07 Rev 4	GENERAL-ELECTRIC THED (30 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 157 of 247

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3HPVA0031

RCP SEAL INJ FLOW CONTROL

3HPIFT0075 RCP SEAL INJ FLOW TRANSMITTER	OM 2201-H-100 Rev DJ	ROSEMOUNT 1151HP4J22M1B2 3HPIFT0075	NV AB 783
--	----------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPIFT0101 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 2201-H-100 Rev DJ	ROSEMOUNT 1151 HP4J 22M1B2 3HPIFT0101	NV AB 783
--	----------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPIFT0102 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 2201-H-100 Rev DJ	ROSEMOUNT 1151 HP4J 22M1B2 3HPIFT0102	NV AB 783
--	----------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPIFT0103 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 2201-H-100 Rev DJ	ROSEMOUNT 1151 HP4J 22M1B2 3HPIFT0103	NV AB 783
--	----------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPIFT0104 RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	OM 2201-H-100 Rev DJ	ROSEMOUNT 1151 HP4J 22M1B2 3HPIFT0104	NV AB 783
--	----------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPIP0152 RC PUMP SEAL INLET FLOW INDICATOR	OM 2201-H-100 Rev DJ	DIXSON SG101AXYX 3UB1	NV AB 822
---	----------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPIP0199 RC PUMP A1 & B1 SEAL FLOW INDICATOR (Powered by ICS)	OM 2201-H-100 Rev DJ	DIXSON SB202AXTX 3VB3	NV AB 822
--	----------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPIP0200 RC PUMP A2 & B2 SEAL FLOW INDICATOR (Powered by ICS)	OM 2201-H-100 Rev DJ	DIXSON SG202AXTX 3VB3	NV AB 822
--	----------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3HP53-FS RCP SEAL INLET FLOW SWITCH (ELECTRONIC MODULE)	OM 2201-H-100 Rev DJ	SAIC RP 2049-2 3ICS	CNA AB 822
---	----------------------	---------------------------	------------------

CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second Devices.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev.
3HP60-FICANALOGMEMORY RCP SEAL INLET FLOW ANALOG MEMORY	OM 2201-H-100 Rev DJ	BAILEY CONTROLS 6620770-1 3ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HP60-FICCONTROLLER RCP SEAL INLET FLOW CONTROLLER	OM 2201-H-100 Rev DJ	BAILEY CONTROLS 6620255-10 3ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HP60-FS LOW RC PUMP SEAL FLOW	OM 2201-H-100 Rev DJ	BAILEY CONTROLS 6613303-1 3ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
3HPIEP0002 RCP SEAL INJECTION FLOW	OM 2201-H-100 Rev DJ	BAILEY RP1211 3HPIEP0002	NV AB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HPISS0060(3HP60-FICSELSTAT) 3HP-31 SELECTOR STATION	OM 2201-H-100 Rev DJ	BAILEY CONTROLS RU1000 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3HP32-FS1 LOW RC SEAL INLET FLOW	OM 2201-H-100 Rev DJ	SAIC RP 2049-2 3ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
3HP32-FS2 LOW RC SEAL INLET FLOW	OM 2201-H-100 Rev DJ	SAIC RP 2049-2 3ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
3HP32-FS3 LOW RC SEAL INLET FLOW	OM 2201-H-100 Rev DJ	SAIC RP 2049-2 3ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
3HP32-FS4 LOW RC SEAL INLET FLOW	OM 2201-H-100 Rev DJ	SAIC RP 2049-2 3ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			
62SIF/U3 3HP-31 CONTROL RLY	OM 2201-H-101 Rev DI	POTTER-BRUMFIELD KRPA14AN 3ICS	CNA AB 822
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition Valve HP-31 (30 Second Device).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 High Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3HPVA0115

HPI DISCH HEADER SEP

3XN-05D/(3HP-115)/MS 208V MCC 3XN-05D STARTER (3HP-115)	OEE-351-10 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XN-05D/(3HP-115)/MCB 208V MCC 3XN BKR 5D (3HP-115)	OEE-351-10 Rev 2	GENERAL-ELECTRIC TEC (90/390 A) 3XN	NV AB 771
--	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPVA0355

HPI AUX SPRAY THROTTLE

3HPIML0064 3HP-355 MANUAL LOADER	OEE-351-45 Rev 1	MOORE PRODUCTS 350LANN 3UB1	NV AB 822
-------------------------------------	------------------	-----------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVIC-07/MCB 120V PPB 3KVIC BKR 07 (M/L 3HPIML0064 - 3HP-355)	OEE-351-45 Rev 1	ITE QP1 (20 A) 3KVIC	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3HPVA0405

SSF RCMU BYPASS ISOL

3XSF-F05B(600V)/(3HP-405)/MS 600V MCC 3XSF-F05B STARTER (3HP-405)	OEE-351-34 Rev 2	GTE-SYLVANIA BUL 6240 3XSF(600V)	EVAL (SSF QUAL) SSF 817
--	------------------	--	-------------------------------

EVAL - Seismically Adequate Per Test Report.

3XSF-F05B(600V)/(3HP-405)/MCB 600V MCC 3XSF BKR F05B (3HP-405)	OEE-351-34 Rev 2	GENERAL-ELECTRIC THED (20 A) 3XSF(600V)	NV SSF 817
---	------------------	---	------------------

NV - Not Vulnerable To Contact Chatter.

3HPVA0409

HPI CROSSOVER ISOLATION

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 High Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XS3-02D/(RSC-3HP-409)/MS REMOTE STARTER (3HP-409) FED FROM 600V MCC 3XS3-02D <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-31 Rev 8	GTE-SYLVANIA T40TA 3RSC-3HP-409/ENCL	EVAL (OSC-6642) AB 796
3XS3-02D/(3HP-409&410)/MCB 600V MCC 3XS3 BKR 02D (3HP-409 & 3HP-410) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-31 Rev 8	GENERAL-ELECTRIC THED (30 A) 3XS3	NV AB 796
3HPVA0426 ALT LETDOWN PATH ISOLATION			
3XSF-F04B(600V)/(3HP-426)/MS 600V MCC 3XSF-F04B STARTER (3HP-426) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-44 Rev 1	GTE-SYLVANIA BUL 6240 3XSF(600V)	EVAL (SSF QUAL) SSF 817
3XSF-F04B(600V)/(3HP-426)/MCB 600V MCC 3XSF BKR F04B (3HP-426) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-44 Rev 1	GENERAL-ELECTRIC THED (20 A) 3XSF(600V)	NV SSF 817
3HPVA0428 ALT LETDOWN PATH ISOLATION			
3XSF-1-F02B/(3HP-428)/MS 208V MCC 3XSF-1-F02B STARTER (3HP-428) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-351-42 Rev 2	GTE-SYLVANIA BUL 6240 3XSF-1(208V)	EVAL (SSF QUAL) SSF 797
3XSF-1-F02B/(3HP-428)/MCB 208V MCC 3XSF-1 BKR F02B (3HP-428) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-351-42 Rev 2	GENERAL-ELECTRIC THED (20 A) 3XSF-1(208V)	NV SSF 797

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 ICCM**
 SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
ICCAPD/U3 ICC PLASMA DISPLAY TRAIN A <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-03 Rev 1	WESTINGHOUSE ICCM-86 3UB1	NV AB 822
3TE1602(Typical) CORE EXIT THERMOCOUPLE 3TE1602 <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-08 Rev 0	B & W 1104604 3CET	NV RB
3RCLT0123 3A RCS HOT LEG LVL (ICCM A) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2422-I-7 Rev 4	ITT BARTON 752 3RCLT0123	NV RB 809
3RCLT0125 RV HEAD LEVEL (ICCM A) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2422-I-7 Rev 4	ITT BARTON 752 3RCLT0125	NV RB 809
3RCMT0101 WR RCS PRESS TRAIN A (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-28 Rev 0	ROCHESTER INSTRUMENTS SC1302 3TBATWS1	NV AB 809
3RCPT0244 WR RCS PRESS TRAIN A (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-28 Rev 0	ITT-BARTON 753 3RCPT0244	NV AB 809
3KVIA-12/MCB(ICCPDA) 120V PPB 3KVIA BKR 12 (ICC PD A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-03 Rev 1	ITE QP1 (20 A) 3KVIA	NV AB 809
3CP0343 UST 3A LEVEL IND (ICCM) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-10 Rev 3	WESTINGHOUSE VX-252 3AB3A	NV AB 822
3CLT0036 UST 3A LEVEL <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-10 Rev 3	ROSEMOUNT 1153DB5PA 3CLT0036	NV TB 838
ICCBPD/U3 ICC PLASMA DISPLAY TRAIN B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-355-02 Rev 1	WESTINGHOUSE ICCM-86 3UB1	NV AB 822

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 163 of 247

SYSTEM: U3 ICCM

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TE1607(Typical) CORE EXIT THERMOCOUPLE 3TE1607	OEE-355-09 Rev 0	B & W 1104604 3CET	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCLT0124 3B RCS HOT LEG LVL (ICCM B)	O-2422-I-7 Rev 4	ITT BARTON 752 3RCLT0124	NV RB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCLT0126 RV HEAD LEVEL (ICCM B)	O-2422-I-7 Rev 4	ITT BARTON 752 3RCLT0126	NV RB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCMT0102 WR RCS PRESS TRAIN B (ICCM)	OEE-355-29 Rev 0	ROCHESTER INSTRUMENTS SC1302 3TBATWS2	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCPT0245 WR RCS PRESS TRAIN B (ICCM)	OEE-355-29 Rev 0	ITT-BARTON 753 3RCPT0245	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIB-11/MCB(ICCPDB) 120V PPB 3KVIB BKR 11 (ICC PD B)	OEE-355-02 Rev 1	ITE QP1 (20 A) 3KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CP0081 UST 3B LEVEL IND (ICCM)	OEE-355-10 Rev 3	WESTINGHOUSE VX-252 3AB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CLT0015A UST 3B LEVEL	OEE-355-10 Rev 3	ROSEMOUNT 1153DB5PA 3CLT0015A	NV TB 838
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Keowee Start

SUB SYSTEM: Emergency Start Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
CR3A CHANNEL A KEOWEE EM START RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-320 Rev 4	CUTLER-HAMMER D23MRD70A1 3KESP	GERS-RLY-AI2.4 AB 809
RO(KEOSTART)(3ES-1) RO RLY KEOWEE EMERGENCY START CHANNEL A <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-320 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
3DIA-02/MCB 125V PPB 3DIA BKR 02 (KEOWEE EMERG START CHANNEL A) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-320 Rev 4	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
CR3B CHANNEL B KEOWEE EM START RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-320-01 Rev 4	CUTLER-HAMMER D23MRD70A1 3KESP	GERS-RLY-AI2.4 AB 809
RO(KEOSTART)(3ES-2) RO RLY KEOWEE EMERGENCY START CHANNEL B <i>Rugged Relay Whose Contact Chatter Is Bypassed By Rugged Device(s).</i>	OEE-320-01 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
3DIB-02/MCB 125V PPB 3DIB BKR 02 (KEOWEE EMERG START CHANNEL B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-320-01 Rev 4	ITE EH2 (20 A) 3DIB/PPB	NV AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 165 of 247

SYSTEM: **U3 Low Pressure Injection**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3LPIP0015 BWST TEMP INDICATION (PNEUMATIC)	O-2422-X-25 Rev 9	BAILEY CONTROLS PY-120X 3UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPITT0001A BWST TEMP TRANSMITTER (PNEUMATIC)	SEISMIC REVIEW Rev 9	BAILEY CONTROLS KT-1410A 3LPITK0001	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPIP0030 LPI TRAIN 3B INJECTION FLOW INDICATOR	OEE-355-26 Rev 0	DIXSON SA101AXTX 3UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPIFT0004P LPI TRAIN 3B INJ FLOW TRANS (Powered by ICCM)	OEE-355-26 Rev 0	ROSEMOUNT 1153DB5RB 3LPIFT0004P	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3SKK-17/MCB(3LPIP0030) 120V PPB 3SKK BKR 17 (3LPIP0030)	OEE-355-25 Rev 1	SQUARE-D QOB (20 A) 3SKK	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPIP0037 LPI TRAIN 3A INJECTION FLOW INDICATOR	OEE-355-26 Rev 0	DIXSON SA101AXTX 3UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPIFT0005P LPI TRAIN 3A INJ FLOW TRANS (Powered by ICCM)	OEE-355-26 Rev 0	ROSEMOUNT 1153DB5RB 3LPIFT0005P	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3SKJ-17/MCB(3LPIP0037) 120V PPB 3SKJ BKR 17 (3LPIP0037)	OEE-355-24 Rev 1	SQUARE-D QOB (20 A) 3SKJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPIP0346 BWST LEVEL INDICATION (Powered by ICCM)	OEE-355-04 Rev 0	WESTINGHOUSE VX-252 3UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPILT0002A BWST LEVEL TRANSMITTER (Powered by ICCM)	OEE-355-04 Rev 0	ROSEMOUNT 1153DB5PB 3LPITK0001	NV YD 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Low Pressure Injection**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3LPIP0348 LPI COOLER TEMP INDICATOR (Powered by ICS)	OM 2201-H-98 Rev DQ	DIXSON SG202AXTX 3UB2	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPITE0209 LPI COOLER OUTLET TEMP (ICS Input)	OM 2201-H-98 Rev DQ	CONAX 7S22-10000X 3LPITE0209	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LP2-TT1 LPI COOLER OUTLET TEMP SIGNAL CONVERTER (Powered by ICS)	OM 2201-H-98 Rev DQ	BAILEY CONTROLS 6621367-1 3ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPITE0210 LPI COOLER OUTLET TEMP (ICS Input)	OM 2201-H-98 Rev DQ	CONAX 7S22-10000X 3LPITE0210	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LP2-TT2 LPI COOLER OUTLET TEMP SIGNAL CONVERTER (Powered by ICS)	OM 2201-H-98 Rev DQ	BAILEY CONTROLS 6621367-1 3ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 167 of 247

SYSTEM: U3 Low Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3LPIPU0001			
3LPI PUMP A			
3TC-09 4KV SWGR 3TC BKR 09 (3LPIP A)	OEE-317-20 Rev 5	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CR-52(3LPIPA) 3LPIP A ESFAS INTERFACE RLY	OEE-317-20 Rev 5	CUTLER-HAMMER D23MRD30A1 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(3TC-09) 3LPI PUMP A OC RLY (X PHASE)	OEE-317-20 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-09) 3LPI PUMP A OC RLY (Z PHASE)	OEE-317-20 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-09) 3LPI PUMP A GROUND OC RLY	OEE-317-20 Rev 5	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(3LPIPA)(LP-P1A)(3ES-3) RO RLY (3LPIP A)	OEE-317-20 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
3LPIPU0002			
3LPI PUMP B			
3TD-10 4KV SWGR 3TD BKR 10 (3LPIP B)	OEE-317-35 Rev 5	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CR-33(3LPIPB) 3LPIP B ESFAS INTERFACE RLY	OEE-317-35 Rev 5	CUTLER-HAMMER D23MRD30A1 3TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51X(3TD-10) 3LPI PUMP B OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-35 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(3TD-10) 3LPI PUMP B OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-35 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(3TD-10) 3LPI PUMP B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-35 Rev 5	ITE GR-5 (202D6141) 3TD	NV TB 796
RO(3LPIB)(LP-P1B)(3ES-4) RO RLY (3LPIB) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-317-35 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
3LPIPU0003 3LPI PUMP C			
3TE-10 4KV SWGR 3TE BKR 10 (3LPIB C) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-49 Rev 4	ITE 5HK-350 (1200 A) 3TE	NV TB 796
27(3TE-10) 3LPI PUMP C UV RLY <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-317-49 Rev 4	WESTINGHOUSE CV-2 (1875508) 3TE	CA TB 796
50-51X(3TE-10) 3LPI PUMP C OC RLY (X PHASE) <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-317-49 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TE	CA TB 796
50-51Z(3TE-10) 3LPI PUMP C OC RLY (Z PHASE) <i>CA - Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.</i>	OEE-317-49 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TE	CA TB 796
50G(3TE-10) 3LPI PUMP C GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-49 Rev 4	ITE GR-5 (202D6141) 3TE	NV TB 796

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Injection

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

CR1/U3 3LPI PUMP C AUX RLY	OEE-317-49 Rev 4	STRUTHERS-DUNN 219BBXP 3TE	CA TB 796
-------------------------------	------------------	----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.

TDR1/U3(3TE-10) 3LPI PUMP C CONTROL RLY	OEE-317-49 Rev 4	AGASTAT 7014 PB 3TE	CA TB 796
--	------------------	---------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.

TDR2(3TE-10) 3LPI PUMP C CONTROL RLY	OEE-317-49 Rev 4	AGASTAT 7012 PBL 3TE	CA TB 796
---	------------------	----------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The Pump Is Normally De-energized And Requires Manual Start.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

3LPVA0001

LPI DROPLINE ISOL FROM RCS

3RC3-PSTI RC PRESS INTERLOCK FROM ICS	OEE-352-13 Rev 6	BAILEY CONTROLS 6613303-1 3ICS	CA AB 822
--	------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

3XS1-F04D/(3LP-1)/MS 600V MCC 3XS1-F04D STARTER (3LP-1)	OEE-352-13 Rev 6	CLARK BUL 6030 CY-1 (B1A) 3XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-F04D/(3LP-1)/MCB 600V MCC 3XS1 BKR F04D (3LP-1)	OEE-352-13 Rev 6	GENERAL-ELECTRIC THED (20 A) 3XS1	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPVA0002

LPI DROPLINE ISOL FROM RCS

3RCPS0364 RC PRESS SWITCH	OEE-352-14 Rev 8	CUSTOM COMPONENTS CC-604GZX5-7011 3RCPS0364	CA RB 825
------------------------------	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).

3XS1-F05C/(RSC-3LP-2)/MS 600V REMOTE STARTER F01C (3LP-2)	OEE-352-14 Rev 8	GTE-SYLVANIA/CLARK BUL 6200 XSF(600V)	EVAL (OSC-6642) SSF 777
--	------------------	---	-------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-F05C/(RSC-3LP-2)/MCB 600V MCC 3XS1 BKR F05C (3LP-2)	OEE-352-14 Rev 8	GENERAL-ELECTRIC THED (30 A) 3XS1	NV AB 777
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPVA0003

LPI HOT LEG SUCTION

3XS1-R01B/(3LP-3)/MS 208V MCC 3XS1-R01B STARTER (3LP-3)	OEE-352 Rev 4	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
--	---------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XS1-R01B/(3LP-3)/MCB 208V MCC 3XS1 BKR R01B (3LP-3)	OEE-352 Rev 4	GENERAL-ELECTRIC TED (20 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0005 LPI PUMP 3A SUCTION			
3XL-06E/(3LP-5)/MS 208V MCC 3XL-06E STARTER (3LP-5)	OEE-352-05 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XL	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XL-06E/(3LP-5)/MCB 208V MCC 3XL BKR 06E (3LP-5)	OEE-352-05 Rev 1	GENERAL-ELECTRIC TEC (42/198 A) 3XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0006 LPI SUCTION CROSSOVER			
3XL-08E/(3LP-6)/MS 208V MCC 3XL-08E STARTER (3LP-6)	OEE-352-07 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XL	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XL-08E/(3LP-6)/MCB 208V MCC 3XL BKR 08E (3LP-6)	OEE-352-07 Rev 1	GENERAL-ELECTRIC TEC (42/198 A) 3XL	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0007 LPI SUCTION CROSSOVER			
3XN-05E/(3LP-7)/MS 208V MCC 3XN-05E STARTER (3LP-7)	OEE-352-08 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XN	EVAL (MCC QUAL) AB 771
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XN-05E/(3LP-7)/MCB 208V MCC 3XN BKR 05E (3LP-7)	OEE-352-08 Rev 1	GENERAL-ELECTRIC TEC (42/198 A) 3XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3LPVA0008

LPI PUMP 3B SUCTION

3XN-06E/(3LP-8)/MS 208V MCC 3XN-06E STARTER (3LP-8)	OEE-352-06 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XN-06E/(3LP-8)/MCB 208V MCC 3XN BKR 06E (3LP-8)	OEE-352-06 Rev 1	GENERAL-ELECTRIC TEC (42/198 A) 3XN	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPVA0009

LPI CROSSOVER

3XL-07D/(3LP-9)/MS 208V MCC 3XL-07D STARTER (3LP-9)	OEE-352-15 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XL	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XL-07D/(3LP-9)/MCB 208V MCC 3XL BKR 07D (3LP-9)	OEE-352-15 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XL	NV AB 771
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPVA0010

LPI CROSSOVER

3XN-07D/(3LP-10)/MS 208V MCC 3XN-07D STARTER (3LP-10)	OEE-352-16 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XN	EVAL (MCC QUAL) AB 771
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XN-07D/(3LP-10)/MCB 208V MCC 3XN BKR 07D (3LP-10)	OEE-352-16 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XN	NV AB 771
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPVA0012

LPI COOLER 3A ISOLATION

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XS1-R01A/(3LP-12)/MS 208V MCC 3XS1-R01A STARTER (3LP-12) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-352-23 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
3XS1-R01A/(3LP-12)/MCB 208V MCC 3XS1 BKR R01A (3LP-12) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-352-23 Rev 3	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
3LPVA0014 LPI COOLER 3B ISOLATION			
3XS2-R01C/(3LP-14)/MS 208V MCC 3XS2-R01C STARTER (3LP-14) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-352-24 Rev 4	CLARK BUL 6030 CY-1 (H1A) 3XS2	EVAL (MCC QUAL) AB 796
3XS2-R01C/(3LP-14)/MCB 208V MCC 3XS2 BKR R01C (3LP-14) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-352-24 Rev 4	GENERAL-ELECTRIC TED (15 A) 3XS2	NV AB 796
3LPVA0015 LPI TO HPI/RBS PIGGYBACK 3A			
3XL-09D/(3LP-15)/MS 208V MCC 3XL-09D STARTER (3LP-15) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-352-03 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XL	EVAL (MCC QUAL) AB 771
3XL-09D/(3LP-15)/MCB 208V MCC 3XL BKR 09D (3LP-15) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-352-03 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XL	NV AB 771
3LPVA0016 LPI TO HPI/RBS PIGGYBACK 3B			
3XN-06D/(3LP-16)/MS 208V MCC 3XN-06D STARTER (3LP-16) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-352-04 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XN	EVAL (MCC QUAL) AB 771

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 174 of 247

SYSTEM: **U3 Low Pressure Injection**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XN-06D/(3LP-16)/MCB 208V MCC 3XN BKR 06D (3LP-16)	OEE-352-04 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XN	NV AB 771
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0017			
LPI TRAIN 3A INJECTION ISOL			
3CR-53(3LP-17) 3LP-17 ESFAS INTERFACE RLY	OEE-352-09 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-46(3LP-17) 3LP-17 CONTROL RLY	OEE-352-09 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3LP-17)(LP-V4A)(3ES-3) RO RLY (3LP-17)	OEE-352-09 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XS1-F04E/(3LP-17)/MS 600V MCC 3XS1-F04E STARTER (3LP-17)	OEE-352-09 Rev 4	CLARK BUL 6030 CY-2 (B2A) 3XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS1-F04E/(3LP-17)/MCB 600V MCC 3XS1 BKR F04E (3LP-17)	OEE-352-09 Rev 4	GENERAL-ELECTRIC THED (50 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0018			
LPI TRAIN 3B INJECTION ISOL			
3CR-34(3LP-18) 3LP-18 ESFAS INTERFACE RLY	OEE-352-10 Rev 5	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-33(3LP-18) 3LP-18 CONTROL RLY	OEE-352-10 Rev 5	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Injection

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(3LP-18)(LP-V4B)(3ES-4) RO RLY (3LP-18)	OEE-352-10 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XS2-F04E/(3LP-18)/MS 600V MCC 3XS2-F04E STARTER (3LP-18)	OEE-352-10 Rev 5	CLARK BUL 6030 CY-2 (B2A) 3XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-F04E/(3LP-18)/MCB 600V MCC 3XS2 BKR F04E (3LP-18)	OEE-352-10 Rev 5	GENERAL-ELECTRIC THED (50 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0019			
RB EM SUMP SUCTION			
3XS1-R01C/(3LP-19)/MS 208V MCC 3XS1-R01C STARTER (3LP-19)	OEE-352-01 Rev 4	CLARK BUL 6030 CY-1 (H1) 3XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS1-R01C/(3LP-19)/MCB 208V MCC 3XS1 BKR R01C (3LP-19)	OEE-352-01 Rev 4	GENERAL-ELECTRIC TED (20 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0020			
RB EM SUMP SUCTION			
3XS2-R04C/(3LP-20)/MS 208V MCC 3XS2-R04C STARTER (3LP-20)	OEE-352-02 Rev 3	CLARK BUL 6030 CY-1 (H1) 3XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-R04C/(3LP-20)/MCB 208V MCC 3XS2 BKR R04C (3LP-20)	OEE-352-02 Rev 3	GENERAL-ELECTRIC TED (20 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPVA0092			
LPI COOLER BYPASS VALVE			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Low Pressure Injection**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3LPVA0093

LPI COOLER BYPASS VALVE

3LPVA0103

BORON DILUTION ISOLATION

3XSF-F06D(600V)/(3LP-103)/MS 600V MCC 3XSF-F06D STARTER (3LP-103)	OEE-352-20 Rev 3	GTE-SYLVANIA/CLARK BUL 6240 3XSF(600V)	EVAL (SSF QUAL) SSF 817
--	------------------	--	-------------------------------

EVAL - Seismically Adequate Per Test Report.

3XSF-F06D(600V)/(3LP-103)/MCB 600V ₂ MCC 3XSF BKR F06D (3LP-103)	OEE-352-20 Rev 3	GENERAL-ELECTRIC THED (20 A) 3XSF(600V)	NV SSF 817
--	------------------	---	------------------

NV - Not Vulnerable To Contact Chatter.

3LPVA0126

LPI POST ACC SAMP ISOL

3XL-04CT/(RSC-3LP-126)/MS 600V MCC 3XL REMOTE STARTER (3LP-126)	OEE-362-03 Rev 2	CLARK BUL 6038 3RSC-3LP-126/ENCL	EVAL (OSC-6642) AB 771
--	------------------	--	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XL-04CT/(RSC-3LP-126)/MCB 600V MCC 3XL BKR 04CT BKR (3LP-126)	OEE-362-03 Rev 2	GENERAL-ELECTRIC THED (30 A) 3XL	NV AB 771
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Alarms

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3SA9 ANNUNCIATOR 3SA9	OEE-318-19 Rev 8	AMF Not Found 3AB3A	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3SA9-09 ANNUNCIATOR 3SA9 WINDOW 09 (LPSW HDR PRESS ALARM)	OEE-318-19 Rev 8	AMF Not Found 3AB3A	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3LPSPS0102 LPSW HEADER PRESSURE	OEE-338-17 Rev 2	CUSTOM COMPONENTS 604-GX-11 3LPSPS0102	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
3LPSPS0103 LPSW HEADER PRESSURE	OEE-338-17 Rev 2	CUSTOM COMPONENTS 604GX11 3LPSPS0103	CA TB 775
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
3DIB-27 125V PPB 3DIB BKR 17 (Power source for 3SA9)	OEE-318-19 Rev 8	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3LPSPU0001 LPSW PUMP 3A			
3TC-11 4KV SWGR 3TC BKR 11 (LPSWP 3A)	OEE-317-22 Rev 5	ITE 5HK-350 (1200 A) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CR-02(3LPSPWA)(LPSW-P1A)(3ES-3) LPSWP 3A ESFAS INTERFACE RLY	OEE-317-22 Rev 5	CUTLER-HAMMER D23MRD30A1 3TC	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			
50-51X(3TC-11) LPSW PUMP 3A OC RLY (X PHASE)	OEE-317-22 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50-51Z(3TC-11) LPSW PUMP 3A OC RLY (Z PHASE)	OEE-317-22 Rev 5	WESTINGHOUSE CO-5 (1875241) 3TC	EVAL (GIP-2 SECTION 6.4.2) TB 796
<i>EVAL - Seismically Adequate Per Switchgear Function.</i>			
50G(3TC-11) LPSW PUMP 3A GROUND OC RLY	OEE-317-22 Rev 5	ITE GR-5 (202D6141) 3TC	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
RO(3LPSPWA)(LPSW-P1A)(3ES-3) RO RLY (LPSWP 3A)	OEE-317-22 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

3LPSPU0002

LPSW PUMP 3B

3TD-12 4KV SWGR 3TD BKR 12 (LPSWP 3B)	OEE-317-37 Rev 4	ITE 5HK-350 (1200 A) 3TD	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CR-03(3LPSPWB)(LPSW-P1B)(3ES-4) LPSWP 3B ESFAS INTERFACE RLY	OEE-317-37 Rev 4	CUTLER-HAMMER D23MRD30A1 3TD	CA TB 796
<i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Pumps

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
50-51X(3TD-12) LPSW PUMP 3B OC RLY (X PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-37 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50-51Z(3TD-12) LPSW PUMP 3B OC RLY (Z PHASE) <i>EVAL - Seismically Adequate Per Switchgear Function.</i>	OEE-317-37 Rev 4	WESTINGHOUSE CO-5 (1875241) 3TD	EVAL (GIP-2 SECTION 6.4.2) TB 796
50G(3TD-12) LPSW PUMP 3B GROUND OC RLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-317-37 Rev 4	ITE GR-5 (202D6141) 3TD	NV TB 796
RO(3LPSWPB)(LPSW-P1B)(3ES-4) RO RLY (LPSWP 3B) <i>Rugged Relay Whose Contact Chatter Can Start Pump Motor (Desired Position).</i>	OEE-317-37 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3LPSVA0004

LPI COOLER 3A ISOLATION VALVE

3CR-17(3LPSW-4)(LPSW-V1A)(3ES-3) 3LPSW-4 ESFAS INTERFACE RLY	OEE-338-01 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3LPSW-4)(LPSW-V1A)(3ES-3) RO RLY (3LPSW-4)	OEE-338-01 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS1-R03D/(3LPSW-4)/MS 208V MCC 3XS1-R03D STARTER (3LPSW-4)	OEE-338-01 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-R03D/(3LPSW-4)/MCB 208V MCC 3XS1 BKR R03D (3LPSW-4)	OEE-338-01 Rev 3	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPSVA0005

LPI COOLER 3B ISOLATION VALVE

3CR-18(3LPSW-5)(LPSW-V1B)(3ES-4) 3LPSW-5 ESFAS INTERFACE RLY	OEE-338-02 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3LPSW-5)(LPSW-V1B)(3ES-4) RO RLY (3LPSW-5)	OEE-338-02 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS2-R02D/(3LPSW-5)/MS 208V MCC 3XS2-R02D STARTER (3LPSW-5)	OEE-338-02 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS2	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS2-R02D/(3LPSW-5)/MCB 208V MCC 3XS2 BKR R02D (3LPSW-5)	OEE-338-02 Rev 3	GENERAL-ELECTRIC TED (15 A) 3XS2	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Low Pressure Service Water**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XO-R01B/(3LPSW-19)/MCB 208V MCC 3XO BKR R01B (3LPSW-19)	OEE-338-05 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XO	NV AB 796

NV - Not Vulnerable To Contact Chatter.

3LPSVA0021

RBCU 3B RETURN VALVE

3CR-20(3LPSW-21)(LPSW-V3B)(3ES-5) 3LPSW-21 ESFAS INTERFACE RLY	OEE-338-06 Rev 2	CUTLER-HAMMER D23MR40A 3ESTC3	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3CR-68(3LPSW-21)(LPSW-V3B)(3ES-6) 3LPSW-21 ESFAS INTERFACE RLY	OEE-338-06 Rev 2	CUTLER-HAMMER D23MR40A 3ESTC3	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3LPSW-21)(LPSW-V3B)(3ES-5) RO RLY (3LPSW-21)	OEE-338-06 Rev 2	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3LPSW-21)(LPSW-V3B)(3ES-6) RO RLY (3LPSW-21)	OEE-338-06 Rev 2	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS3-05C/(3LPSW-21)/MS 208V MCC 3XS3-05C STARTER (3LPSW-21)	OEE-338-06 Rev 2	CLARK BUL 6030 CY-1 (H1A) 3XS3	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS3-05C/(3LPSW-21)/MCB 208V MCC 3XS3 BKR 05C (3LPSW-21)	OEE-338-06 Rev 2	GENERAL-ELECTRIC TED (15 A) 3XS3	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPSVA0022

RBCU 3C SUPPLY VALVE

3XP-R01A/(3LPSW-22)/MS 208V MCC 3XP-R01A STARTER (3LPSW-22)	OEE-338-07 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XP	EVAL (MCC QUAL) AB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 184 of 247

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XGA-F08A/(3LPSW-120)/MS 208V MCC 3XGA-F08A STARTER (3LPSW-120) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-338-26 Rev 3	CLARK BUL 6030 CY-1 (H1) 3XGA	EVAL (MCC QUAL) TB 796
3XGA-F08A/(3LPSW-120)/MCB 208V MCC 3XGA BKR F08A (3LPSW-120) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-338-26 Rev 3	GENERAL-ELECTRIC TEC (42/198 A) 3XGA	NV TB 796
3LPSVA0123 LPSW PUMP B SUCTION VALVE			
3XGA-F08C/(3LPSW-123)/MS 208V MCC 3XGA-F08C STARTER (3LPSW-123) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-338-27 Rev 3	CLARK BUL 6030 CY-1 (H1) 3XGA	EVAL (MCC QUAL) TB 796
3XGA-F08C/(3LPSW-123)/MCB 208V MCC 3XGA BKR F08C (3LPSW-123) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-338-27 Rev 3	GENERAL-ELECTRIC TEC (42/198 A) 3XGA	NV TB 796
3LPSVA0137 TDEFW ISOLATION VALVE			
3XA-A-R05C/(3LPSW-137)/MS 208V MCC 3XA-A-R05C STARTER (3LPSW-137) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-338-25 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XA-A	EVAL (MCC QUAL) TB 796
3XA-A-R05C/(3LPSW-137)/MCB 208V MCC 3XA-A BKR R05C (3LPSW-137) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-338-25 Rev 1	GENERAL-ELECTRIC TEC (18/90 A) 3XA-A	NV TB 796
3LPSVA0404 LPI COOLER 3B CONTROL VALVE			
3LPSEP0023 DECAY HEAT COOLER E/P CONVERTER (3LPSW-404) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-338-32 Rev 1	FISHER CONTROLS 646 3LPSEP0023	NV TB 775

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3LPSFT0125 LPI COOLER 3B FLOW XMTR (3LPSW-404)	OEE-338-32 Rev 1	ROSEMOUNT 1151DP4J22B2 3LPSFT0125	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPSS0041 LPI COOLER 3B FLOW (3LPSW-404)	OEE-338-32 Rev 1	MOORE PRODUCTS 352EA21NNF 3VB3	NV AB 822
---	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVIB-16/(3LPSW-404)/MCB 120V PPB 3KVIB BKR 16 (3LPSW-404) (3PLSSV1001)	OEE-338-45 Rev 0	ITE QP1 (20 A) 3KVIB	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVIC-14/MCB 120V PPB 3KVIC BKR 14 (3LPSW-404)	OEE-338-29 Rev 3	ITE QP1 (20 A) 3KVIC	NV AB 809
---	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPSVA0405

LPI COOLER 3A CONTROL VALVE

3LPSEP0022 DECAY HEAT COOLER E/P CONVERTER (3LPSW-405)	OEE-338-32 Rev 1	FISHER CONTROLS 646 3LPSEP0022	NV TB 775
--	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPSFT0124 LPI COOLER 3A FLOW XMTR (3LPSW-405)	OEE-338-32 Rev 1	ROSEMOUNT 1151DP4J22B2 3LPSFT0124	NV AB 771
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPSS0040 LPI COOLER 3A FLOW (3LPSW-405)	OEE-338-32 Rev 1	MOORE PRODUCTS 352EA21NNF 3VB3	NV AB 822
---	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVIA-16/(3LPSW-405)/MCB 120V PPB 3KVIA BKR 16 (3LPSW-405) (3PLSSV1000)	OEE-338-43 Rev 2	ITE QP1 (20 A) 3KVIA	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVIB-17/MCB 120V PPB 3KVIA BKR 13 (3LPSW-405)	OEE-338-29 Rev 3	ITE QP1 (20 A) 3KVIB	NV AB 809
---	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3LPSVA0565

RB AUX COOLERS SUPPLY VALVE

3CR-80(3LPSW-565)(3ES-5) 3LPSW-565 ESFAS INTERFACE RLY	OEE-338-30 Rev 4	CUTLER-HAMMER D26MR40A 3ESTC3	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3CR-81(3LPSW-565)(3ES-6) 3LPSW-565 ESFAS INTERFACE RLY	OEE-338-30 Rev 4	CUTLER-HAMMER D26MR40A 3ESTC3	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-80(3LPSW-565)(3ES-5) 3LPSW-565 CONTROL RLY	OEE-338-30 Rev 4	CUTLER-HAMMER D26MR40A 3ESTC3	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3LPSW-565)(3ES-5) RO RLY (3LPSW-565)	OEE-338-30 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3LPSW-565)(3ES-6) RO RLY (3LPSW-565)	OEE-338-30 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS3-03CT/(RSC-3LPSW-565)/MS REMOTE STARTER (3LPSW-565) (FED FROM 600V MCC 3XS3-03CT)	OEE-338-30 Rev 4	SYLVANIA BUL 6040 3RSC-3LPSW-565/ENCL	EVAL (OSC-6642) AB 796
---	------------------	---	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS3-03CT/(RSC-3LPSW-565)/MCB 600V MCC 3XS3 BKR 03CT (3LPSW-565)	OEE-338-30 Rev 4	GENERAL-ELECTRIC THED (20 A) 3XS3	NV AB 796
---	------------------	---	-----------------

NV - Not Vulnerable To Contact Chatter.

3LPSVA0566

RBCU 3B INLET VALVE

3CR-82(3LPSW-566)(3ES-5) 3LPSW-566 ESFAS INTERFACE RLY	OEE-338-31 Rev 5	CUTLER-HAMMER D26MR40A 3ESTC3	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Low Pressure Service Water

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CR-83(3LPSW-566)(3ES-6) 3LPSW-566 ESFAS INTERFACE RLY	OEE-338-31 Rev 5	CUTLER-HAMMER D26MR40A 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-81(3LPSW-566) 3LPSW-566 CONTROL RLY	OEE-338-31 Rev 5	CUTLER-HAMMER D26MR40A 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3LPSW-566)(3ES-5) RO RLY (3LPSW-566)	OEE-338-31 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3LPSW-566)(3ES-5) RO RLY (3LPSW-566)	OEE-338-31 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XS3-03CB/(RSC-3LPSW-566)/MS REMOTE STARTER (3LPSW-566) (FED FROM 600V MCC 3XS3-03CB)	OEE-338-31 Rev 5	SYLVANIA BUL 6040 3RSC-3LPSW-566/ENCL	EVAL (OSC-6642) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS3-03CB/(RSC-3LPSW-566)/MCB 600V MCC 3XS3 BKR 03CB (3LPSW-566)	OEE-338-31 Rev 5	GENERAL-ELECTRIC THED (20 A) 3XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Power**

SUB SYSTEM: **Protective Relaying**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
62GXA/U3 TURBINE TRIP SIGNAL RLY	OEE-311-10 Rev 4	CUTLER-HAMMER D26MR804A 3EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86GA/U3 U3 GEN BUS LOCKOUT RLY	OEE-311 Rev 3	ELECTRO-SWITCH LOR (SERIES 24) 3EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86GB/U3 U3 GEN BUS LOCKOUT RLY	OEE-311 Rev 3	ELECTRO-SWITCH LOR (SERIES 24) 3EB4	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
86HY/U3 U3 GEN BACKUP LOCKOUT RLY	OEE-311-07 Rev 11	ELECTRO-SWITCH LOR 3EB3	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Isolate The Normal Power Path.</i>			
3DIB-07/MCB 125V PPB 3DIB BKR 07 (UNIT 3 MAIN RELAYING)	OEE-311 Rev 3	ITE EH2 (20 A) 3DIB/PPB	NV AB 809

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Steam**
SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3MSP0059 SG 3A & 3B PRESSURE <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-87 Rev DJ	DIXSON SG202AXTX 3UB1	NV AB 822
3MSPT0024P SG 3A PRESSURE <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-87 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 3MSPT0024P	NV RB 777'+6"
3MSPT0025P SG 3A PRESSURE <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-87 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 3MSPT0025P	NV RB 777'+6"
3MSPT0026P SG 3B PRESSURE <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-87 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 3MSPT0026P	NV RB 777'+6"
3MSPT0027P SG 3B PRESSURE <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-87 Rev DJ	ROSEMOUNT 1151GP9E22T1122B 3MSPT0027P	NV RB 777'+6"
3SS6A-MS SG OUTLET PRESS LOOP A SELECTOR SWITCH <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-95 Rev DH	GENERAL-ELECTRIC CR-104 3UB1	NV AB 822
3SS6A-PT1(2) SEL SG OUTLET PRESS LOOP A SIG CONVERTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-87 Rev DJ	BAILEY CONTROLS 6617150-3 3ICS	NV AB 822
3SS6B-MS SG OUTLET PRESS LOOP B SELECTOR SWITCH <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-95 Rev DH	GENERAL-ELECTRIC CR-104 3UB1	NV AB 822
3SS6B-PT1(2) SEL SG OUTLET PRESS LOOP B SIG CONVERTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-87 Rev DJ	BAILEY CONTROLS 6617150-3 3ICS	NV AB 822
183/SGP-A/U3 U3 SG OUTLET PRESS LOOP A CONTROL RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2201-H-95 Rev DH	POTTER-BRUMFIELD KRP14AN 3ICS	CA AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Steam**
SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	<i>SAT*</i> Building Floor Elev
183/SGP-B/U3 U3 SG OUTLET PRESS LOOP B CONTROL RLY	OM 2201-H-95 Rev DH	POTTER-BRUMFIELD KRP14AN 3ICS	CA AB 822

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3MSVA0017

TURBINE BYPASS ISOLATION

3XGB-R01A/(3MS-17)/MS 208V MCC 3XGB-R01A STARTER (3MS-17)	OEE-345-44 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XGB	EVAL (MCC QUAL) TB 796
--	------------------	-------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XGB-R01A/(3MS-17)/MCB 208V MCC 3XGB BKR R01A (3MS-17)	OEE-345-44 Rev 1	GENERAL-ELECTRIC TEC (90/390 A) 3XGB	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSVA0019

TURBINE BYPASS VALVE

3MSMT0006 MAIN STEAM E/P CONVERTER (3MS-19)	OM 2201-H-21 Rev DG	BAILEY CONTROLS RP1211C E/P 3MC-25	NV TB 796
--	---------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSPS0086 MAIN STEAM PRESS SWITCH (3MS-19)	OEE-345-56 Rev 8	ATWOOD & MOR CC604GX11 3MSPS0086	CA TB 796'+6"
---	------------------	--	---------------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3IC12A-MS(IC18.11)(MS-19&MS-22) SELECTOR STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 2201-H-58 Rev DG	BAILEY CONTROLS RU2000C-J 3ICS	CA AB 822
---	---------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3IC18.11A(MS-19&MS-22) ANALOG MEMORY STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 2201-H-58 Rev DG	SEGA S-6135 3ICS	NV AB 822
---	---------------------	------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3SS15A-MC(MS-19&MS-22) SELECTOR STATION TURBINE BY-PASS A VALVES (MS-19 & MS-22)	OM 2201-H-21 Rev DG	BAILEY CONTROLS RU6000B 3ASP	CA TB 822
--	---------------------	------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

83TBVA/U3(MS-19&MS-22) TRANSFER POWER TURBINE BY-PASS A VALVES (MS-19 & MS-22) RELAY	OM 2201-H-59 Rev DD	POTTER-BRUMFIELD KRPA14AN 3ICS	CA AB 822
--	---------------------	--------------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
83XTBVA/U3(MS-19&MS-22) TRANSFER POWER TURBINE BY-PASS A VALVES (MS-19 & MS-22) AUX RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2201-H-59 Rev DD	POTTER-BRUMFIELD KRPA14AN 3ICS	CA AB 822
86-1/DSC/U3(MS-19,-22,-28,&-31) SIMULATOR PLUG CONNECTION REMOVED <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2201-H-109 Rev DE	POTTER-BRUMFIELD KRPA14AN 3ICS	CA AB 822
86CVL/U3(MS-19&MS-22) LOSS OF CONDENSER VACUUM RELAY (MS-19 & MS-22) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2201-H-59 Rev DD	POTTER-BRUMFIELD KRPA14AN 3ICS	CA AB 822
3KI-01/(MS-19)/MCB 120V PPB 3KI BKR 01 (MS-19) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-56 Rev 8	ITE CC (20 A) 3KI	NV AB 809
3MSVA0022 TURBINE BYPASS VALVE			
3MSMT0007 MAIN STEAM E/P CONVERTER (3MS-22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-21 Rev DG	BAILEY CONTROLS RP1211C E/P 3MC-25	NV TB 796
3MSPS0087 MAIN STEAM PRESS SWITCH (3MS-22) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-345-56 Rev 8	ATWOOD & MOR CC604GX11 3MSPS0087	CA TB 796'+6"
3KI-01/(MS-22)/MCB 120V PPB 3KI BKR 01 (MS-22) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-56 Rev 8	ITE CC (20 A) 3KI	NV AB 809
3MSVA0024 AS ISOLATION			
3XGB-R01C/(3MS-24)/MS 208V MCC 3XGB-R01C STARTER (3MS-24) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-345-46 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XGB	EVAL (MCC QUAL) TB 796

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XGB-R01C/(3MS-24)/MCB 208V MCC 3XGB BKR R01C (3MS-24)	OEE-345-46 Rev 2	GENERAL-ELECTRIC TEC (42/198 A) 3XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0026 TURBINE BYPASS ISOLATION			
3XGB-R01B/(3MS-26)/MS 208V MCC 3XGB-R01B STARTER (3MS-26)	OEE-345-44 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XGB	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XGB-R01B/(3MS-26)/MCB 208V MCC 3XGB BKR R01B (3MS-26)	OEE-345-44 Rev 1	GENERAL-ELECTRIC TEC (90/390 A) 3XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0028 TURBINE BYPASS VALVE			
3MSMT0013 MAIN STEAM E/P CONVERTER (3MS-28)	OM 2201-H-21 Rev DG	BAILEY CONTROLS RP1211C E/P 3MC-25	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSPS0088 MAIN STEAM PRESS SWITCH (3MS-28)	OEE-345-56 Rev 8	ATWOOD & MOR CC604GX11 3MSPS0088	CA TB 796'+6"
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3IC12B-MS(IC18.13)(MS-28&MS-31) SELECTOR STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 2201-H-58 Rev DG	BAILEY CONTROLS RU2000C-J 3ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3IC18.13A(MS-28&MS-31) ANALOG MEMORY STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 2201-H-58 Rev DG	SEGA S-6135 3ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3SS15B-MC(MS-28&MS-31) SELECTOR STATION TURBINE BY-PASS B VALVES (MS-28 & MS-31)	OM 2201-H-21 Rev DG	BAILEY CONTROLS RU6000B 3ASP	CA TB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
83TBVB/U3(MS-28&MS-31) TRANSFER POWER TURBINE BY-PASS B VALVES (MS-28 & MS-31) RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2201-H-59 Rev DD	POTTER-BRUMFIELD 6614730D1 3ICS	CA AB 822
83XTBVB/U3(MS-28&MS-31) TRANSFER POWER TURBINE BY-PASS B VALVES (MS-28 & MS-31) AUX RELAY <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2201-H-59 Rev DD	POTTER-BRUMFIELD KRPA14AN 3ICS	CA AB 822
86-1CVL/U3(MS-28&MS-31) LOSS OF CONDENSER VACUUM RELAY (MS-28 & MS-31) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OM 2201-H-59 Rev DD	POTTER-BRUMFIELD KRPA14AN 3ICS	CA AB 822
3KI-01/(MS-28)/MCB 120V PPB 3KI BKR 01 (MS-28) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-56 Rev 8	ITE CC (20 A) 3KI	NV AB 809
3MSVA0031 TURBINE BYPASS VALVE			
3MSMT0014 MAIN STEAM E/P CONVERTER (3MS-31) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-21 Rev DG	BAILEY CONTROLS RP1211C E/P 3MC-25	NV TB 796
3MSPS0089 MAIN STEAM PRESS SWITCH (3MS-31) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-345-56 Rev 8	ATWOOD & MOR CC604GX11 3MSPS0089	CA TB 796'+6"
3KI-01/(MS-31)/MCB 120V PPB 3KI BKR 01 (MS-31) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-56 Rev 8	ITE CC (20 A) 3KI	NV AB 809
3MSVA0033 AS ISOLATION			
3XGB-R01D/(3MS-33)/MS 208V MCC 3XGB-R01D STARTER (3MS-33) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-345-46 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XGB	EVAL (MCC QUAL) TB 796

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 195 of 247

SYSTEM: U3 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XGB-R01D/(3MS-33)/MCB 208V MCC 3XGB BKR R01D (3MS-33)	OEE-345-46 Rev 2	GENERAL-ELECTRIC TEC (42/198 A) 3XGB	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0035			
FWPT ISOLATION			
3XA-R06A/(3MS-35)/MS 208V MCC 3XA-R06A STARTER (3MS-35)	OEE-345-42 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XA-R06A/(3MS-35)/MCB 208V MCC 3XA BKR R06A (3MS-35)	OEE-345-42 Rev 1	GENERAL-ELECTRIC TEC (42/198 A) 3XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0036			
FWPT ISOLATION			
3XA-R06B/(3MS-36)/MS 208V MCC 3XA-R06B STARTER (3MS-36)	OEE-345-42 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XA-R06B/(3MS-36)/MCB 208V MCC 3XA BKR R06B (3MS-36)	OEE-345-42 Rev 1	GENERAL-ELECTRIC TEC (42/198 A) 3XA	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0047			
MS TO CSAE			
3XC-R04E/(3MS-47)/MS 208V MCC 3XC-R04E STARTER (3MS-47)	OEE-345-50 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XC	EVAL (MCC QUAL) TB 775
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XC-R04E/(3MS-47)/MCB 208V MCC 3XC BKR R04E (3MS-47)	OEE-345-50 Rev 2	GENERAL-ELECTRIC TEC (18/90 A) 3XC	NV TB 775
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 196 of 247

SYSTEM: U3 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3MSVA0076

MS RH ISOLATION

3XA-R06C/(3MS-76)/MS 208V MCC 3XA-R06C STARTER (3MS-76)	OEE-345-47 Rev 3	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XA-R06C/(3MS-76)/MCB 208V MCC 3XA BKR R06C (3MS-76)	OEE-345-47 Rev 3	GENERAL-ELECTRIC TEC (90/390 A) 3XA	NV TB 796
---	------------------	---	-----------------

*NV - Not Vulnerable To Contact Chatter.***3MSVA0077**

MS TO 2ND STAGE RHTR ISOL

3HDPS0377 1ST STAGE RH PRESS SWITCH	OEE-354-05 Rev 4	ASHCROFT B424VXNF06-30INC 3HDPS0377	CA TB 822
--	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3MSPS0276 2ND STAGE RH STEAM PRESS SWITCH (3MS-77)	OEE-354-05 Rev 4	UNITED ELECTRIC VE-J6-148 3MC-F54	CA TB 796
---	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3MSPS0293 2ND STAGE RH STEAM PRESS SWITCH (3MS-77)	OEE-354-05 Rev 4	UNITED ELECTRIC VE-J6-148 3MC-F54	CA TB 796
---	------------------	---	-----------------

CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3PS276X REHEATER AUX RLY (3MS-77)	OEE-354-05 Rev 4	CUTLER-HAMMER D23MR40A 3HBP	CA TB 822
--------------------------------------	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3PS293X REHEATER AUX RLY (3MS-77)	OEE-354-05 Rev 4	CUTLER-HAMMER D23MRD40A 3HBP	CA TB 822
--------------------------------------	------------------	------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

3PS377X2 REHEATER AUX RLY (3MS-77)	OEE-354-05 Rev 4	CUTLER-HAMMER D23MR44A 3HBP	CA TB 822
---------------------------------------	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 197 of 247

SYSTEM: U3 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XA-A-F02A/(3MS-77)/MS 208V MCC 3XA-A-F02A STARTER (3MS-77) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-354-05 Rev 4	CLARK BUL 6030 CY-1 (H1) 3XA-A	EVAL (MCC QUAL) TB 796
3XA-A-F02A/(3MS-77)/MCB 208V MCC 3XA-A BKR F02A (3MS-77) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-354-05 Rev 4	GENERAL-ELECTRIC TEC (42/198 A) 3XA-A	NV TB 796
3MSVA0078 MS TO 2ND STAGE RHTR ISOL			
3XA-A-F02B/(3MS-78)/MS 208V MCC 3XA-A-F02B STARTER (3MS-78) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-354-21 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XA-A	EVAL (MCC QUAL) TB 796
3XA-A-F02B/(3MS-78)/MCB 208V MCC 3XA-A BKR F02B (3MS-78) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-354-21 Rev 2	GENERAL-ELECTRIC TEC (42/198 A) 3XA-A	NV TB 796
3MSVA0079 MS RH ISOLATION			
3XA-R06D/(3MS-79)/MS 208V MCC 3XA-R06D STARTER (3MS-79) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-345-47 Rev 3	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
3XA-R06D/(3MS-79)/MCB 208V MCC 3XA BKR R06D (3MS-79) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-345-47 Rev 3	GENERAL-ELECTRIC TEC (90/390 A) 3XA	NV TB 796
3MSVA0080 MS TO 2ND STAGE RHTR ISOL			
3XA-A-F02D/(3MS-80)/MS 208V MCC 3XA-A-F02D STARTER (3MS-80) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-354-13 Rev 3	CLARK BUL 6030 CY-1 (H1) 3XA-A	EVAL (MCC QUAL) TB 796

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3XA-A-F02D/(3MS-80)/MCB 208V MCC 3XA-A BKR F02D (3MS-80)	OEE-354-13 Rev 3	GENERAL-ELECTRIC TEC (42/198 A) 3XA-A	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0081			
MS TO 2ND STAGE RHTR ISOL			
3XA-A-F02C/(3MS-81)/MS 208V MCC 3XA-A-F02C STARTER (3MS-81)	OEE-354-29 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XA-A	EVAL (MCC QUAL) TB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XA-A-F02C/(3MS-81)/MCB 208V MCC 3XA-A BKR F02C (3MS-81)	OEE-354-29 Rev 2	GENERAL-ELECTRIC TEC (42/198 A) 3XA-A	NV TB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0102			
TURBINE STOP VALVE			
3KX-01/MCB(3MS-102) 120V PPB 3KX BKR 01 (3MS-102)	OEE-321-23 Rev 2	ITE CC (20 A) 3KX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0103			
TURBINE STOP VALVE			
3KX-01/MCB(3MS-103) 120V PPB 3KX BKR 01 (3MS-103)	OEE-321-22 Rev 2	ITE CC (20 A) 3KX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MSVA0104			
TURBINE STOP VALVE			
3KX-01/MCB(3MS-104) 120V PPB 3KX BKR 01 (3MS-104)	OEE-321-21 Rev 2	ITE CC (20 A) 3KX	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Steam**

SUB SYSTEM: **Valves**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

3MSVA0105

TURBINE STOP VALVE

3KX-01/MCB(3MS-105) 120V PPB 3KX BKR 01 (3MS-105)	OEE-321-20 Rev 2	ITE CC (20 A) 3KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSVA0106

MAIN STEAM CONTROL VALVE

3KX-01/MCB(3MS-106) 120V PPB 3KX BKR 01 (3MS-106)	OEE-321-25 Rev 2	ITE CC (20 A) 3KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSVA0107

MAIN STEAM CONTROL VALVE

3KX-01/MCB(3MS-107) 120V PPB 3KX BKR 01 (3MS-107)	OEE-321-24 Rev 2	ITE CC (20 A) 3KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSVA0108

MAIN STEAM CONTROL VALVE

3KX-01/MCB(3MS-108) 120V PPB 3KX BKR 01 (3MS-108)	OEE-321-27 Rev 2	ITE CC (20 A) 3KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSVA0109

MAIN STEAM CONTROL VALVE

3KX-01/MCB(3MS-109) 120V PPB 3KX BKR 01 (3MS-109)	OEE-321-26 Rev 2	ITE CC (20 A) 3KX	NV AB 809
--	------------------	-------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Main Steam

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3MSVA0126

MS TO AS CONTROL VALVE

3ASEP1001 VALVE POSITIONER FOR MS-126	OEE-345-76 Rev 0	FISHER CONTROLS 546 3MSVA0126	NV TB 807
--	------------------	-------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3ASPT0117P AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	OEE-345-76 Rev 0	ROSEMOUNT 1151GP8E22B2 3ASPT0117P	NV TB 796'+6"
---	------------------	---	---------------------

NV - Not Vulnerable To Contact Chatter.

3ASSS0017 VALVE CONTROLLER FOR MS-126 AND MS-129	OEE-345-77 Rev 0	MOORE PRODUCTS 352EA21VNF 3AB1	NV AB 822
---	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVID-10/MCB 120V PPB 3KVID BKR 10 (MS-126 & MS-129)	OEE-345-77 Rev 0	ITE QP1 (20 A) 3KVID	NV AB 809
---	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MSVA0129

MS TO AS CONTROL VALVE

3ASEP1000 VALVE POSITIONER FOR MS-129	OEE-345-76 Rev 0	FISHER CONTROLS 546 3MSVA0129	NV TB 808
--	------------------	-------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 201 of 247

SYSTEM: U3 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
BOT/U3 BACKUP OVERSPEED TRIP SWITCH (VCS840)	OEE-321-01 Rev 3	GENERAL-ELECTRIC 994D129G2 1EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
VCS815/U3 VOLTAGE COMPARATOR SPEED SWITCH	OEE-321-01 Rev 3	GENERAL-ELECTRIC 994D129G2 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KM405/U3 SPEED FEEDBACK TRIP AUX RELAY	OEE-321-01 Rev 3	NOT FOUND NOT FOUND 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KM406/U3 SPEED FEEDBACK TRIP AUX RELAY	OEE-321-01 Rev 3	NOT FOUND NOT FOUND 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT401/U3 BACKUP OVERSPEED TRIP TIME DELAY TEST RELAY	OEE-321-01 Rev 3	CLARE HGSM5001 3EHCVTP	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT702/U3 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-321-01 Rev 3	CLARE HGSM5001 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT215/U3 VACUUM TRIP RESET RELAY	OEE-321-02 Rev 1	CLARE HGSM5001 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
RTC-B/U3 REACTOR TRIP CONFIRMED AUX RELAY	OEE-321-02 Rev 1	CUTLER-HAMMER D23MRD074T1-24V 3CRDACBKRCAB	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
K1(YKT-874) EHC SYSTEM TRIP SEAL-IN RELAY	OEE-321-03 Rev 2	GENERAL-ELECTRIC CR120 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
XK-98/U3(XKT-802/U3) EHC SYSTEM MECHANICAL TRIP RELAY	OEE-321-03 Rev 2	GENERAL-ELECTRIC CR120 3EHC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Fail Trip The Turbine Required For 30 Second Main Steam Valves.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 202 of 247

SYSTEM: U3 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
XK-99/U3(XKT-801/U3) EHC SYSTEM MASTER TRIP RELAY	OEE-321-03 Rev 2	GENERAL-ELECTRIC CR120 3EHC1	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Fail Trip The Turbine Required For 30 Second Main Steam Valves.</i>			
3PS157AB/PS101 LOW HYDRAULIC PRESSURE SWITCH	OEE-321-05 Rev 5	BARKSDALE B2T-A32SS 3EHCPP	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3PS433/U3 HYDRAULIC PRESSURE SWITCH	OEE-321-05 Rev 5	CUSTOM CONTROL 646GZE 7-7011M 3TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3PS434/U3 HYDRAULIC PRESSURE SWITCH	OEE-321-05 Rev 5	CUSTOM CONTROL 646GZE 7-7011M 3TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3TOPS0183(PS16-A) FWPT 3A BEARING OIL PRESS LOW	OEE-346-02 Rev 6	SQUARE D 9013-GHG-2 3A TBOX EH	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3TOPS0199(PS16-A) FWPT 3B BEARING OIL PRESS LOW	OEE-346-03 Rev 5	SQUARE D 9013-GHG-2 3A TBOX EH	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
62-C1/U3 LOSS OF STATOR COOLANT SWITCH	OEE-321-05 Rev 5	AGASTAT 2412PF 3SCWP	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
62-C3/U3 LOSS OF STATOR COOLANT SWITCH	OEE-321-05 Rev 5	AGASTAT 2412PE 3SCWP	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS104A/U3(3PS160-61-A) VACUUM SWITCH FOR CONDENSER "A"	OEE-321-05 Rev 5	BARKSDALE D2H-M18 3CCD000A	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS104B/U3(3PS160-61-B) VACUUM SWITCH FOR CONDENSER "A"	OEE-321-05 Rev 5	BARKSDALE D2H-M18 3CCD000A	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 203 of 247

SYSTEM: U3 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
PS105A/U3(3PS162-63-A) VACUUM SWITCH FOR CONDENSER "B"	OEE-321-05 Rev 5	BARKSDALE D2H-M18 3CCD000B	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS105B/U3(3PS162-63-B) VACUUM SWITCH FOR CONDENSER "B"	OEE-321-05 Rev 5	BARKSDALE D2H-M18 3CCD000B	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS106A/U3(3PS164-65-A) VACUUM SWITCH FOR CONDENSER "C"	OEE-321-05 Rev 5	BARKSDALE D2H-M18 3CCD000C	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS106B/U3(3PS164-65-B) VACUUM SWITCH FOR CONDENSER "C"	OEE-321-05 Rev 5	BARKSDALE D2H-M18 3CCD000C	CA TB 775
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS109/U3 SHAFT PUMP DISCHARGE PRESSURE SWITCH	OEE-321-05 Rev 5	PENN P72CA-8 TURBINE OIL TANK	CA TB
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2A/U3 LOOP 2A SIGNAL MONITOR CARD (SS11A-LS3)	OM 2201-H-89 Rev DF	BAILEY CONTROLS 6613303-1 3ICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
2B/U3 LOOP 2B SIGNAL MONITOR CARD (SS11B-LS3)	OM 2201-H-89 Rev DF	BAILEY CONTROLS 6613303-1 3ICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3A/U3 LOOP 3A SIGNAL MONITOR CARD (SS11A-LS4)	OM 2201-H-89 Rev DF	BAILEY CONTROLS 6613303-1 3ICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3B/U3 LOOP 3B SIGNAL MONITOR CARD (SS11B-LS4)	OM 2201-H-89 Rev DF	BAILEY CONTROLS 6613303-1 3ICS	CA AB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
3FDWLT008A LOOP 2A STEAM GENERATOR OPERATE LEVEL TRANSMITTER	OM 2201-H-89 Rev DF	ROSEMOUNT 1151DP 3FDWLT008A	NV RB
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 204 of 247

SYSTEM: U3 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3FDWLT010A LOOP 2B STEAM GENERATOR OPERATE LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-89 Rev DF	ROSEMOUNT 1151DP 3FDWLT010A	NV RB
3FDWLT051A LOOP 3A STEAM GENERATOR OPERATE LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-89 Rev DF	ROSEMOUNT 1151DP 3FDWLT051A	NV RB
3FDWLT052A LOOP 3B STEAM GENERATOR OPERATE LEVEL TRANSMITTER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-H-89 Rev DF	ROSEMOUNT 1151DP 3FDWLT052A	NV RB
3SGLCX OTSG HI-HI LEVEL AUX RELAY <i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-321-05-A Rev 0	STRUTHERS-DUNN 219BBXP 3EHTC2	CA AB 809
KT107/U3 LOW HYDRAULIC PRESSURE RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-321-05 Rev 5	CLARE HGSM5001 3EHC1	CA AB 809
KT114/U3 SHAFT PUMP DISCHARGE LOW PRESSURE TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-321-05 Rev 5	CLARE HGSM5001 3EHC1	CA AB 809
KT201/U3 VACUUM TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-321-05 Rev 5	CLARE HGSM5001 3EHC1	CA AB 809
KT303/U3 LOSS OF STATOR COOLANT TRIP RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-321-05 Rev 5	CLARE HGSM5001 3EHC1	CA AB 809
KT805/U3 GEN LOCK-OUT/LOSS OF BOTH FWP/HI-HI OTSG LEVEL RELAY <i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-321-05-A Rev 0	CLARE HGSM5001 3EHC1	CA AB 809
RE7/U3 TURBINE TRIP AUX RELAY <i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>	OEE-346-02 Rev 6	STRUTHERS-DUNN 219DXBP 3VB3	CA AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Main Turbine

SUB SYSTEM: Controls

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

Chatter Evaluation

RE8/U3 TURBINE TRIP AUX RELAY	OEE-346-03 Rev 5	STRUTHERS-DUNN 219DXBP 3VB3	CA AB 822
----------------------------------	------------------	-----------------------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

UVRA/U3 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-321-05 Rev 5	AGASTAT 7024 PB 3EHC1	CA AB 809
--	------------------	-----------------------------	-----------------

Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

3DIA-07/MCB 125V PPB 3DIA BKR 07 (TURB CNTLS AUX TRIP CKT)	OEE-321-05 Rev 5	ITE EH2 (20 A) 3DIA/PPB	NV AB 809
--	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3PS155-1B/PS100-A PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	OEE-321-06 Rev 3	GENERAL-ELECTRIC CR-127 408AM 3TG	CA TB 822
--	------------------	---	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

3PS156-1B/PS100-B PRESSURE SWITCH (EMERGENCY TRIP SYSTEM)	OEE-321-06 Rev 3	GENERAL-ELECTRIC CR-127 408AM 3TG	CA TB 822
--	------------------	---	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

EHT-2/U3 EXHAUST HOOD TEMPERATURE SWITCH	OEE-321-06 Rev 3	BURLING VD-2S 3TG	CA TB 822
---	------------------	-------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

EHT-4/U3 EXHAUST HOOD TEMPERATURE SWITCH	OEE-321-06 Rev 3	BURLING VD-2S 3TG	CA TB 822
---	------------------	-------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

EHT-6/U3 EXHAUST HOOD TEMPERATURE SWITCH	OEE-321-06 Rev 3	BURLING VD-2S 3TG	CA TB 822
---	------------------	-------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

MS-HLT-1/U3 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-321-06 Rev 3	MAGNETROL 402 3TG	CA TB 796
--	------------------	-------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

MS-HLT-2/U3 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-321-06 Rev 3	MAGNETROL 402 3TG	CA TB 796
--	------------------	-------------------------	-----------------

CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
MS-HLT-3/U3 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-321-06 Rev 3	MAGNETROL 402 3TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
MS-HLT-4/U3 MOISTURE SEPARATOR DRAIN TANK LEVEL SWITCH	OEE-321-06 Rev 3	MAGNETROL 402 3TG	CA TB 796
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT106/U3 EMERGENCY TRIP SYSTEM RELAY	OEE-321-06 Rev 3	CLARE HGSM5001 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT301/U3 EXHAUST HOOD TEMPERATURE TRIP RELAY	OEE-321-06 Rev 3	CLARE HGSM5001 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
KT601/U3 MOISTURE SEPARATOR HIGH LEVEL TRIP RELAY	OEE-321-06 Rev 3	CLARE HGSM5001 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
UVRB/U3 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-321-06 Rev 3	AGASTAT 7024 PB 3EHC1	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS11/U3(3PS135) PRESSURE SWITCH FOR THRUST BEARING WEAR DETECTOR	OEE-321-07 Rev 3	GENERAL-ELECTRIC 127B5 3TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS12/U3(3PS136) PRESSURE SWITCH FOR THRUST BEARING WEAR DETECTOR	OEE-321-07 Rev 3	GENERAL-ELECTRIC 127B5 3TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS11/U3 THRUST BEARING WEAR DETECTOR SWITCH TURBINE END	OEE-321-07 Rev 3	GENERAL-ELECTRIC 125C6475 3TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS12/U3 THRUST BEARING WEAR DETECTOR SWITCH GENERATOR END	OEE-321-07 Rev 3	GENERAL-ELECTRIC 125C6475 3TG	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Main Turbine

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
K1/U3(TWE) THRUST BEARING WEAR DETECTOR TEST TIMER	OEE-321-07 Rev 3	AGASTAT 2422PC 3TWE	CA TB 822
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS11X/U3 THRUST BEARING WEAR DETECTOR RELAY	OEE-321-07 Rev 3	CUTLER-HAMMER D26MB 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
PS12X/U3 THRUST BEARING WEAR DETECTOR RELAY	OEE-321-07 Rev 3	CUTLER-HAMMER D26MB 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS11X/U3 THRUST BEARING WEAR DETECTOR AUX RELAY	OEE-321-07 Rev 3	CUTLER-HAMMER TYPE M 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
TWS12X/U3 THRUST BEARING WEAR DETECTOR AUX RELAY	OEE-321-07 Rev 3	CUTLER-HAMMER TYPE M 3EHC1	CA AB 809
<i>CA - Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			
UVRC/U3 RELAY FOR LOSS OF 125V DC TO TURBINE TRIP CIRCUITS	OEE-321-07 Rev 3	AGASTAT 7024 PB 3EHC1	CA AB 809
<i>Rugged Relay Whose Contact Is Parallel With Contacts Normally Used To Trip The Turbine And Cannot Block Turbine Trip.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Main Turbine**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3VVA0186

COND VACUUM BREAKER

3XA-R03A/(3V-186)/MS 208V MCC 3XA-R03A STARTER (3V-186)	OEE-321-10 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
--	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XA-R03A/(3V-186)/MCB 208V MCC 3XA BKR R03A (3V-186)	OEE-321-10 Rev 2	GENERAL-ELECTRIC TEC (18/90 A) 3XA	NV TB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3SSHVA0001

STEAM SEAL HEADER ISOLATION

3XA-R02A/(3SSH-1)/MS 208V MCC 3XA-R02A STARTER (3SSH-01)	OEE-321-11 Rev 3	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
---	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XA-R02A/(3SSH-1)/MCB 208V MCC 3XA-R02A BKR (3SSH-01)	OEE-321-11 Rev 3	GENERAL-ELECTRIC TEC (18/90 A) 3XA	NV TB 796
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3SSHVA0003

STEAM SEAL HEADER ISOLATION

3XA-R02B/(3SSH-3)/MS 208V MCC 3XA-R02B STARTER (3SSH-03)	OEE-321-12 Rev 5	CLARK BUL 6030 CY-1 (H1) 3XA	EVAL (MCC QUAL) TB 796
---	------------------	------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XA-R02B/(3SSH-3)/MCB 208V MCC 3XA-R02B BKR (3SSH-03)	OEE-321-12 Rev 5	GENERAL-ELECTRIC TEC (18/90 A) 3XA	NV TB 796
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 209 of 247

SYSTEM: **U3 Nuclear Instrumentation**SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI1-NI/U3 SOURCE RANGE CHANNEL NI-1 INDICATOR	OM 2201-K Series Rev N/A	DIXSON SH202AXYX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-1/PREAMP/U3 NI PREAMPLIFIER NI-1	OM 2201-K Series Rev N/A	GAMMA-METRICS 900218 3NI	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-1/SENS/U3 NI CHANNEL SENSOR NI-1	OM 2201-K Series Rev N/A	GAMMA-METRICS 900217-101 3NI	NV RB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI1-IEA/U3 NI-1 ISOLATION EXPANSION ASSEMBLY	OM 2201-K Series Rev N/A	GAMMA-METRICS 900220-101 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI1-WRMA/U3 NI-1 WIDE RANGE MONITOR ASSEMBLY	OM 2201-K Series Rev N/A	GAMMA-METRICS 900219-101 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIA-09/MCB 120V PPB 3KVIA BKR 09 (EXCORE NI)	O-2705 Rev 49	ITE QP1 (20 A) 3KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI2-NI/U3 SOURCE RANGE CHANNEL NI-2 INDICATOR	OM 2201-K Series Rev N/A	DIXSON SG202AXYX-4/20MADC 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-2/PREAMP/U3 NI PREAMPLIFIER NI-2	OM 2201-K Series Rev N/A	GAMMA-METRICS 900218 3NI	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-2/SENS/U3 NI CHANNEL SENSOR NI-2	OM 2201-K Series Rev N/A	GAMMA-METRICS 900217-101 3NI	NV RB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI2-IEA/U3 NI-2 ISOLATION EXPANSION ASSEMBLY	OM 2201-K Series Rev N/A	GAMMA-METRICS 900220-101 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

NI2-WRMA/U3 NI-2 WIDE RANGE MONITOR ASSEMBLY	OM 2201-K Series Rev N/A	GAMMA-METRICS 900219-101 3RPS	NV AB 822
---	--------------------------	-------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVIB-15/MCB 120V PPB 3KVIB BKR 15 (NI MOD PWR)	O-2705 Rev 49	ITE QP1 (20 A) 3KVIB	NV AB 809
--	---------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

NI3-NI/U3 SOURCE RANGE NI-3 INDICATOR	OM 2201-K Series Rev N/A	DIXSON SH202AXYX 3UB1	NV AB 822
---	--------------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

NI-3/PREAMP/U3 NI PREAMPLIFIER NI-3	OM 2201-K Series Rev N/A	GAMMA-METRICS 900218 3NI	NV AB 796
--	--------------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

NI-3/SENS/U3 NI CHANNEL SENSOR NI-3	OM 2201-K Series Rev N/A	GAMMA-METRICS 900217-101 3NI	NV AB 796
--	--------------------------	------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

NI3-IEA/U3 NI-3 ISOLATION EXPANSION ASSEMBLY	OM 2201-K Series Rev N/A	GAMMA-METRICS 900220-101 3RPS	NV AB 822
---	--------------------------	-------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

NI3-WRMA/U3 NI-3 WIDE RANGE MONITOR ASSEMBLY	OM 2201-K Series Rev N/A	GAMMA-METRICS 900219-101 3RPS	NV AB 822
---	--------------------------	-------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3KVIC-16/MCB 120V PPB 3KVIC BKR 16 (NI MOD PWR)	O-2705 Rev 49	ITE QP1 (20 A) 3KVIC	NV AB 809
--	---------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

NI4-NI/U3 SOURCE RANGE NI-4 INDICATOR	OM 2201-K Series Rev N/A	DIXSON SG202AXYX-4/20MADC 3UB1	NV AB 822
---	--------------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

NI-4/PREAMP/U3 NI PREAMPLIFIER NI-4	OM 2201-K Series Rev N/A	GAMMA-METRICS 900218 3NI	NV AB 796
--	--------------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 211 of 247

SYSTEM: U3 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI-4/SENS/U3 NI CHANNEL SENSOR NI-4 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	GAMMA-METRICS 900217-101 3NI	NV RB 796
NI4-IEA/U3 NI-4 ISOLATION EXPANSION ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	GAMMA-METRICS 900220-101 3RPS	NV AB 822
NI4-WRMA/U3 NI-4 WIDE RANGE MONITOR ASSEMBLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	GAMMA-METRICS 900219-101 3RPS	NV AB 822
3KVID-16/MCB 120V PPB 3KVID BKR 16 (NI MOD PWR) <i>NV - Not Vulnerable To Contact Chatter.</i>	O-2705 Rev 49	ITE QP1 (20 A) 3KVID	NV AB 809
NI5-NI/U3 NI-5 WR RANGE INDICATOR <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	DIXSON SH202AXTX 3UB1	NV AB 822
NI-5/SENS/U3 NI CHANNEL SENSOR NI-5 <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	WESTINGHOUSE WL23636 3NI	NV RB 796
NI5-LA/LOWER/U3 NI-5 LINEAR AMPLIFIER LOWER ION CHAMBER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
NI5-LA/UPPER/U3 NI-5 LINEAR AMPLIFIER UPPER ION CHAMBER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
NI5-PRTC/U3 NI-5 PWR RANGE TEST CIRCUIT <i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625215 3RPS	CA AB 822
NI5-SA/U3 NI-5 SUMMING AMPLIFIER <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625202 3RPS	NV AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 212 of 247

SYSTEM: U3 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI5-DETPS/U3 NI-5 DETECTOR PWR SUPP	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621600 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIA-01/MCB 120V PPB 3KVIA BKR 01 (NI/RPS CH A PWR)	O-2705 Rev 49	ITE QP1 (20 A) 3KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-NI/U3 NI-6 PWR RANGE INDICATOR	OM 2201-K Series Rev N/A	DIXSON SH202AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-6/SENS/U3 NI CHANNEL SENSOR NI-6	OM 2201-K Series Rev N/A	WESTINGHOUSE WL23636 3NI	NV RB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-LA/LOWER/U3 NI-6 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-LA/UPPER/U3 NI-6 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-PRTC/U3 NI-6 PWR RANGE TEST CIRCUIT	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625215 3RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI6-SA/U3 NI-6 SUMMING AMPLIFIER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625202 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI6-DETPS/U3 NI-6 DETECTOR PWR SUPP	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621600 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIB-01/MCB 120V PPB 3KVIB BKR 01 (NI/RPS CH B PWR)	O-2705 Rev 49	ITE QP1 (20 A) 3KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 213 of 247

SYSTEM: U3 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI7-NI/U3 NI-7 PWR RANGE INDICATOR	OM 2201-K Series Rev N/A	DIXSON SH202AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-7/SENS/U3 NI CHANNEL SENSOR NI-7	OM 2201-K Series Rev N/A	WESTINGHOUSE WL23636 3NI	NV RB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-LA/LOWER/U3 NI-7 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-LA/UPPER/U3 NI-7 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-PRTC/U3 NI-7 PWR RANGE TEST CIRCUIT	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625215 3RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI7-SA/U3 NI-7 SUMMING AMPLIFIER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625202 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI7-DETPS/U3 NI-7 DETECTOR PWR SUPP	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621600 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIC-01/MCB 120V PPB 3KVIC BKR 01 (NI/RPS CH C PWR)	O-2705 Rev 49	ITE QP1 (20 A) 3KVIC	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-NI/U3 NI-8 PWR RANGE INDICATOR	OM 2201-K Series Rev N/A	DIXSON SH202AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI-8/SENS/U3 NI CHANNEL SENSOR NI-8	OM 2201-K Series Rev N/A	WESTINGHOUSE WL23636 3NI	NV RB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Nuclear Instrumentation

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
NI8-LA/LOWER/U3 NI-8 LINEAR AMPLIFIER LOWER ION CHAMBER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-LA/UPPER/U3 NI-8 LINEAR AMPLIFIER UPPER ION CHAMBER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621720 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-PRTC/U3 NI-8 PWR RANGE TEST CIRCUIT	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625215 3RPS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
NI8-SA/U3 NI-8 SUMMING AMPLIFIER	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6625202 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
NI8-DETPS/U3 NI-8 DETECTOR PWR SUPP	OM 2201-K Series Rev N/A	BAILEY CONTROLS 6621600 3RPS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVID-01/MCB 120V PPB 3KVID BKR 01 (NI/RPS CH D PWR)	O-2705 Rev 49	ITE QP1 (20 A) 3KVID	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Operation Control Transfer To SSF

SUB SYSTEM: Controls

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
GA SSF XFER RLY (3HP-20)	OEE-363-01 Rev 1	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
GB SSF XFER RLY (3HP-4)	OEE-363-01 Rev 1	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
GC SSF XFER RLY (3HP-3)	OEE-363-01 Rev 1	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
NA SSF XFER RLY (3RC-4)	OEE-363-01 Rev 1	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PA SSF XFER RLY (3RC-5)	OEE-363-01-B Rev 0	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PB SSF XFER RLY (3RC-6)	OEE-363-01-B Rev 0	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PE SSF XFER RLY (PZR HTRS)	OEE-363-01 Rev 1	CUTLER-HAMMER D26MR804A SSF/IC2	CA SSF 797
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
KSFC-01/MCB/U3 120V PPB KSFC BKR 01 (SSF XFER U3 CONT PWR)	OEE-363-01 Rev 1	GENERAL-ELECTRIC TED (20 A) KSFC	NV SSF 777

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Penetration Rm Ventilation

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3PRVA0007

RB HYDROGEN PURGE INLET

3CR-11(3PR-7)(PR-V7)(3ES-1) 3PR-7 ESFAS INTERFACE RLY	OEE-358-07 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
--	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-08(3PR-7)(PR-V7)(3ES-1) 3PR-7 CONTROL RLY	OEE-358-07 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
--	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-09(3PR-7)(PR-V7)(3ES-1) 3PR-7 CONTROL RLY	OEE-358-07 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	GERS-RLY-AI2.4 AB 809
--	------------------	-------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

RO(3PR-7)(PR-V7)(3ES-1) RO RLY (3PR-7)	OEE-358-07 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
---	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS1-R05A/(3PR-7)/MS 208V MCC 3XS1-R05A STARTER (3PR-7)	OEE-358-07 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-R05A/(3PR-7)/MCB 208V MCC 3XS1 BKR R05A (3PR-7)	OEE-358-07 Rev 3	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3PRVA0008

RB HYDROGEN PURGE INLET

3CR-12(3PR-8)(PR-V8)(3ES-2) 3PR-8 ESFAS INTERFACE RLY	OEE-358-08 Rev 5	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
--	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-10(3PR-8)(PR-V8)(3ES-2) 3PR-8 CONTROL RLY	OEE-358-08 Rev 5	CUTLER-HAMMER D23MRD30A1 3ESTC2	GERS-RLY-AI2.4 AB 809
--	------------------	---------------------------------------	-----------------------------

GERS - Seismically Adequate Per GERS.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Penetration Rm Ventilation

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(3PR-8)(PR-V8)(3ES-2) RO RLY (3PR-8)	OEE-358-08 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3DIB-25/(3PR-8)/MCB 125V PPB 3DIB BKR 25 (3PR-8)	OEE-358-08 Rev 5	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3PRVA0009			
RB HYDROGEN PURGE OUTLET			
3CR-13(3PR-9)(PR-V9)(3ES-1) 3PR-9 ESFAS INTERFACE RLY	OEE-358-10 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-11(3PR-9)(PR-V9)(3ES-1) 3PR-9 CONTROL RLY	OEE-358-10 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
3RX-12(3PR-9)(PR-V9)(3ES-1) 3PR-9 CONTROL RLY	OEE-358-10 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3PR-9)(PR-V9)(3ES-1) RO RLY (3PR-9)	OEE-358-10 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XS1-R05B/(3PR-9)/MS 208V MCC 3XS1-R05B STARTER (3PR-9)	OEE-358-10 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS1-R05B/(3PR-9)/MCB 208V MCC 3XS1 BKR R05B (3PR-9)	OEE-358-10 Rev 3	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3PRVA0010			
RB HYDROGEN PURGE OUTLET			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 218 of 247

SYSTEM: U3 Penetration Rm Ventilation

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3CR-14(3PR-10)(PR-V10)(3ES-2) 3PR-10 ESFAS INTERFACE RLY	OEE-358-09 Rev 4	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-13(3PR-10)(PR-V10)(3ES-2) 3PR-10 CONTROL RLY	OEE-358-09 Rev 4	CUTLER-HAMMER D23MRD30A1 3ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(3PR-10)(PR-V10)(3ES-2) RO RLY (3PR-10)	OEE-358-09 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3DIB-25/(3PR-10)/MCB 125V PPB 3DIB BKR 25 (3PR-10)	OEE-358-09 Rev 4	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3PRVA0059			
RB HYDROGEN PURGE INLET			
3XI-01BB/(RSC-3PR-59)/MS 600V MCC 3XI-01BB REMOTE STARTER (3PR-59)	OEE-358-20 Rev 1	GTE-SYLVANIA BUL 6040 TM 3RSC-3PR-59/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XI-01BB/(PRREMOTESTARTERS)/MCB 600V MCC 3XI BKR 01BB (3PR-59)	OEE-358-20 Rev 1	GENERAL-ELECTRIC THED (30 A) 3XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3PRVA0060			
RB HYDROGEN PURGE OUTLET			
3XJ-01BT/(RSC-3PR-60)/MS 600V MCC 3XJ-01BT REMOTE STARTER (3PR-60)	OEE-358-21 Rev 2	GTE-SYLVANIA BUL 6040 TM 3RSC-3PR-60/ENCL	EVAL (OSC-6642) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XJ-01BT/(PRREMOTESTARTERS)/MCB 600V MCC 3XJ BKR 01BT (3PR-60)	OEE-358-21 Rev 2	GENERAL-ELECTRIC THED (30 A) 3XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Post Accident Monitoring**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3PAMP0304 RB Containment Water Level Train A Indication <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	WESTINGHOUSE VX-252 3UB1	NV AB 822
3PAMLT0090 RB Containment Water Level Train A <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	DELAVAL GEMS-TL1 3PAMLT0090	NV RB 777'+6"
3PAMLT0090/RCVR RB Containment Water Level Train A Receiver <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	DELAVAL GEMS-TL1 3UB1	NV AB 822
3SKJ-10/MCB(3PAMP0304) 120V PPB 3SKJ BKR 10 (3PAMP0304) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	SQUARE-D QOB (20 A) 3SKJ	NV AB 809
3PAMP0305 RB Containment Water Level Train B Indication <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	WESTINGHOUSE VX-252 3UB1	NV AB 822
3PAMLT0091 RB Containment Water Level Train B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	DELAVAL GEMS-TL1 3PAMLT0091	NV RB 777'+6"
3PAMLT0091/RCVR RB Containment Water Level Train B Receiver <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	DELAVAL GEMS-TL1 3UB1	NV AB 822
3SKK-10/MCB(3PAMP0305) 120V PPB 3SKK BKR 10 (3PAMP0305) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-358-22 Rev 1	SQUARE-D QOB (20 A) 3SKK	NV AB 809

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 220 of 247

SYSTEM: U3 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group B

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RC3/PS5 RC PRESS INTERLOCK FROM ICS	OEE-349-10-A Rev 2	BAILEY CONTROLS 6613303-1 3ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RK-2/U3 PZR HTR CURRENT ALARM MODULE	OEE-349-10 Rev 13	ROCHESTER INSTRUMENTS ET-1215-T2-HI-T4-P11 IC1/IC2/MEC	CA SSF 797
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
183/BHA-2/U3 ICS AUTO SELECT RLY	OM 2201-H-84 Rev DE	BAILEY CONTROLS 6614306-1 3ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
183/BHO-2/U3 ICS ON SELECT RLY	OM 2201-H-84 Rev DE	BAILEY CONTROLS 6614306-1 3ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
183/PLL/U3 PRESS LOW LEVEL RLY	OM 2201-H-83 Rev DE	BAILEY CONTROLS 6614306-1 3ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
27/HI-RC/PH/U3 ICS UV RLY	OM-2201-H-85 Rev DD	BAILEY CONTROLS 6614306-1 3ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
359G PZR HTR GROUND RLY (PZR HTR BANK 2 GROUP B)	OEE-349-10 Rev 13	WESTINGHOUSE CV-8 (183A205A15) PHC/SSF	CNA SSF 777
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Block Operation Of The Pressurizer Heaters.</i>			
3PHRX PZR HTR GROUND AUX RLY	OEE-349-10 Rev 13	CUTLER-HAMMER D26MR40A PHC/SSF	GERS-RLY-AI2.4 SSF 777
<i>GERS - Seismically Adequate Per GERS.</i>			
3RX-24/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B)	OEE-349-10-A Rev 2	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3RX-25/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B)	OEE-349-10 Rev 13	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group B**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RX-26/PH PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B) <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-349-10-A Rev 2	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
3TDR-9 PZR HTR CONTROL TIMER (PZR HTR BANK 2 GROUP B) <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-349-10-A Rev 2	CUTLER-HAMMER D23MR20A/D87ME30A2 PHC/SSF	CA SSF 777
3TDRX-9 PZR HTR CONTROL RLY <i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-349-10 Rev 13	CUTLER-HAMMER D23MR40A PHC/SSF	CA SSF 777
CR42-9/U3 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP B) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-349-10-A Rev 2	CLARK 5U2-PM 3XSF(600V)	CA SSF 817
3XSF-F03B(600V)/(M42-9)/MS 600V MCC 3XSF-F03B STARTER (PZR HTR BANK 2 GROUP B) <i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>	OEE-349-10 Rev 13	GTE-SYLVANIA BUL 6220 3XSF(600V)	CA SSF 817
3XSF-F03B(600V)/(M42-9)/MCB 600V MCC 3XSF BKR F03B (PZR HTR BANK 2 GROUP B) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-349-10 Rev 13	GENERAL-ELECTRIC TFJ (150 A) 3XSF(600V)	NV SSF 817
52/GRP3B PZR HTR GROUP 3B MAIN BKR <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-349-10 Rev 13	GENERAL-ELECTRIC TFJ (225 A) 3B	NV RB 818
52/LB-07/U3 PZR HTR BKR BANK 2 GROUP 3B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-349-10 Rev 13	GENERAL-ELECTRIC THEF6 (70 A) 3B	NV RB 818
52/LB-08/U3 PZR HTR BKR BANK 2 GROUP 3B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-349-10 Rev 13	GENERAL-ELECTRIC THEF6 (70 A) 3B	NV RB 818
52/LB-09/U3 PZR HTR BKR BANK 2 GROUP 3B <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-349-10 Rev 13	GENERAL-ELECTRIC THEF6 (70 A) 3B	NV RB 818

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group C**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TDR-8 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP C)	OEE-349-12 Rev 7	CUTLER-HAMMER D23MR20A 3XI	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3TDRX-8 PZR HTR CONTROL RLY	OEE-349-12 Rev 7	CUTLER-HAMMER D23MR40A 3XI	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
50G(3XI-02A) PZR HTR GROUND OC RLY (PZR HTR BANK 2 GROUP C)	OEE-349-12 Rev 7	ITE GR-5 3XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
CR42-8/U3 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP C)	OEE-349-12 Rev 7	CLARK BUL 7305, 5U4 PM 3XI	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PHRX/RX-8/U3 PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP C)	OEE-349-12 Rev 7	CLARK XSU5-3 PM 3XI	EVAL (DPC-1393.00-00-0013) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XI-02A/(M42-8)/MS 600V MCC 3XI-02A STARTER (PZR HTR BANK 2 GROUP C)	OEE-349-12 Rev 7	CLARK BUL 6220 3XI	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XI-02A/(M42-8)/MCB 600V MCC 3XI BKR 02A (PZR HTR BANK 2 GROUP C)	OEE-349-12 Rev 7	GENERAL-ELECTRIC TFJ (200 A) 3XI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/GRP3C PZR HTR GROUP 3C MAIN BKR	OEE-349-12 Rev 7	GENERAL-ELECTRIC TFJ (225 A) 3C	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-03/U3 PZR HTR BKR BANK 2 GROUP 3C	OEE-349-12 Rev 7	GENERAL-ELECTRIC THEF6 (70 A) 3C	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-05/U3 PZR HTR BKR BANK 2 GROUP 3C	OEE-349-12 Rev 7	GENERAL-ELECTRIC THEF6 (70 A) 3C	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group C**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

52/LB-06/U3 PZR HTR BKR BANK 2 GROUP 3C	OEE-349-12 Rev 7	GENERAL-ELECTRIC THEF6 (70 A) 3C	NV RB 818
--	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 224 of 247

SYSTEM: U3 Pressurizer Heaters

SUB SYSTEM: Bank 2 Group D

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3TDR-7 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP D)	OEE-349-11 Rev 11	CUTLER-HAMMER D23MR20A PHC/SSF	CA SSF 777
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3TDRX-7 PZR HTR CONTROL RLY	OEE-349-11 Rev 11	CUTLER-HAMMER D23MR40A 3XJ	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
50G(3XJ-02A) PZR HTR GROUND OC RLY (PZR HTR BANK 2 GROUP D)	OEE-349-11 Rev 11	ITE GR-5 3XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
CR42-7/U3 PZR HTR CONTROL RLY (PZR HTR BANK 2 GROUP D)	OEE-349-11 Rev 11	CLARK BUL 7305, 5U4 PM 3XJ	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
PHRX/RX-7/U3 PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP D)	OEE-349-11 Rev 11	CLARK X5U5-3 PM 3XJ	EVAL (DPC-1393.00-00-0013) AB 809
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XJ-02A/(M42-7)/MS 600V MCC 3XJ-02A STARTER (PZR HTR BANK 2 GROUP D)	OEE-349-11 Rev 11	CLARK BUL 6220 3XJ	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XJ-02A/(M42-7)/MCB 600V MCC 3XJ BKR 02A (PZR HTR BANK 2 GROUP D)	OEE-349-11 Rev 11	GENERAL-ELECTRIC TFJ (200 A) 3XJ	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/GRP3D PZR HTR GROUP 3D MAIN BKR	OEE-349-11 Rev 11	GENERAL-ELECTRIC TFJ (225 A) 3D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-01/U3 PZR HTR BKR BANK 2 GROUP 3D	OEE-349-11 Rev 11	GENERAL-ELECTRIC THEF6 (70 A) 3D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			
52/LB-02/U3 PZR HTR BKR BANK 2 GROUP 3D	OEE-349-11 Rev 11	GENERAL-ELECTRIC THEF6 (70 A) 3D	NV RB 818
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Pressurizer Heaters**

SUB SYSTEM: **Bank 2 Group D**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

52/MB-12/U3 PZR HTR BKR BANK 2 GROUP 3D	OEE-349-11 Rev 11	GENERAL-ELECTRIC THEF6 (70 A) 3D	NV RB 818
--	-------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

52/MB-13/U3 PZR HTR BKR BANK 2 GROUP 3D	OEE-349-11 Rev 11	GENERAL-ELECTRIC THEF6 (70 A) 3D	NV RB 818
--	-------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 226 of 247

SYSTEM: U3 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RBCAH0020A RBCU FAN 3A	OEE-338-15 Rev 6	JOY 66-30-1170 3RBCAH0020A	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X08-06C 600V LC 3X08 BKR 06C (RBCU 3A FAN)	OEE-338-15 Rev 6	ITE K600 (600 A) 3X08	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3AHRX RBCU 3A HIGH SPEED TIME DELAY RLY	OEE-338-15 Rev 6	CUTLER-HAMMER D23MR80A/D26MF 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3ALRX RBCU 3A LOW SPEED CONTROL RLY	OEE-338-15 Rev 6	CUTLER-HAMMER D23MR80A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CR-64(RBCU-3A)(RBCU-3A)(3ES-5) RBCU 3A ESFAS INTERFACE RLY	OEE-338-15 Rev 6	CUTLER-HAMMER D23MR80A 3ESTC1	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
HI-TD/RBCU-3A RBCU 3A HIGH SPEED TIMER RLY	OEE-338-15 Rev 6	AGASTAT 7022 AB 3ESTC1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-3A RBCU 3A LOW SPEED TIMER RLY	OEE-338-15 Rev 6	AGASTAT 7022 AB 3ESTC1	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
R1/U3 RBCU 3A CONTROL RLY	OEE-338-15 Rev 6	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-3A)(3ES-5) RO RLY (RBCU 3A)	OEE-338-15 Rev 6	BAILEY CONTROLS 6623990 3ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
TR1/U3 RBCU 3A CONTROL RLY	OEE-338-15 Rev 6	CUTLER-HAMMER D23MR40A/D87ME30A2 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Reactor Building Cooling**

SUB SYSTEM: **Air Handling Units**

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
<i>Chatter Evaluation</i>			
3XS1-F01A/(RBCUFAN3A)/MS 600V MCC 3XS1-F01A STARTER (RBCU FAN 3A)	OEE-338-15 Rev 6	CLARK BUL 6013 TM (D5A) 3XS1	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XS1-F01A/(RBCUFAN3A)/MCB 600V MCC 3XS1 BKR F01A (RBCU FAN 3A FED FROM LC 3X8-06C)	OEE-338-15 Rev 6	GENERAL-ELECTRIC TJJ (300 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RBCDA000A RBC DAMPER 3A	OEE-338-16 Rev 1	GAMEWELL MECH. NOT FOUND 3RBCDA000A	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XS1-R05D/(RBCUFAN3ADAMPER)/MS 208V MCC 3XS1-R05D STARTER (RBCU FAN 3A DAMPER)	OEE-338-16 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS1-R05D/(RBCUFAN3ADAMPER)/MCB 208V MCC 3XS1 BKR R05D (RBCU FAN 3A DAMPER)	OEE-338-16 Rev 1	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RBCAH0020B RBCU FAN 3B	OEE-338-18 Rev 4	JOY 66-30-1170 3RBCAH0020B	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3BHRX RBCU 3B HIGH SPEED TIME DELAY RLY	OEE-338-18 Rev 4	CUTLER-HAMMER D23MR80A/D23MF 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3BLRX RBCU 3B LOW SPEED CONTROL RLY	OEE-338-18 Rev 4	CUTLER-HAMMER D23MR80A 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CR-69(RBCU-3B)(3ES-5) RBCU 3B ESFAS INTERFACE RLY	OEE-338-18 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
3CR-70(RBCU-3B)(3ES-6) RBCU 3B ESFAS INTERFACE RLY	OEE-338-18 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 228 of 247

SYSTEM: U3 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
HI-TD/RBCU-3B RBCU 3B HIGH SPEED TIMER RLY	OEE-338-18 Rev 4	AGASTAT 7022 AB 3ESTC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-3B RBCU 3B LOW SPEED TIMER RLY	OEE-338-18 Rev 4	AGASTAT 7022 AB 3ESTC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
R3/U3 RBCU 3B CONTROL RLY	OEE-338-18 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-3B)(3ES-5) RO RLY (RBCU 3B)	OEE-338-18 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
RO(RBCU-3B)(3ES-6) RO RLY (RBCU 3B)	OEE-338-18 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The RBCU To Go To Its Desired Position.</i>			
TR3/U3 RBCU 3B CONTROL RLY	OEE-338-18 Rev 4	CUTLER-HAMMER D23MR40A/D87XEL30 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XS3-01A/(RBCUFAN3B)/MS 600V MCC 3XS3-01A STARTER (RBCU FAN 3B)	OEE-338-18 Rev 4	CLARK BUL 6013 TM (D5A) 3XS3	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XS3-01A/(RBCUFAN3B)/MCB 600V MCC 3XS3 BKR 01A (RBCU FAN 3B)	OEE-338-18 Rev 4	GENERAL-ELECTRIC TJJ (225 A) 3XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RBCDA000B RBC DAMPER 3B	OEE-338-19 Rev 1	GAMEWELL MECH. NOT FOUND 3RBCDA000B	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3ABX RBCU 3A FAN RUN RLY	OEE-338-19 Rev 1	STRUTHERS-DUNN 219ABAP 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 229 of 247

SYSTEM: U3 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CBX RBCU 3C FAN RUN RLY	OEE-338-19 Rev 1	STRUTHERS-DUNN 219ABAP 3ESTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XS3-05E/(RBCUFAN3BDAMPER)/MS 208V MCC 3XS3-05E STARTER (RBCU FAN 3B DAMPER)	OEE-338-19 Rev 1	CLARK BUL 6030 CY-1 (H1) 3XS3	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS3-05E/(RBCUFAN3BDAMPER)/MCB 208V MCC 3XS3 BKR 05E (RBCU FAN 3B DAMPER)	OEE-338-19 Rev 1	GENERAL-ELECTRIC TED (15 A) 3XS3	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RBCAH0020C RBCU FAN 3C	OEE-338-20 Rev 6	JOY 66-30-1170 3RBCAH0020C	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3X09-06C 600V LC 3X09 BKR 06C (RBCU 3C FAN)	OEE-338-20 Rev 6	ITE K600 (600 A) 3X09	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3CHRX RBCU 3C HIGH SPEED CONTROL RLY	OEE-338-20 Rev 6	CUTLER-HAMMER D23MR80A/D23MF 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CLRX RBCU-3C LOW SPEED CONT RLY	OEE-338-20 Rev 6	CUTLER-HAMMER D23MR80A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3CR-72(RBCU-3C)(3ES-6) RBCU 3C ESFAS INTERFACE RLY	OEE-338-20 Rev 6	CUTLER-HAMMER D23MR80A 3ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
HI-TD/RBCU-3C RBCU 3C HIGH SPEED TIMER RLY	OEE-338-20 Rev 6	AGASTAT 7022 AB 3ESTC2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
LO-TD/RBCU-3C RBCU 3C LOW SPEED TIMER RLY	OEE-338-20 Rev 6	AGASTAT 7022 AB 3ESTC2	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 230 of 247

SYSTEM: U3 Reactor Building Cooling

SUB SYSTEM: Air Handling Units

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
R2/U3 RBCU 3C CONTROL RLY	OEE-338-20 Rev 6	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
RO(RBCU-3C)(3ES-6) RO RLY (RBCU 3C)	OEE-338-20 Rev 6	BAILEY CONTROLS 6623990 3ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
TR2/U3 RBCU 3C CONTROL RLY	OEE-338-20 Rev 6	CUTLER-HAMMER D23MR40A/D87XEL30 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XS2-F01A/(RBCUFAN3C)/MS 600V MCC 3XS2-F01A STARTER (RBCU FAN 3C)	OEE-338-20 Rev 6	CLARK BUL 6013 TM (D5A) 3XS2	CA AB 796
<i>CA - Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.</i>			
3XS2-F01A/(RBCUFAN3C)/MCB 600V MCC 3XS2 BKR F01A (RBCU FAN 3C FED FROM LC 3X9-06C)	OEE-338-20 Rev 6	GENERAL-ELECTRIC TJJ (300 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RBCDA000C RBC DAMPER 3C	OEE-338-21 Rev 2	GAMEWELL MECH. NOT FOUND 3RBCDA000C	NV RB 825
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3XS2-R04D/(RBCUFAN3CDAMPER)/MS 208V MCC 3XS2-R04D STARTER (RBCU FAN 3C DAMPER)	OEE-338-21 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-R04D/(RBCUFAN3CDAMPER)/MCB 208V MCC 3XS2 BKR R04D (RBCU FAN 3C DAMPER)	OEE-338-21 Rev 2	GENERAL-ELECTRIC TED (15 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Reactor Building Spray**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RX-04(3BS-2) 3BS-2 CONTROL RLY	OEE-359-04 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			
RO(3BS-2)(BS-V1B)(3ES-8) RO RLY (3BS-2)	OEE-359-04 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	EVAL (OSC-6642) AB 822
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-R04A(3BS-2)/MS 208V MCC 3XS2-R04A STARTER (3BS-2)	OEE-359-04 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-R04A(3BS-2)/MCB 208V MCC 3XS2 BKR R04A (3BS-2)	OEE-359-04 Rev 3	GENERAL-ELECTRIC TED (50 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3BSVA0003 RBS PUMP SUCTION ISOL			
3XS1-R04E/(3BS-3)/MS 208V MCC 3XS1-R04E STARTER (3BS-3)	OEE-359-01 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS1-R04E/(3BS-3)/MCB 208V MCC 3XS1 BKR R04E (3BS-3)	OEE-359-01 Rev 2	GENERAL-ELECTRIC TED (20 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3BSVA0004 RBS PUMP SUCTION ISOL			
3XS2-R01D/(3BS-4)/MS 208V MCC 3XS2-R01D STARTER (3BS-4)	OEE-359-02 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XS2	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS2-R01D/(3BS-4)/MCB 208V MCC 3XS2 BKR R01D (3BS-4)	OEE-359-02 Rev 2	GENERAL-ELECTRIC TED (20 A) 3XS2	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 233 of 247

SYSTEM: U3 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RCP0365 PZR LEVEL INDICATOR	OEE-355-42 Rev 0	DIXSON SA101AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCLT0004P1 PRZ LEVEL TRANSMITTER	OEE-355-42 Rev 0	ROSEMOUNT 1154HP5RB 3RCLT0004P1	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIA-12/MCB(RCP0365) 120V PPB 3KVIA BKR 12 (RCP0365)	OEE-355-41 Rev 0	ITE QP1 (20 A) 3KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCP0367 PZR TEMP INDICATOR	OEE-355-42 Rev 0	DIXSON SA101AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCRD0043A PRZ RTD	OEE-355-42 Rev 0	WEED INSTRUMENT N9261 3RCRD0043A	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIA-12/MCB(RCP0367) 120V PPB 3KVIA BKR 12 (RCP0367)	OEE-355-41 Rev 0	ITE QP1 (20 A) 3KVIA	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCP0368 PZR LEVEL INDICATOR	OEE-355-44 Rev 0	DIXSON SA101AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCLT0004P3 PRZ LEVEL TRANSMITTER	OEE-355-45 Rev 0	ROSEMOUNT 1154HP5RB 3RCLT0004P3	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIB-11/MCB(RCP0368) 120V PPB 3KVIB BKR 11 (RCP0368)	OEE-355-44 Rev 0	ITE QP1 (20 A) 3KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCP0369 PZR TEMP INDICATOR	OEE-355-44 Rev 0	DIXSON SA101AXTX 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 234 of 247

SYSTEM: U3 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RCRD0043B PRZ RTD	OEE-355-45 Rev 0	WEED INSTRUMENT N9261 3RCRD0043B	NV RB 797'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3KVIB-11/MCB(RCP0369) 120V PPB 3KVIB BKR 11 (RCP0369)	OEE-355-44 Rev 0	ITE QPI (20 A) 3KVIB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCP0376 ICCM WR HOT LEG TEMP INDICATION	OEE-350-23 Rev 1	DIGITEC 2820-27 3UB1	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCRD0084B HOT LEG 3A RTD	OEE-355-23 Rev 0	ROSEMOUNT 177GY 3RCRD0084B	NV RB 844'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MT-87(RD84B) WR TEMP SIGNAL CONDITIONER (ICC A)	OEE-355-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 3TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TAL/U3 WR HOTLEG TEMP INDICATION CONTROL RLY	OEE-350-23 Rev 1	SQUARE-D 8501-RS14 3TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
3RCRD0085B HOT LEG 3B RTD	OEE-355-23 Rev 0	ROSEMOUNT 177GY 3RCRD0085B	NV RB 844'+6"
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MT-89(RD85B) WR TEMP SIGNAL CONDITIONER (ICC B)	OEE-355-23 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 3TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TBL/U3 WR HOTLEG TEMP INDICATION CONTROL RLY	OEE-350-23 Rev 1	SQUARE-D 8501-RS14 3TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
3KI-18/MCB(3RCP0376) 120V PPB 3KI BKR 18 (WR HOTLEG & COLDLEG TEMP DISPLAY)	OEE-350-23 Rev 1	ITE CC (20 A) 3KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Reactor Coolant**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3RCP0377 RCS COLD LEG TEMP INDICATOR	OEE-350-24 Rev 0	DIGITEC 2820-27 3UB1	NV AB 822
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCRD0005B RCS COLD LEG RTD	OEE-350-25 Rev 0	ROSEMOUNT 177HW 3RCRD0005B	NV RB 797'+6"
---------------------------------------	------------------	----------------------------------	---------------------

NV - Not Vulnerable To Contact Chatter.

3RCRD0005B BRIDGE LINEAR BRIDGE (3RCRD5B)	OEE-350-25 Rev 0	ROSEMOUNT 414F 3ICS	CA AB 822
--	------------------	---------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

3RCTT0016P(RD5B) 3A2 COLD LEG TEMP XMTR (3RD5B)	OEE-350-25 Rev 0	BAILEY CONTROLS 6625050-1 3ICS	NV AB 822
--	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MT-83(RD05B) WR COLDLEG TEMP SIGNAL CONDITIONER	OEE-350-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 3TDC3	NV AB 809
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

183/WRC-A/U3 U3 WR INLET TEMP LOOP A SELECTION	OM 2201-H-77 Rev DK	POTTER-BRUMFIELD KRP14AN 3ICS	CA AB 822
---	---------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

TA2/U3(RD05B) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-350-24 Rev 0	SQUARE-D 8501-RS14 3TDC3	CA AB 809
---	------------------	--------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

3RCRD0006A RCS COLD LEG RTD	OEE-350-25 Rev 0	ROSEMOUNT 177GY 3RCRD0006A	NV RB 797'+6"
---------------------------------------	------------------	----------------------------------	---------------------

NV - Not Vulnerable To Contact Chatter.

3RCRD0006A BRIDGE LINEAR BRIDGE (3RCRD6A)	OEE-350-25 Rev 0	ROSEMOUNT 414F 3ICS	CA AB 822
--	------------------	---------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

3RCTT0013P(RD6A) 3A1 COLD LEG TEMP XMTR (3RD6A)	OEE-350-25 Rev 0	BAILEY CONTROLS 6625050-1 3ICS	NV AB 822
--	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Reactor Coolant**

SUB SYSTEM: **Instrumentation**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3MT-82(RD06A) WR LOOP 3A1 XMTR	OEE-350-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 3TDC3	NV AB 809
-----------------------------------	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

TA1/U3(RD06A) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-350-24 Rev 0	SQUARE-D 8501-RS14 3TDC3	CA AB 809
---	------------------	--------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

3RCRD0007B RCS COLD LEG RTD	OEE-350-25 Rev 0	ROSEMOUNT 177HW-2 3RCRD0007B	NV RB 797'+6"
--------------------------------	------------------	------------------------------------	---------------------

NV - Not Vulnerable To Contact Chatter.

3RCRD0007BBRIDGE LINEAR BRIDGE (3RCRD7B)	OEE-350-25 Rev 0	ROSEMOUNT 414F 3ICS	CA AB 822
---	------------------	---------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

3RCTT0018P(RD7B) 3B2 COLD LEG TEMP XMTR (3RD7B)	OEE-350-25 Rev 0	BAILEY CONTROLS 6625050-1 3ICS	NV AB 822
--	------------------	--------------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3MT-85(RD07B) WR COLDLEG TEMP SIGNAL CONDITIONER	OEE-350-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 3TDC3	NV AB 809
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

183/WRC-B/U3 U3 WR INLET TEMP LOOP B SELECTION	OM 2201-H-78 Rev DH	POTTER-BRUMFIELD KRP14AN 3ICS	CA AB 822
---	---------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Is Acceptable Because The System Can Tolerate Momentary Interruptions.

TB2/U3(RD07B) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-350-24 Rev 0	SQUARE-D 8501-RS14 3TDC3	CA AB 809
---	------------------	--------------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

3RCRD0008A RCS COLD LEG RTD	OEE-350-25 Rev 0	ROSEMOUNT 177GY 3RCRD0008A	NV RB 797'+6"
--------------------------------	------------------	----------------------------------	---------------------

NV - Not Vulnerable To Contact Chatter.

3RCRD0008ABRIDGE LINEAR BRIDGE (3RCRD8A)	OEE-350-25 Rev 0	ROSEMOUNT 414F 3ICS	CA AB 822
---	------------------	---------------------------	-----------------

CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Reactor Coolant

SUB SYSTEM: Instrumentation

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3RCTT0015P(RD8A) 3B1 COLD LEG TEMP XMTR (3RD8A)	OEE-350-25 Rev 0	BAILEY CONTROLS 6625050-1 3ICS	NV AB 822
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3MT-84(RD08A) WR RC LOOP 3B1 XMTR	OEE-350-25 Rev 0	ROCHESTER INSTRUMENTS XSC-1302 3TDC3	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
TB1/U3(RD08A) WR COLDLEG TEMP INDICATION CONTROL RLY	OEE-350-24 Rev 0	SQUARE-D 8501-RS14 3TDC3	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Can Cause Momentary Interruptions In Status/Alarms.</i>			
3KI-18/MCB(3RCP0377) 120V PPB 3KI BKR 18 (WR HOTLEG & COLDLEG TEMP DISPLAY)	OEE-350-24 Rev 0	ITE CC (20 A) 3KI	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Reactor Coolant**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3RCVA0003

PRZ SPRAY ISOLATION

83-L/SSV/U3 ICS CONTROL LATCHING RLY (3RC-3) (SHOWN AS MO & MC CONTACTS) <i>GERS - Seismically Adequate Per GERS.</i>	OM 2201.H-0083 Rev DE	POTTER-BRUMFIELD KRP11AG 3ICS	GERS-RLY-ARS.4 AB 822
3XO-R03D/(3RC-3)/MS 208V MCC 3XO-R03D STARTER (3RC-03) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-350-02 Rev 2	CLARK BUL 6030 CY-1 (H1) 3XO	EVAL (MCC QUAL) AB 796
3XO-R03D/(3RC-3)/MCB 208V MCC 3XO BKR R03D (3RC-03) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-350-02 Rev 2	GENERAL-ELECTRIC TEC (18/90 A) 3XO	NV AB 796

3RCVA0004

PRZ PORV BLOCK VALVE

3XSF-F06C(600V)/(3RC-4)/MS 600V MCC 3XSF-F06C STARTER (3RC-04) <i>EVAL - Seismically Adequate Per Test Report.</i>	OEE-350 Rev 4	GTE-SYLVANIA BUL 6240 3XSF(600V)	EVAL (SSF QUAL) SSF 817
3XSF-F06C(600V)/(3RC-4)/MCB 600V MCC 3XSF BKR F06C (3RC-04) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-350 Rev 4	GENERAL-ELECTRIC THED (20 A) 3XSF(600V)	NV SSF 817

3RCVA0005

PRZ STEAM SAMPLE ISOLATION

3CR-54(3RC-5)(CA-V1)(3ES-1) 3RC-5 ESFAS INTERFACE RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-357 Rev 5	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
3RX-47(3RC-5)(CA-V1)(3ES-1) 3RC-5 CONTROL RLY <i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>	OEE-357 Rev 5	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RO(3RC-5)(CA-V1)(3ES-1) RO RLY (3RC-5)	OEE-357 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XSF-1-F01D/(3RC-5)/MS 208V MCC 3XSF-1-F01D STARTER (3RC-5)	OEE-357 Rev 5	GTE-SYLVANIA/CLARK BUL 6240 3XSF-1(208V)	EVAL (SSF QUAL) SSF 797
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XSF-1-F01D/(3RC-5)/MCB 208V MCC 3XSF-1 BKR F01D (3RC-5)	OEE-357 Rev 5	GENERAL-ELECTRIC THED (20 A) 3XSF-1(208V)	NV SSF 797
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCVA0006			
PRZ WATER SAMPLE ISOLATION			
3CR-55(3RC-6)(CA-V3)(3ES-1) 3RC-6 ESFAS INTERFACE RLY	OEE-357-01 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-48(3RC-6)(CA-V3)(3ES-1) 3RC-6 CONTROL RLY	OEE-357-01 Rev 4	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3RC-6)(CA-V3)(3ES-1) RO RLY (3RC-6)	OEE-357-01 Rev 4	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XSF-1-F01E/(3RC-6)/MS 208V MCC 3XSF-1-F01E STARTER (3RC-06)	OEE-357-01 Rev 4	GTE-SYLVANIA/CLARK BUL 6240 3XSF-1(208V)	EVAL (SSF QUAL) SSF 797
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XSF-1-F01E/(3RC-6)/MCB 208V MCC 3XSF-1 BKR F01E (3RC-6)	OEE-357-01 Rev 4	GENERAL-ELECTRIC THED (20 A) 3XSF-1(208V)	NV SSF 797
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCVA0007			
PRZ WATER SAMPLE ISOLATION			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3CR-39(3RC-7)(3ES-2) 3RC-7 ESFAS INTERFACE RLY	OEE-357-04 Rev 5	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-35(3RC-7)(3ES-2) 3RC-7CONTROL RLY	OEE-357-04 Rev 5	CUTLER-HAMMER D23MRD30A1 3ESTC2	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
RO(3RC-7)(3ES-2) RO RLY (3RC-7)	OEE-357-04 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3DIB-25/(3RC-7)/MCB 125V PPB 3DIB BKR 25 (3RC-07)	OEE-357-04 Rev 5	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3RCVA0066			
PRZ PORV			
3RCIS0148 3RC-66 CURRENT MODULE	OEE-350-07-A Rev 0	ROCHESTER ET-1215 3PIR	CA AB 809
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
27/HI-RC/RC-66/U3 ICS UV RLY	OM 2201.H-0085 Rev DE	BAILEY CONTROLS 6614306-1 3ICS	CA AB 822
<i>CA - Contact Chatter Is Acceptable Because Chatter Is Blocked By Rugged Device(s).</i>			
3RCTI0148 3RC-66 CONTROL TIMER	OEE-350-07 Rev 6	AGASTAT 7012 PB 3MTC4	GERS-RLY-PNT.7 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			
CRV3/U3 3RC-66 SOLENOID ACTUATOR CONTACTOR	OEE-350-07 Rev 6	ITE/GOULD P102C111 3MTC4	CNA AB 809
<i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second PORV (RC-66).</i>			
PRV3/U3 3RC-66 CONTROL RLY	OEE-350-07 Rev 6	CUTLER-HAMMER D26MRD30A1 3MTC3	CA AB 809
<i>Rugged Relay Whose Contact Chatter Is Blocked By Rugged Device(s).</i>			

Table 5-1-03

A-46 RELAY SCREENING AND EVALUATION
FORM G.4 - CONTACT DEVICE TABULATION
OCONEE NUCLEAR STATION - UNIT 3

Page 241 of 247

SYSTEM: **U3 Reactor Coolant**SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
RV3X/U3 3RC-66 CONTROL RLY <i>GERS - Seismically Adequate Per GERS.</i>	OEE-350-07 Rev 6	CUTLER-HAMMER D23MRD30A1 3MTC3	GERS-RLY-AI2.4 AB 809
3DIB-24/MCB 125V PPB 3DIB BKR 24 (3RC-66) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-350-07 Rev 6	ITE EH2 (30 A) 3DIB/PPB	NV AB 809
3KG-12/MCB 120V PPB 3KG BKR 12 (3RCIS0148) <i>NV - Not Vulnerable To Contact Chatter.</i>	OEE-350-07-A Rev 0	GENERAL-ELECTRIC TQL (20 A) 3KG	NV AB 838
3RCPT0017P RCS LOOP A PRESS TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201.K-0012 Rev DD	ROSEMOUNT 1154GP9RB 3RCPT0017P	NV RB 825
3RC3/PS8 RC PRESSURE CONTROL SWITCH <i>CNA - Contact Chatter Is Not Acceptable Because Chatter Can Misposition 30 Second PORV (RC-66).</i>	OM 2201.H-0075 Rev DE	BAILEY CONTROLS 6613303-1 3ICS	CNA AB 822
BA(3RCPT0017P) BUFFER AMPLIFIER (3RCPT0017P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201.K-0012 Rev DD	BAILEY CONTROLS 6621670 3RPS	NV AB 822
PWRSUP(3RCPT0017P) 3RCTT0017P POWER SUPPLY <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201.K-0012 Rev DD	MOTOROLA 6623903 3RPS	NV AB 822
SA(3RCPT0017P) SUMMER AMPLIFIER (3RCPT0017P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201.H-0075 Rev DE	BAILEY CONTROLS 6620255 3ICS	NV AB 822
3RCPT0166P RCS LOOP B PRESS TRANS <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 1201.K-0048 Rev DE	MOTOROLA 56PH 3RCPT0166P	NV RB 825
BA(3RCPT0166P) BUFFER AMPLIFIER (3RCPT0166P) <i>NV - Not Vulnerable To Contact Chatter.</i>	OM 2201.K-0048 Rev DE	BAILEY CONTROLS 6621670 3RPS	NV AB 822

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Reactor Coolant

SUB SYSTEM: Valves

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

PWRSUP(3RCPT0166P) 3RCTT0166P POWER SUPPLY	OM 2201.K-0048 Rev DE	MOTOROLA 6623903 3RPS	NV AB 822
---	-----------------------	-----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCVA0155

RCS HOT LEG 3A VENT

3SKJ-08/MCB(3RC-155) 120V PPB 3SKJ BKR 08 (3RC-155)	OEE-350-15 Rev 2	SQUARE D QOB (20 A) 3SKJ	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCVA0157

RCS HOT LEG 3B VENT

3SKK-08/MCB(3RC-157) 120V PPB 3SKK BKR 08 (3RC-157)	OEE-350-16 Rev 2	SQUARE D QOB (20 A) 3SKK	NV AB 809
--	------------------	--------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCVA0159

RV VENT ISOLATION

3SKL-08/MCB(3RC-159) 120V PPB 3SKL BKR 08 (3RC-159)	OEE-350-17 Rev 2	SIEMENS QOB (20 A) 3SKL	NV AB 809
--	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCVA0160

RV VENT ISOLATION

3SKL-08/MCB(3RC-160) 120V PPB 3SKL BKR 08 (3RC-160)	OEE-350-17 Rev 2	SIEMENS QOB (20 A) 3SKL	NV AB 809
--	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCVA0162

POST ACC SAMPLE PATH ISOL

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Reactor Coolant**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

3KVIB-08/MCB(3RC-162) 120V PPB 3KVIB BKR 08 (3RC-162)	OEE-362-04 Rev 2	ITE QP1 (20 A) 3KVIB	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCVA0163

POST ACC SAMPLE PATH ISOL

3KVIC-08/MCB(3RC-163) 120V PPB 3KVIC BKR 08 (3RC-163)	OEE-362-04 Rev 2	ITE QP1 (20 A) 3KVIC	NV AB 809
--	------------------	----------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

3RCVA0179

POST ACC SAMPLE THROTTLE

K4/U3 RC-179 CONTROL RLY	OEE-362 Rev 3	POTTER-BRUMFIELD KRP11AG 3PASCP	CA AB 771
-----------------------------	---------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3KTH1-08/MCB(3RC-179) 120V PPB 3KTH1 BKR 08 (3RC-179)	OEE-362 Rev 3	GENERAL-ELECTRIC THQL (20 A) 3KTH1	NV AB 775
--	---------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: U3 Waste Disposal

SUB SYSTEM: Valves

Component ID Name	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
----------------------	------------------	-------------------------------------	--------------------------------

3CSVA0005

QUENCH TANK DRAIN

3CR-59(3CS-5)(WD-V12)(3ES-1) 3CS-5 ESFAS INTERFACE RLY	OEE-360-02 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
---	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3RX-52(3CS-5)(WD-V12)(3ES-1) 3CS-5 CONT RLY	OEE-360-02 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
--	------------------	-------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

RO(3CS-5)(WD-V12)(3ES-1) RO RLY (3CS-5)	OEE-360-02 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
--	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3XS1-R02D/(3CS-5)/MS 208V MCC 3XS1-R02D STARTER (3CS-5)	OEE-360-02 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
--	------------------	--------------------------------------	------------------------------

EVAL - Seismically Adequate Per Test Report.

3XS1-R02D/(3CS-5)/MCB 208V MCC 3XS1 BKR R02D (3CS-5)	OEE-360-02 Rev 3	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
---	------------------	--	-----------------

NV - Not Vulnerable To Contact Chatter.

3CSVA0006

QUENCH TANK DRAIN

3CR-44(3CS-6)(WD-V5)(3ES-2) 3CS-6 ESFAS INTERFACE RLY	OEE-360-03 Rev 5	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
--	------------------	---------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3SR5 3CS-6 CONT RLY	OEE-360-03 Rev 5	CUTLER-HAMMER D26MRD30A1 3ESTC2A	GERS-RLY-AI2.4 AB 809
------------------------	------------------	--	-----------------------------

GERS - Seismically Adequate Per GERS.

RO(3CS-6)(WD-V5)(3ES-2) RO RLY (3CS-6)	OEE-360-03 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
---	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Waste Disposal**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
3DIB-25/(3CS-6)/MCB 125V PPB 3DIB BKR 25 (3CS-6)	OEE-360-03 Rev 5	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3GWDVA0012 QUENCH TANK VENT			
3CR-58(3GWD-12)(WD-V1)(3ES-1) 3GWD-12 ESFAS INTERFACE RLY	OEE-360 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3RX-51(3GWD-12)(WD-V1)(3ES-1) 3GWD-12 CONT RLY	OEE-360 Rev 3	CUTLER-HAMMER D23MR40A 3ESTC1	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
RO(3GWD-12)(WD-V1)(3ES-1) RO RLY (3GWD-12)	OEE-360 Rev 3	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3XS1-R02B/(3GWD-12)/MS 208V MCC 3XS1-R02B STARTER (3GWD-12)	OEE-360 Rev 3	CLARK BUL 6030 CY-1 (H1A) 3XS1	EVAL (MCC QUAL) AB 796
<i>EVAL - Seismically Adequate Per Test Report.</i>			
3XS1-R02B/(3GWD-12)/MCB 208V MCC 3XS1 BKR R02B (3GWD-12)	OEE-360 Rev 3	GENERAL-ELECTRIC TED (15 A) 3XS1	NV AB 796
<i>NV - Not Vulnerable To Contact Chatter.</i>			
3GWDVA0013 QUENCH TANK VENT			
3CR-42(3GWD-13)(WD-V2)(3ES-2) 3GWD-13 ESFAS INTERFACE RLY	OEE-360-01 Rev 5	CUTLER-HAMMER D23MRD30A1 3ESTC2	CA AB 809
<i>Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.</i>			
3SR3 3GWD-13 CONT RLY	OEE-360-01 Rev 5	CUTLER-HAMMER D26MRD30A1 3ESTC2A	GERS-RLY-AI2.4 AB 809
<i>GERS - Seismically Adequate Per GERS.</i>			

Table 5-1-O3

A-46 RELAY SCREENING AND EVALUATION
 FORM G.4 - CONTACT DEVICE TABULATION
 OCONEE NUCLEAR STATION - UNIT 3

SYSTEM: **U3 Waste Disposal**

SUB SYSTEM: **Valves**

Component ID Name <i>Chatter Evaluation</i>	Ref Dwg/Revision	Manufacturer Modelno Location	SAT* Building Floor Elev
---	------------------	-------------------------------------	--------------------------------

RO(3GWD-13)(WD-V2)(3ES-2) RO RLY (3GWD-13)	OEE-360-01 Rev 5	BAILEY CONTROLS 6623990 3ESFAS	CA AB 822
---	------------------	--------------------------------------	-----------------

Rugged Relay Whose Contact Chatter Can Cause The Valve To Go To Its Desired Position.

3DIB-25/(3GWD-13)/MCB 125V PPB 3DIB BKR 25 (3GWD-13)	OEE-360-01 Rev 5	ITE EH2 (50 A) 3DIB/PPB	NV AB 809
---	------------------	-------------------------------	-----------------

NV - Not Vulnerable To Contact Chatter.

USI A-46 SCREENING AND EVALUATION
FORM G.4 - RELAY TABULATION
OCONEE NUCLEAR STATION - UNIT 3

* SAT Codes

- BA - Low Ruggedness
- CA - Chatter acceptable.
- CNA - Chatter Not Acceptable
- NV - Not Vulnerable (mechanically actuated contacts and solid state relays).
- GERS - Seismically adequate based on GERS ____; include GERS number.
- NA - Component not affected by relays.
- CR - Corrective action required.
- OA - Operator action.
- EVAL - Evaluated using other test reports, etc.
- - No entry necessary

Prepared by Boyd Cherry Date 11-11-97
Reviewed by Ken Riddle Date 11-11-97

Section 6

SIGNIFICANT OR PROGRAMMATIC DEVIATIONS FROM THE GIP

No significant or programmatic deviations from the GIP have been made in the Oconee Nuclear Station USI A-46 Implementation Program.

Section 7

THIRD-PARTY AUDIT SUMMARY

Third-party audit summary information is contained in Section 10 of the "Oconee Nuclear Station, USI A-46 Seismic Evaluation Report" portion of this submittal.

Section 8

REFERENCES

1. Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, dated February 1992, copyright Seismic Qualification Utility Group (SQUG), Revision 2 corrected February 14, 1992.
- 2.. USNRC Generic Letter 87-02; Supplement No. 1 to Generic Letter (GL) 87-02 That Transmits Supplemental Safety Evaluation Report No. 2 (SSER No. 2) On SQUG Generic Implementation Procedure, Revision 2, As Corrected on February 14, 1992 (GIP-2).
3. Duke Power Company Letter to USNRC Responding to GL 87-02. – Letter Dated: September 21, 1992.
4. USNRC Letter Accepting Utility's Plan for Resolving USI A-46 – Letter Dated: September 21, 1993.
5. EPRI NP-7148-SL; Procedure For Evaluating Nuclear Power Plant Relay Seismic Functionality; Electric Power Research Institute; December 1990.
6. EPRI NP-7147-SL; Seismic Ruggedness of Relays; Electric Power Research Institute; August 1991.
7. EPRI NP-5223-SL; Generic Seismic Ruggedness of Power Plant Equipment; Revision 1; Electric Power Research Institute; August 1991.
8. EPRI NP-7148-SL; Procedure for Evaluating Nuclear Power Plant Relay Seismic Functionality Volume 2: Addendum; September 1993.

Appendix A

GLOSSARY OF TERMS

Administration Building Condensate Tank	ABCRT
Adjuster	Adj
Administration	Admin
Air Circuit Breaker	ACB
Air Handling Unit(s)	AHU(s)
Alternate	ALT
Alternating Current	AC
Ampere(s)	A
Amplification Factor	AF
Anticipated Transients Without Scram	ATWS
ATWS Mitigation System Actuation	AMSAC
Auxiliary	Aux
Auxiliary Building	AB
Auxiliary Service Water	ASW
Auxiliary Steam	AS
Battery	Batt
Battery Bank	BB
Battery Charger	BC
Bearing	Brng
Bearing Lift Pump	BLP
Bearing Oil Pump	BOP
Black	Blk
Borated Water Storage Tank	BWST
Breaker	Bkr
Breaker Failure	BF
Building	Bldg
Building Spray	BS

Cabinet	Cab
Channel	Ch
Charger	Chgr
Chatter Acceptable	CA
Chatter Not Acceptable	CNA
Circuit	Ckt
Component Cooling	CC
Computer	Comp
Condensate	Cond
Condensate Booster Pump	CBP
Condensate Steam Air Ejector	CSAE
Condensate Storage Tank	CST
Condenser Circulating Water	CCW
Control(s)	Ctrl(s)
Control Rod Drive	CRD
Coolant Storage	CS
Core Flood Tank	CFTK
Cylinder	Cyl
Demineralizer (Demineralized)	Demin
Design Basis Earthquake	DBE
Diesel Generator	DG
Diesel Jacket Water	DJW
Differential	Diff
Direct Current	DC
Discharge	Disch
Distribution	Dist
Electrical	Elec
Electric Power Research Institute	EPRI
Electro Hydraulic Controller	EHC

Elevated Water Storage Tank	EWST
Elevation	Elev
Emergency	Em
Emergency Core Cooling Systems	ECCS
Emergency Feedwater	EFW
Emergency Feedwater Pump	EFWP
Emergency Feedwater Pump Turbine	EFWPT
Emergency Grid Protection System	EPGS
Emergency Power Switching Logic	EPSL
Emergency Power System	EPS
Engineered Safeguards	ES
Engineering Safety Feature Actuation System	ESFAS
Evaporator	Evap
Exchanger	Exchngr
Excitation (Exciter)	Exc
Exciter Lockout	ELO
Expansion	Exp
Failure	Fail
Feeder	Fdr
Feedwater Pump	FWP
Feedwater	Fdw
Feedwater Pump Turbine	FWPT
Field	Fld
Field Flashing Breaker	FFB
First	1st
Floor Spectra	FS
Frequency	Freq
Gaseous Waste Disposal	GWD
Gaseous Waste Disposal Tank	GWDTk

Generator	Gen
Generator Field Breaker	GFB
Generator Supply Breaker	GSB
Generic Equipment Ruggedness Spectra	GERS
Generic Implementation Procedure	GIP
Generic Letter	GL
Governor	Gov
Header	Hdr
Heater	Htr
Heater Drain Pump	HDP
Heater Drains	HD
Heating, Ventilation And Air Conditioning	HVAC
Heat Exchanger	HX
High	Hi
High Pressure Injection Pump	HPIP
High Pressure Injection	HP (HPI)
High Pressure Service Water	HPSW
Hotwell	Hw
Hotwell Pump	HwP
Inadequate Core Cooling	ICC
Inadequate Core Cooling Monitor	ICCM
Indication	Ind
Initiate	Init
Injection	Inj
Institute of Electrical and Electronic Engineers	IEEE
Instrument	Inst
Integrated Control System	ICS
Interlocks	Intlks
Inverter	Inv

Isolation (Isolate)	Isol
Keowee Hydro Station	Keo (KHS)
Kilovolt	kV
Kilovolt-Ampere	kVA
Letdown Storage Tank	LDST
Level	Lvl
Level Transmitter	LT
Liquid Waste	LW
Load Center	LC
Loss Of Coolant Accident	LOCA
Low Pressure Injection	LPI
Low Pressure Injection Pump	LPIP
Low Pressure Injection	LP
Low Pressure Service Water	LPSW
Low Pressure Service Water Pump	LPSWP
Machine Shop Condensate Return Tank	MSCRT
Main Feeder Bus	MFB
Main Feeder Bus Monitor	MFBM
Main Feeder Bus Monitor Panel	MFBMP
Main Feeder Bus Monitor Relay Panel	MFBMRP
Main Steam	MS
Main Turbine	MT
Main Turbine Oil Tank	MTOT
Minimum	Min
Miscellaneous	Misc
Molded Case Breaker	MCB
Motor	MTR
Motor Control Center(s)	MCC(s)
Motor Driven	MD

Motor Driven Emergency Feedwater	MDEFW
Motor Driven Emergency Feedwater Pump	MDEFWP
Motor Operated	MO
Motor Operated Base Adjuster	MOBA
Motor Operated Disconnect	MOD
Non-Operate	Non-Op
Normal	Norm
Normally Closed	NC
Normally Open	NO
Not Applicable	NA (N/A)
Not Vulnerable	NV
Nuclear Instruments	NI
Nuclear Regulation	NuReg
Nuclear Regulatory Commission	NRC
Oconee Nuclear Station	ONS
Overhead Power Path	OHPP
Oil Lift Pump	OLP
Operate	Oper
Operating Manual	OM
Operator Action	OA
Over Current	OC
Over Exciter Protection	EXP
Panel	Pnl
Panelboard	Pnlbd
Peak Spectral Acceleration	PSA
Penetration Room	PR
Permanent Magnetic Generator	PMG
Phase	Ph
Polish	Pol

Potential Transformer	PT
Power	Pwr
Power Circuit Breaker	PCB
Power Operated Relief Valve	PORV
Power Panel Board	PPB
Pressure	Press
Pressure Gauge	PG
Pressurized Water Reactor	PWR
Pressurizer	Pzr
Primary	Pri
Protection	Prot
Pump	P (Pmp)
Rad Waste Facility	RWF
Radiation Indicating Alarm	RIA
Reactor	Rx
Reactor Building	RB
Reactor Building Cooling Unit	RBCU
Reactor Building Spray	RBS
Reactor Building Spray Pump	RBSP
Reactor Coolant	RC
Reactor Coolant Make-up	RCMU
Reactor Coolant Pump(s)	RCP(s)
Reactor Coolant System	RCS
Reactor Protective System	RPS
Recirculating Cooling Water	RCW
Regulator (Regulated)	Reg
Reheater	Rhtr
Relay	Rly
Reservoir	Res

Revolution Per Minutes	RPM
Rod Position Indication	RPI
Room	Rm
Safe Shutdown Equipment List	SSEL
Safety Relief Valve(s)	SRV(s)
Second	2nd
Seismic Qualification Reporting and Testing Standardization	SQURTS
Seismic Qualification Utility Group	SQUG
Senior Seismic Review and Advisory Panel	SSRAP
Sensing	Sens
Small Break Loss Of Coolant Accident	SBLOCA
Standby	Stby
Standby Shutdown Facility	SSF
Start	ST
Start-up	SU (Stup)
Steam Drain	SD
Steam Generator(s)	SG(s)
Steam Seal Heater	SSH
Stop Valve	SV
Supplemental Safety Evaluation Report	SSER
Supply	Supp
Switch	SW
Switch Gear	SWGR
SwitchYard	SWYD
Synchronize	Sync
System	Sys
Tank	Tk
Temperature	Temp
Temperature Transmitter	TT

Time Delay On Dropout Energizing	TDDE
Transfer	Xfer
Transfer Controls	Trans
Transformer	Xfmr
Transmitter	Xmtr
Turbine	Turb
Turbine Building	TB
Turbine Driven	TD
Turbine Driven EFDW	TDEFW
Turbine Driven Emergency Feedwater Pump	TDEFWP
Turbine Lube Oil	TO
Under Voltage	UV
Uninterrupted Power Source	UPS
Unit 0	U0
Unit 1	U1
Unit 2	U2
Unit 3	U3
United States Nuclear Regulatory Commission	USNRC
Unresolved Safety Issue	USI
Upper Surge Tank	UST
Vacuum	Vac
Valve	Valv
Ventilation	Vent
Volt	V
Volt Ampere	VA
Warehouse Condensate Return Tank	WCRT
Water	H ₂ O (Wtr)
White	Wht
Wide Range	WR

Appendix B

SYSTEM/CIRCUIT EVALUATION DISCUSSIONS

System and circuit evaluation discussions are provided for selected systems, subsystems, and components for Oconee Nuclear Station. These discussions are provided as part of the relay evaluation documentation to provide bases for screening and evaluation conclusions.

- Emergency Power

Emergency power is provided by the two-unit Keowee Hydro Station which provides power through two (2) redundant/diverse paths. One path consists of the overhead power path through the Oconee 230 kV Overhead Power Path through transformers CT-1, CT-2 and CT-3 at Oconee Nuclear Station. The other path consists of the 13.8 kV underground power feeder to transformer CT-4 at Oconee Nuclear Station.

- Switchgear

Switchgear was also evaluated both during the generation of the Composite SSEL and the associated relay review. Those components requiring power on the Composite SSEL were evaluated to assure reliable power. Associated power sources identified requiring a seismic walkdown were then added to the Composite SSEL. Any relays which were mounted in required switchgear were added to the Relay SSEL.

- Motor-Control Centers

Motor-Control Centers were evaluated both during the generation of the Composite SSEL and the associated relay review. Those components requiring power on the Composite SSEL were evaluated to assure reliable power. Associated power sources identified requiring a seismic walkdown were then added to the Composite SSEL. Any relays which were mounted in Motor-Control Centers were added to the Relay SSEL.

- DC Electrical System

The DC Electrical System was evaluated both during the generation of the Composite SSEL and during the associated relay review. Those components requiring DC power on the Composite SSEL were evaluated to assure reliable power. Associated power sources identified requiring a seismic walkdown were then added to the Composite SSEL. Any relays associated with the DC Electrical System were added to the Relay SSEL.

- Undervoltage Relaying

Undervoltage Relaying was evaluated both during the generation of the Composite SSEL and during the associated relay review. Those components affecting Undervoltage Relaying were

evaluated for power requirements and the associated Undervoltage Relaying components for those power sources were then added to the Relay SSEL. Additions included undervoltage, overcurrent, differential, ground fault relays, etc.

- Diesel Generator/Load Sequencing

Emergency power is provided by Keowee Hydro Station rather than diesel-generators. Keowee Emergency Start circuitry which is located at Oconee Nuclear Station and Emergency Power Switching Logic (EPSL) components are included in the Oconee Nuclear Station Plant SSEL.

Appendix C

RELAY SEISMIC CAPACITY DATA

GERS used for Capacity vs. Demand relay screening were those addressed in EPRI NP-7147-SL (Reference 6).

Specific relay GERS from EPRI used for Oconee Nuclear Station are listed in Appendix C.

Sorted by: Capacity Reference + Manufacturer + Model

OCONEE NUCLEAR STATION
 Unit 1 + Shared Equipment
 RELAY SEISMIC CAPACITY DATA (EPRI GERS)

Capacity Reference	Manufacturer	Model No.	PEAK Capacity	ZPA Capacity
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR402A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR40A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR62A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR804A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR80A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD074A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD074T1-24V	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD30A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD40A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD43A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD704A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD70A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD70A1/D26MF	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR22A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR40A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD30A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD40A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD70A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD70A1/D87XDL30	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD70A1/D87XEL30	9.00	3.60
GERS-RLY-ALO.2	ELECTRO-SWITCH	LOR	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61B238	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C239	10.00	4.00

OCONEE NUCLEAR STATION

Unit 1 + Shared Equipment

Page 2 of 2

Sorted by: Capacity Reference + Manufacturer + Model

RELAY SEISMIC CAPACITY DATA (EPRI GERS)

Capacity Reference	Manufacturer	Model No.	PEAK Capacity	ZPA Capacity
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C240	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C245	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C246	10.00	4.00
GERS-RLY-ALO.2	ELECTRO-SWITCH	LOR (SERIES 24)	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C240	10.00	4.00
GERS-RLY-ARH.5	WESTINGHOUSE	MG-6/NO (1163-801)	10.00	4.00
GERS-RLY-ARH.5	WESTINGHOUSE	MG-6/NO (288B977A19)	10.00	4.00
GERS-RLY-ARS.4	POTTER-BRUMFIELD	KRP11AG	8.00	3.20
GERS-RLY-ARS.4	STRUTHERS-DUNN	219BBXP	5.00	2.00
GERS-RLY-ARS.4	STRUTHERS-DUNN	219DXBP	5.00	2.00
GERS-RLY-PNT.7	AGASTAT	2412 AD	12.50	5.00
GERS-RLY-PNT.7	AGASTAT	2412 PB	12.50	5.00
GERS-RLY-PNT.7	AGASTAT	7012 PB	12.50	5.00
GERS-RLY-PPM.4	GENERAL-ELECTRIC	PVD21D/NON-OP	7.50	3.00

OCONEE NUCLEAR STATION

Unit 2

Page 1 of 2

Sorted by: Capacity Reference + Manufacturer + Model

RELAY SEISMIC CAPACITY DATA (EPRI GERS)

Capacity Reference	Manufacturer	Model No.	PEAK Capacity	ZPA Capacity
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR222A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR40A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR44A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR62A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR80A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD074A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD074T1-24V	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD07A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD30A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD30A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD43A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD704A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD70A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD804A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR22A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR40A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR40A/D87AE	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD30A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD40A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD704A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD70A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD70A1/D87XDL30	9.00	3.60
GERS-RLY-ALO.2	ELECTRO-SWITCH	LOR	10.00	4.00

OCONEE NUCLEAR STATION

Unit 2

Sorted by: Capacity Reference + Manufacturer + Model

Page 2 of 2

RELAY SEISMIC CAPACITY DATA (EPRI GERS)

Capacity Reference	Manufacturer	Model No.	PEAK Capacity	ZPA Capacity
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C239	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C240	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C245	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C246	10.00	4.00
GERS-RLY-ALO.2	ELECTRO-SWITCH	LOR (SERIES 24)	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C240	10.00	4.00
GERS-RLY-ARH.5	WESTINGHOUSE	MG-6/NO (1163-801)	10.00	4.00
GERS-RLY-ARH.5	WESTINGHOUSE	MG-6/NO (288B977A19)	10.00	4.00
GERS-RLY-ARS.4	POTTER-BRUMFIELD	KRP11AG	8.00	3.20
GERS-RLY-ARS.4	POTTER-BRUMFIELD	KRP14AN	10.00	4.00
GERS-RLY-ARS.4	STRUTHERS-DUNN	219BBXP	5.00	2.00
GERS-RLY-PNT.7	AGASTAT	2412 AD	12.50	5.00
GERS-RLY-PNT.7	AGASTAT	2412 PB	12.50	5.00
GERS-RLY-PNT.7	AGASTAT	7012 PB	12.50	5.00
GERS-RLY-PPM.4	GENERAL-ELECTRIC	PVD21D/NON-OP	7.50	3.00

OCONEE NUCLEAR STATION

Unit 3

Sorted by: Capacity Reference + Manufacturer + Model

Page 1 of 2

RELAY SEISMIC CAPACITY DATA (EPRI GERS)

Capacity Reference	Manufacturer	Model No.	PEAK Capacity	ZPA Capacity
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR222A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR40A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR62A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MR80A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD074A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD074T1-24V	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD07A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD110A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD30A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD43A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD704A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD70A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD70A1/D26MF	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MDR70A1/D87XDL30	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR22A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR40A	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MR40A/D87AE	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD22A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD30A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD40A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD704A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD70A1	9.00	3.60
GERS-RLY-AI2.4	CUTLER-HAMMER	D26MRD70A1/D87XDL30	9.00	3.60

OCONEE NUCLEAR STATION

Unit 3

Sorted by: Capacity Reference + Manufacturer + Model

Page 2 of 2

RELAY SEISMIC CAPACITY DATA (EPRI GERS)

Capacity Reference	Manufacturer	Model No.	PEAK Capacity	ZPA Capacity
GERS-RLY-AI2.4	CUTLER-HAMMER	D23MRD22A1	9.00	3.60
GERS-RLY-ALO.2	ELECTRO-SWITCH	LOR (SERIES 24)	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C239	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C240	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C246	10.00	4.00
GERS-RLY-ALO.2	ELECTRO-SWITCH	LOR (SERIES 24)	10.00	4.00
GERS-RLY-ALO.2	GENERAL-ELECTRIC	HEA61C240	10.00	4.00
GERS-RLY-ARH.5	WESTINGHOUSE	MG-6/NO (1163-801)	10.00	4.00
GERS-RLY-ARH.5	WESTINGHOUSE	MG-6/NO (288B977A19)	10.00	4.00
GERS-RLY-ARS.4	POTTER-BRUMFIELD	KRP11AG	8.00	3.20
GERS-RLY-ARS.4	POTTER-BRUMFIELD	KRP14AN	10.00	4.00
GERS-RLY-ARS.4	STRUTHERS-DUNN	219BBXP	5.00	2.00
GERS-RLY-PNT.7	AGASTAT	2412 AD	12.50	5.00
GERS-RLY-PNT.7	AGASTAT	2412 PB	12.50	5.00
GERS-RLY-PNT.7	AGASTAT	7012 PB	12.50	5.00
GERS-RLY-PPM.4	GENERAL-ELECTRIC	PVD21D/NON-OP	7.50	3.00

Appendix D

ESSENTIAL CONTACT DEVICE LIST

Essential contact devices are tabulated in Appendix D.

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
159G	PZR HTR GROUND RLY (PZR HTR BANK 2 GROUP B)	WESTINGHOUSE CV-8 (183A205A15) PHC/SSF	SSF 777
1BSPS0018	RB PRESS SWITCH (ES CH 1A)	ASCO SA21AR/TD20A32R 1BSPS0018	AB 809
1BSPS0019	RB PRESS SWITCH (ES CH 1A)	ASCO SA21AR/TD20A32R 1BSPS0019	AB 809
1BSPS0020	RB PRESS SWITCH (ES CH 1B)	ASCO SA21AR/TD20A32R 1BSPS0020	AB 809
1BSPS0021	RB PRESS SWITCH (ES CH 1B)	ASCO SA21AR/TD20A32R 1BSPS0021	AB 809
1BSPS0022	RB PRESS SWITCH (ES CH 1C)	ASCO SA21AR/TD20A32R 1BSPS0022	AB 809
1BSPS0023	RB PRESS SWITCH (ES CH 1C)	ASCO SA21AR/TD20A32R 1BSPS0023	AB 809
1CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)	ITT BARTON 581A-2 1CPS0015	TB 838
1CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)	ITT BARTON 581A-2 1CPS0036	TB 838
1CR-01(1BS-1)(BS-V1A)(IES-7)	1BS-1 ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 1ESTC1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Page 2 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1CR-04(1BS-2)(BS-V1B)(1ES-8)	IBS-2 ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 1ESTC2	AB 809
1CR-64(RBCU-1A)(RBCU-1A)(1ES-5)	RBCU 1A ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 1ESTC1	AB 809
1CR-72(RBCU-1C)(1ES-6)	RBCU 1C ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 1ESTC2	AB 809
1DP-F05C/(CCW-8)/MS	125/250V DC 1DP-F05C STARTER (CCW-8)	CLARK BUL 6258 1DP	TB 796
1ETX	EM TRIP AUX RLY	CUTLER-HAMMER D23MRD704A1 1MTC1	AB 809
1FDWPS0251	FDW PUMP 1A DISCH PRESS LOW	STATIC-O-RING 9NN-K45-N4-F1A 1MC-D24	TB 775
1FDWPS0253	FDW PUMP 1B DISCH PRESS LOW	STATIC-O-RING 9NN-K45-N4-F1A 1MC-E25	TB 775
1FDWPS0382	FWP 1B CONTROL OIL PRESS SWITCH	CUSTOM CC-604GZ3 1B TBOX EH	TB 775
1FDWPS0383	FWPT 1B CONTROL OIL PRESS LOW	CUSTOM CC-604GZ3 1B TBOX EH	TB 775
1FDWPS0384	FWP 1A CONTROL OIL PRESS SWITCH	CUSTOM CC-604GZ3 1A TBOX EH	TB 775

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1FDWPS0385	FWPT 1B CONTROL OIL PRESS LOW	CUSTOM CC-604GZ3 1B TBOX EH	TB 775
1HP11-FS	RCP SEAL INLET FLOW SWITCH (ELECTRONIC MODULE)	SAIC RP 2049-2 IICS	AB 822
1MVC2-01A/1CCW-1/MS	250V MCC 1MVC2-01A STARTER (CCW-1)	CLARK BUL 6258 CY-1 1MVC2	TB 775
1MVC2-01B/1CCW-2/MS	250V MCC 1MVC2-01B STARTER (CCW-2)	CLARK BUL 6258 CY-1 1MVC2	TB 775
1MVC2-01C/1CCW-3/MS	250V MCC 1MVC2-01C STARTER (CCW-3)	CLARK BUL 6258 CY-1 1MVC2	TB 775
1MVC2-01D/1CCW-4/MS	250V MCC 1MVC2-01D STARTER (CCW-4)	CLARK BUL 6258 CY-1 1MVC2	TB 775
1MVC2-02A/1CCW-5/MS	250V MCC 1MVC2-02A STARTER (CCW-5)	CLARK BUL 6258 CY-1 1MVC2	TB 775
1MVC2-02B/1CCW-6/MS	250V MCC 1MVC2-02B STARTER (CCW-6)	CLARK BUL 6258 CY-1 1MVC2	TB 775
1PHRX/RX-9	PZR HTR GROUND AUX RLY	CUTLER-HAMMER D23MR40A PHC/SSF	SSF 777
1POX1	ALL CCWP OFF AUX RLY	CUTLER-HAMMER D23MRD30A1 1MTC1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
IPOX3	ONLY 1 CCW PUMP OPER IN STAT AUX RLY	CUTLER-HAMMER D23MR804A 1MTC1	AB 809
IPOX4	CCW TIME DELAY RLY	AGASTAT 2412 AD 1MTC1	AB 809
IPOX5	CCW SYS CONTROL RELAY	CUTLER-HAMMER D26MR40A 1MTC1	AB 809
1R01	FWPT 1A BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R02	FWPT 1A BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R03	FWPT 1B BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R04	FWPT 1B BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R09	FWP 1A SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R10	FWP 1A SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R11	FWP 1B SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1R12	FWP 1B SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R13	FWP DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R14	FWP DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 1MTC2	AB 809
1R251	FWP A DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D26MRD40A1 1MTC2	AB 809
1R253	FWP B DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D26MRD40A1 1MTC2	AB 809
1RC3/PS8	RC PRESSURE CONTROL SWITCH	BAILEY CONTROLS 6613303-1 1ICS	AB 822
1RCTI0148	IRC-66 CONTROL TIMER	AGASTAT 7012 PB 1MTC4	AB 809
1RLS1	CH A LOAD SHED TIMING RLY	WESTINGHOUSE TD-5 (293B301A25) 1EPSLP1	AB 809
1RLS1X	CH A LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
1RLS1X1	CH A LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD43A1 1EPSLP1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1RLS2	CH B LOAD SHED TIMING RLY	WESTINGHOUSE TD-5 (293B301A25) 1EPSLP1	AB 809
1RLS2X	CH B LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
1RLS2X1	CH B LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD43A1 1EPSLP1	AB 809
1RTEA	PHASE A STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
1RTEB	PHASE B STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
1RTEC	PHASE C STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
1RX-01(1BS-1)(BS-V1A)(1ES-7)	1BS-1 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC1	AB 809
1RX-01(1RC-7)(1ES-2)	1RC-7CONTROL RLY	CUTLER-HAMMER D23MRD40A 1ESTC2	AB 809
1RX-03(1BS-2)(BS-V1B)(1ES-8)	1BS-2 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC2	AB 809
1RX-09(1PR-7)(PR-V7)(1ES-1)	1PR-7 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1RX-10(1PR-8)(PR-V8)(1ES-2)	1PR-8 CONTROL RLY	CUTLER-HAMMER D23MRD40A 1ESTC2	AB 809
1RX-11(1PR-9)(PR-V9)(1ES-1)	1PR-9 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC1	AB 809
1RX-13(1PR-10)(PR-V10)(1ES-2)	1PR-10 CONTROL RLY	CUTLER-HAMMER D23MRD40A 1ESTC2	AB 809
1RX-28(1HP-27)	1HP-27 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC2	AB 809
1RX-29(1HP-25)	1HP-25 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC2	AB 809
1RX-36(1FDW-106)(CA-V5A)(1ES-2)	1FDW-106 CONTROL RLY	CUTLER-HAMMER D23MRD40A 1ESTC2	AB 809
1RX-37(1FDW-108)(CA-V5B)(1ES-2)	1FDW-108 CONTROL RLY	CUTLER-HAMMER D23MRD40A 1ESTC2	AB 809
1RX-39(1HP-26)	1HP-26 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC1	AB 809
1RX-41(1HP-24)	1HP-24 CONTROL RLY	CUTLER-HAMMER D23MR40A 1ESTC1	AB 809
1RX/1	U1 STBY FDR BUS BKR (SK1) AUX CLOSE RLY	CUTLER-HAMMER D23MRD70A1 1EPSLP2	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1RX/2	U1 STBY FDR BUS BKR (SK2) AUX CLOSE RLY	CUTLER-HAMMER D23MRD70A1 1EPSLP2	AB 809
1SBC1AX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D26MRD70A1 1EPSLP1	AB 809
1SBC1BX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1 1EPSLP1	AB 809
1SBC2AX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D26MRD70A1 1EPSLP1	AB 809
1SBC2BX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1/D26MF 1EPSLP1	AB 809
1SLA	MDEFWP 1A CONT RLY	CUTLER-HAMMER D26MR40A 1MTC4	AB 809
1SLB	MDEFWP 1B CONT RLY	CUTLER-HAMMER D26MR40A 1MTC4	AB 809
1SR3	1GWD-13 CONT RLY	CUTLER-HAMMER D26MRD30A1 1ESTC2A	AB 809
1SR5	1CS-6 CONT RLY	CUTLER-HAMMER D26MRD30A1 1ESTC2A	AB 809
1STARA	STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	CUTLER-HAMMER D26MRD70A1/D87XDL 1EPSLP1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1STARB	STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	CUTLER-HAMMER D26MRD70A1/D87XDL 1EPSLP1	AB 809
1STD-1BX	U1 STBY BKR S11 LOGIC TIME DELAY TRIP AUX RLY B	CUTLER-HAMMER D23MRD70A1 1EPSLP2	AB 809
1STD-2BX	U1 STBY BKR S21 LOGIC TIME DELAY TRIP AUX RLY B	CUTLER-HAMMER D23MRD70A1 1EPSLP2	AB 809
1TOPS0176B	FWPT 1A BEARING OIL PRESS LOW	SQUARE D ALG3-9013-DR 1A TBOX EH	TB 775
1TOPS0192B	FWPT 1B BEARING OIL PRESS LOW	SQUARE D ALG3-9013-DR 1B TBOX EH	TB 775
1UPOX	CCW SYSTEM CONT RLY	CUTLER-HAMMER D23MRD704A1 1MTC1	AB 809
1X5A(1TD-02)	LOADSHED CONTROL RLY (XFMR 1X05)	CUTLER-HAMMER D26MRD70A1 1TD	TB 796
1X5B(1TD-02)	LOADSHED CONTROL RLY (XFMR 1X05)	CUTLER-HAMMER D26MRD70A1 1TD	TB 796
1X6A(1TE-02)	LOADSHED CONTROL RLY (XFMR 1X06)	CUTLER-HAMMER D26MRD70A1 1TE	TB 796
1X6B(1TE-02)	LOADSHED CONTROL RLY (XFMR 1X06)	CUTLER-HAMMER D26MRD70A1 1TE	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XA-A-F02A/(1MS-77)/MS	208V MCC 1XA-A-F02A STARTER (1MS-77)	CLARK BUL 6030 CY-1 (H1) 1XA-A	TB 796
1XA-A-F02B/(1MS-78)/MS	208V MCC 1XA-A-F02B STARTER (1MS-78)	CLARK BUL 6030 CY-1 (H1) 1XA-A	TB 796
1XA-A-F02C/(1MS-81)/MS	208V MCC 1XA-A-F02C STARTER (1MS-81)	CLARK BUL 6030 CY-1 (H1) 1XA-A	TB 796
1XA-A-F02D/(1MS-80)/MS	208V MCC 1XA-A-F02D STARTER (1MS-80)	CLARK BUL 6030 CY-1 (H1) 1XA-A	TB 796
1XA-A-R05A/(1MS-82)/MS	208V MCC 1XA-A-R05A STARTER (1MS-82)	CLARK BUL 6030 CY-1 (H1) 1XA-A	TB 796
1XA-A-R05B/(1MS-84)/MS	208V MCC 1XA-A-R05B STARTER (1MS-84)	CLARK BUL 6030 CY-1 (H1) 1XA-A	TB 796
1XA-R02A/(1SSH-01)/MS	208V MCC 1XA-R02A STARTER (1SSH-01)	CLARK BUL 6240 CY-1 1XA	TB 796
1XA-R02B/(1SSH-03)/MS	208V MCC 1XA-R02B STARTER (1SSH-03)	CLARK BUL 6240 CY-1 1XA	TB 796
1XA-R03A/(1V-186)/MS	208V MCC 1XA-R03A STARTER (1V-186)	CLARK BUL 6240 SIZE 1 1XA	TB 796
1XA-R06A/(1MS-35)/MS	208V MCC 1XA-R06A STARTER (1MS-35)	CLARK BUL 6240 SIZE 1 1XA	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XA-R06B/(1MS-36)/MS	208V MCC 1XA-R06B STARTER (1MS-36)	CLARK BUL 6240 SIZE 1 1XA	TB 796
1XA-R06C/(1MS-76)/MS	208V MCC 1XA-R06C STARTER (1MS-76)	CLARK BUL 6240 SIZE 1 1XA	TB 796
1XA-R06D/(1MS-79)/MS	208V MCC 1XA-R06D STARTER (1MS-79)	CLARK BUL 6240 SIZE 1 1XA	TB 796
1XB-03B/(1LPSW-284)/MS	600V MCC 1XB-03B STARTER (CONT VAC PRIM PUMP A & 1LPSW-284)	CLARK BUL 6013 CY-2 (A2) 1XB	TB 775
1XB-03C/(1LPSW-290)/MS	600V MCC 1XB-03C STARTER (CONT VAC PRIM PUMP B & 1LPSW-290)	CLARK BUL 6013 CY-2 (A2) 1XB	TB 775
1XC-R01D/(1C-160)/MS	208V MCC 1XC-R01D STARTER (1C-160)	CLARK BUL 6030 CY-1 (H1) 1XC	TB 775
1XC-R01E/(1C-391)/MS	208V MCC 1XC STARTER (1C-391)	CLARK BUL 6030 CY-1 (H1) 1XC	TB 775
1XC-R04F/(1MS-47)/MS	208V MCC 1XC-R04F STARTER (1MS-47)	CLARK BUL 6030 CY-1 (H1) 1XC	TB 775
1XC-R05D/(1LPSW-137)/MS	208V MCC 1XC-R05D STARTER (1LPSW-137)	CLARK BUL 6030 CY-1 (H1) 1XC	TB 775
1XGA-F07C/(1C-156)/MS	208V MCC 1XGA-F07C STARTER (1C-156)	CLARK BUL 6030 CY-1 (H1) 1XGA	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XGA-F07D/(1C-158)/MS	208V MCC 1XGA-F07D STARTER (1C-158)	CLARK BUL 6030 CY-1 (H1) 1XGA	TB 796
1XGA-F08A/(1LPSW-2)/MS	208V MCC 1XGA-F08A STARTER (1LPSW-2)	CLARK BUL 6030 CY-1 (H1) 1XGA	TB 796
1XGA-F08B/(1LPSW-3)/MS	208V MCC 1XGA-F08B STARTER (1LPSW-3)	CLARK BUL 6030 CY-1 (H1) 1XGA	TB 796
1XGA-F08C/(1LPSW-1)/MS	208V MCC 1XGA-F08C STARTER (1LPSW-1)	CLARK BUL 6030 CY-1 (H1) 1XGA	TB 796
1XGB-R01A/(1MS-17)/MS	208V MCC 1XGB-R01A STARTER (1MS-17)	CLARK BUL 6030 CY-1 (H1) 1XGB	TB 796
1XGB-R01B/(1MS-26)/MS	208V MCC 1XGB-R01B STARTER (1MS-26)	CLARK BUL 6030 CY-1 (H1) 1XGB	TB 796
1XGB-R01C/(1MS-24)/MS	208V MCC 1XGB-R01C STARTER (1MS-24)	CLARK BUL 6030 CY-1 (H1) 1XGB	TB 796
1XGB-R01D/(1MS-33)/MS	208V MCC 1XGB-R01D STARTER (1MS-33)	CLARK BUL 6030 CY-1 (H1) 1XGB	TB 796
1XGB-R06A/(1C-153)/MS	208V MCC 1XGB-R06A STARTER (1C-153)	CLARK BUL 6030 CY-1 (H1) 1XGB	TB 796
1XGB-R06B/(1C-152)/MS	208V MCC 1XGB-R06C STARTER (1C-152)	CLARK BUL 6030 CY-1 (H1) 1XGB	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XI-01BT/(RSC-1FDW-368)/MS	REMOTE STARTER (1FDW-368) (FED FROM 600V MCC 1XI-01BT)	GTE-SYLVANIA BUL 6040 TM 1RSC-1FDW-368/ENCL	AB 809
1XI-01BT/(RSC-1FDW-382)/MS	REMOTE STARTER (1FDW-382) (FED FROM 600V MCC 1XI-01BT)	GTE-SYLVANIA BUL 6040 TM 1RSC-1FDW-382/ENCL	AB 809
1XI-01BT/(RSC-1FDW-384)/MS	REMOTE STARTER (1FDW-384) (FED FROM 600V MCC 1XI-01BT)	GTE-SYLVANIA BUL 6040 TM 1RSC-1FDW-384/ENCL	AB 809
1XI-01BT/(RSC-1PR-60)/MS	600V MCC 1XI-01BT REMOTE STARTER (1PR-60)	GTE-SYLVANIA BUL 6040 TM 1RSC-1PR-60/ENCL	AB 809
1XL-05E/(1HP-23)/MS	208V MCC 1XL-05E STARTER (1HP-23)	CLARK BUL 6240 CY-1 (H1) 1XL	AB 771
1XL-06D/(1HP-98)/MS	208V MCC 1XL-06D STARTER (1HP-98)	CLARK BUL 6030 CY-1 (H1) 1XL	AB 771
1XL-06E/(1LP-5)/MS	208V MCC 1XL-06E STARTER (1LP-5)	CLARK BUL 6030 CY-1 (H1) 1XL	AB 771
1XL-07D/(1LP-9)/MS	208V MCC 1XL-07D STARTER (1LP-9)	CLARK BUL 6030 CY-1 (H1) 1XL	AB 771
1XL-08E/(1LP-6)/MS	208V MCC 1XL-08E STARTER (1LP-6)	CLARK BUL 6030 CY-1 (H1) 1XL	AB 771
1XL-09D/(1LP-15)/MS	208V MCC 1XL-09D STARTER (1LP-15)	CLARK BUL 6030 CY-1 (H1) 1XL	AB 771

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XL-0AB/(RSC-1FDW-369)/MS	REMOTE STARTER (1FDW-369) (FED FROM 600V MCC 1XL-0AB)	GTE-SYLVANIA BUL 6040 TM 1RSC-1FDW-369/ENCL	AB 809
1XL-0AB/(RSC-1FDW-372)/MS	REMOTE STARTER (1FDW-372) (FED FROM 600V MCC 1XL-0AB)	GTE-SYLVANIA BUL 6040 TM 1RSC-1FDW-372/ENCL	AB 809
1XL-0AB/(RSC-1FDW-374)/MS	REMOTE STARTER (1FDW-374) (FED FROM 600V MCC 1XL-0AB)	GTE-SYLVANIA BUL 6040 TM 1RSC-1FDW-374/ENCL	AB 809
1XL-0AB/(RSC-1PR-59)/MS	600V MCC 1XL-0AB REMOTE STARTER (1PR-59)	GTE-SYLVANIA BUL 6040 TM 1RSC-1PR-59/ENCL	AB 809
1XN-05D/(1HP-115)/MS	208V MCC 1XN-05D STARTER (1HP-115)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771
1XN-06E/(1LP-8)/MS	208V MCC 1XN-06E STARTER (1LP-8)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771
1XN-07D/(1LP-10)/MS	208V MCC 1XN-07D STARTER (1LP-10)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771
1XN-08E/(1LP-7)/MS	208V MCC 1XN-08E STARTER (1LP-7)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771
1XN-09D/(1LP-16)/MS	208V MCC 1XN-09D STARTER (1LP-16)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771
1XN-09E/(1LP-69)/MS	208V MCC 1XN-09E STARTER (1LP-69)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XN-10D/(1LP-11)/MS	208V MCC 1XN-10D STARTER (1LP-11)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771
1XN-10E/(1LP-13)/MS	208V MCC 1XN-10E STARTER (1LP-13)	CLARK BUL 6030 CY-1 (H1) 1XN	AB 771
1XO-R01A/(1LPSW-16)/MS	208V MCC 1XO-R01A STARTER (1LPSW-16)	CLARK BUL 6030 CY-1 (H1) 1XO	AB 796
1XO-R01B/(1LPSW-19)/MS	208V MCC 1XO-R01B STARTER (1LPSW-19)	CLARK BUL 6030 CY-1 (H1) 1XO	AB 796
1XO-R03D/(1RC-3)/MS	208V MCC 1XO-R03D STARTER (1RC-03)	CLARK BUL 6030 CY-1 (H1) 1XO	AB 796
1XO-R03E/(1LP-3)/MS	208V MCC 1XO-R03E STARTER (1LP-3)	CLARK BUL 6030 CY-1 (H1) 1XO	AB 796
1XO-R06D/(1HP-275)/MS	208V MCC 1XO-R06D STARTER (1HP-275)	CLARK BUL 6030 CY-1 (H1) 1XO	AB 796
1XP-F03C/(1HP-276)/MS	600V MCC 1XP-F03C STARTER (1HP-276)	CLARK BUL 6240 CY-1 (H1) 1XP	AB 796
1XP-R01A/(1LPSW-22)/MS	208V MCC 1XP-R01A STARTER (1LPSW-22)	CLARK BUL 6030 CY-1 (H1) 1XP	AB 796
1XRA	MDEFWP 1A CONTROL RLY	CUTLER-HAMMER D26MRD30A1 1TD	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XRB	MDEFWP 1B CONTROL RLY	CUTLER-HAMMER D26MRD40A1 1TE	TB 796
1XS1-F02C/(1CCW-10)/MS	600V MCC 1XS1-F02C STARTER (1CCW-10)	CLARK BUL 6030 CY-1 (B1A) 1XS1	AB 796
1XS1-F03C/(1CCW-13)/MS	600V MCC 1XS1-F03C STARTER (1CCW-13)	CLARK BUL 6030 CY-1 (B1A) 1XS1	AB 796
1XS1-F04D/(1LP-1)/MS	600V MCC 1XS1-F04D STARTER (1LP-1)	CLARK BUL 6030 CY-1 (B1A) 1XS1	AB 796
1XS1-F04E/(1LP-17)/MS	600V MCC 1XS1-F04E STARTER (1LP-17)	CLARK BUL 6030 CY-2 (B2A) 1XS1	AB 796
1XS1-F05C/(RSC-1LP-2)/MS	600V REMOTE STARTER F01A (1LP-2)	GTE-SYLVANIA/CLAR BUL 6200 XSF(600V)	SSF 777
1XS1-F05D/(1LP-105)/MCB	600V MCC 1XS1 BKR F05D (1LP-105)	GENERAL-ELECTRIC THEF (20 A) 1XS1	AB 796
1XS1-F05D/(1LP-105)/MS	600V MCC 1XS1-F05D STARTER (1LP-105)	GTE-SYLVANIA/CLAR BUL 6030 CY-1 (B1A) 1XS1	AB 796
1XS1-R01A/(1LP-12)/MS	208V MCC 1XS1-R01A STARTER (1LP-12)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R01D/(1HP-24)/MS	208V MCC 1XS1-R01D STARTER (1HP-24)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XS1-R02A/(1HP-26)/MS	208V MCC 1XS1-R02A STARTER (1HP-26)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R02B/(1GWD-12)/MS	208V MCC 1XS1-R02B STARTER (1GWD-12)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R02D/(1CS-5)/MS	208V MCC 1XS1-R02D STARTER (1CS-5)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R03C/(1LP-21)/MS	208V MCC 1XS1-R03C STARTER (1LP-21)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R03D/(1LPSW-4)/MS	208V MCC 1XS1-R03D STARTER (1LPSW-4)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R03E/(1LPSW-18)/MS	208V MCC 1XS1-R03E STARTER (1LPSW-18)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R04E/(1BS-3)/MS	208V MCC 1XS1-R04E STARTER (1BS-3)	CLARK BUL 6030 CY-1 (H1) 1XS1	AB 796
1XS1-R05A/(1PR-7)/MS	208V MCC 1XS1-R05A STARTER (1PR-7)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R05B/(1PR-9)/MS	208V MCC 1XS1-R05B STARTER (1PR-9)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R05C/(1BS-1)/MS	208V MCC 1XS1-R05C STARTER (1BS-1)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796

Appendix D - 01

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 1 + SHARED EQUIPMENT

Page 18 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XS1-R05D/(RBCUFANIADAMPER)/MS	208V MCC 1XS1-R05D STARTER (RBCU FAN 1A DAMPER)	CLARK BUL 6030 CY-1 (H1) 1XS1	AB 796
1XS1-R06D/(1FDW-105)/MS	208V MCC 1XS1-R06D STARTER (1FDW-105)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS1-R06E/(1FDW-107)/MS	208V MCC 1XS1-R06E STARTER (1FDW-107)	CLARK BUL 6030 CY-1 (H1A) 1XS1	AB 796
1XS2-F02D/(1CCW-11)/MS	600V MCC 1XS2-F02D STARTER (1CCW-11)	CLARK BUL 6030 CY-1 (B1A) 1XS2	AB 796
1XS2-F03D/(1LP-104)/MS	600V MCC 1XS2-F03D STARTER (1LP-104)	CLARK BUL 6030 CY-1 (B1A) 1XS2	AB 796
1XS2-F04E/(1LP-18)/MS	600V MCC 1XS2-F04E STARTER (1LP-18)	CLARK BUL 6030 CY-2 (B2A) 1XS2	AB 796
1XS2-R01A/(1HP-25)/MS	208V MCC 1XS2-R01A STARTER (1HP-25)	CLARK BUL 6030 CY-1 (H1A) 1XS2	AB 796
1XS2-R01B/(1HP-27)/MS	208V MCC 1XS2-R01B STARTER (1HP-27)	CLARK BUL 6030 CY-1 (H1A) 1XS2	AB 796
1XS2-R01C/(1LP-22)/MS	208V MCC 1XS2-R01C STARTER (1LP-22)	CLARK BUL 6030 CY-1 (H1A) 1XS2	AB 796
1XS2-R01D/(1BS-4)/MS	208V MCC 1XS2-R01D STARTER (1BS-4)	CLARK BUL 6030 CY-1 (H1) 1XS2	AB 796

Appendix D - 01

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XS2-R02A/(1LP-14)/MS	208V MCC 1XS2-R02A STARTER (1LP-14)	CLARK BUL 6030 CY-1 (H1A) 1XS2	AB 796
1XS2-R02C/(1LPSW-5)/MS	208V MCC 1XS2-R02C STARTER (1LPSW-5)	CLARK BUL 6030 CY-1 (H1A) 1XS2	AB 796
1XS2-R02D/(1LPSW-24)/MS	208V MCC 1XS2-R02D STARTER (1LPSW-24)	CLARK BUL 6030 CY-1 (H1A) 1XS2	AB 796
1XS2-R04A/(1BS-2)/MS	208V MCC 1XS2-R04A STARTER (1BS-2)	CLARK BUL 6030 CY-1 (H1A) 1XS2	AB 796
1XS2-R04C/(1LP-20)/MS	208V MCC 1XS2-R04C STARTER (1LP-20)	CLARK BUL 6030 CY-1 (H1) 1XS2	AB 796
1XS2-R04D/RBCUFAN1CDAMPER/MS	208V MCC 1XS2-R04D STARTER (RBCU FAN 1C DAMPER)	CLARK BUL 6030 CY-1 (H1) 1XS2	AB 796
1XS3-02D/(RSC-1HP-409)/MS	REMOTE STARTER (1HP-409) FED FROM 600V MCC 1XS3-02D	GTE-SYLVANIA T40TA 1RSC-1HP-409/ENCL	AB 796
1XS3-02D/(RSC-1HP-410)/MS	REMOTE STARTER (1HP-410) FED FROM 600V MCC 1XS3-02D	GTE-SYLVANIA T40TA 1RSC-1HP-410/ENCL	AB 796
1XS3-02E/(1CCW-12)/MS	600V MCC 1XS3-02E STARTER (1CCW-12)	CLARK BUL 6030 CY-1 (B1A) 1XS3	AB 796
1XS3-03CB/(RSC-1LPSW-566)/MS	REMOTE STARTER (1LPSW-566) (FED FROM 600V MCC 1S3-03CB)	GTE-SYLVANIA BUL 6040 TM 1RSC-1LPSW-566/ENCL	AB 796

Appendix D - 01

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XS3-03CT/(RSC-1LPSW-565)/MS	REMOTE STARTER (1LPSW-565) (FED FROM 600V MCC 1XS3-03CT)	GTE-SYLVANIA BUL 6040 TM 1RSC-1LPSW-565/ENCL	AB 796
1XS3-05C/(1LPSW-21)/MS	208V MCC 1XS3-05C STARTER (1LPSW-21)	CLARK BUL 6030 CY-1 (H1A) 1XS3	AB 796
1XS3-05D/(1LP-19)/MS	208V MCC 1XS3-05D STARTER (1LP-19)	CLARK BUL 6030 CY-1 (H1) 1XS3	AB 796
1XS3-05E/(RBCUFAN1BDAMPER)/MS	208V MCC 1XS3-05E STARTER (RBCU FAN 1B DAMPER)	CLARK BUL 6030 CY-1 (H1) 1XS3	AB 796
1XSF-1-01D/(1RC-5)/MS	208V MCC 1XSF-1-01D STARTER (1RC-05)	GTE-SYLVANIA BUL 6240 1XSF-1(208V)	SSF 797
1XSF-1-01E/(1RC-6)/MS	208V MCC 1XSF-1-01E STARTER (1RC-06)	GTE-SYLVANIA BUL 6240 1XSF-1(208V)	SSF 797
1XSF-1-02B/(1HP-428)/MS	208V MCC 1XSF-1-02B STARTER (1HP-428)	GTE-SYLVANIA BUL 6240 1XSF-1(208V)	SSF 797
1XSF-F01BL(600V)/(RSC-1CCW-287)/MS	600V REMOTE STARTER (1CCW-287) (FED FROM 600V MCC 1XSF-F01BL)	GTE-SYLVANIA BUL 6038/40 TM 1RSC-1CCW-287/ENCL	SSF 758
1XSF-F01C(208V)/(1HP-3)/MS	208V MCC 1XSF-F01C STARTER (1HP-3)	GTE-SYLVANIA BUL 6240 1XSF(208V)	SSF 817
1XSF-F01C(600V)/(1FDW-347)/MS	600V MCC 1XSF-F01C STARTER (1FDW-347)	GTE-SYLVANIA BUL 6240 1XSF(600V)	SSF 817

Appendix D - 01

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 1 + SHARED EQUIPMENT

Page 21 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1XSF-F01D(208V)/(1HP-4)/MS	208V MCC 1XSF-F01D STARTER (1HP-4)	GTE-SYLVANIA BUL 6240 1XSF(208V)	SSF 817
1XSF-F01D(600V)/(1CCW-269)/MS	600V MCC 1XSF-F01D STARTER (1CCW-269)	GTE-SYLVANIA BUL 6240 1XSF(600V)	SSF 817
1XSF-F02B(600V)/(1HP-417)/MS	600V MCC 1XSF-F02B STARTER (1HP-417)	GTE-SYLVANIA BUL 6240 1XSF(600V)	SSF 817
1XSF-F02C(208V)/(1HP-20)/MS	208V MCC 1XSF-F02C STARTER (1HP-20)	GTE-SYLVANIA BUL 6240 1XSF(208V)	SSF 817
1XSF-F04B(600V)/(1HP-426)/MS	600V MCC 1XSF-F04B STARTER (1HP-426)	GTE-SYLVANIA BUL 6240 1XSF(600V)	SSF 817
1XSF-F05B(600V)/(1HP-405)/MS	600V MCC 1XSF-F05B STARTER (1HP-405)	GTE-SYLVANIA BUL 6240 1XSF(600V)	SSF 817
1XSF-F06C(600V)/(1RC-4)/MS	600V MCC 1XSF-F06C STARTER (1RC-04)	GTE-SYLVANIA BUL 6240 1XSF(600V)	SSF 817
1XSF-F06D(600V)/(1LP-103)/MS	600V MCC 1XSF-F06D STARTER (1LP-103)	GTE-SYLVANIA/CLAR BUL 6240 1XSF(600V)	SSF 817
25SK1(B1T-05)	U0 STBY BUS 1 FDR (SK1) SYNC RLY	WESTINGHOUSE CVE-1 (292B353A17) B1T	BH 796
25SK2(B2T-09)	U0 STBY BUS 2 FDR (SK2) SYNC RLY	WESTINGHOUSE CVE-1 (292B353A17) B2T	BH 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27(1TC-05)	CCW PUMP 1A UV RLY	WESTINGHOUSE CV-2 (1875508) ITC	TB 796
27(1TC-06)	CCW PUMP 1D UV RLY	WESTINGHOUSE CV-2 (1875508) ITC	TB 796
27(1TC-08)	HOTWELL PUMP 1A UV RLY	WESTINGHOUSE CV-2 (1875508) ITC	TB 796
27(1TC-13)	XFMR 1X01 UV RLY	WESTINGHOUSE CV-2 (1875508) ITC	TB 796
27(1TD-04)	CCW PUMP 1B UV RLY	WESTINGHOUSE CV-2 (1875508) 1TD	TB 796
27(1TD-06)	HOTWELL PUMP 1B UV RLY	WESTINGHOUSE CV-2 (1875508) 1TD	TB 796
27(1TD-13)	XFMR 1X02 UV RLY	WESTINGHOUSE CV-2 (1875508) 1TD	TB 796
27(1TE-03)	XFMR 1X04 UV RLY	WESTINGHOUSE CV-2 (1875508) 1TE	TB 796
27(1TE-04)	CCW PUMP 1C UV RLY	WESTINGHOUSE CV-2 (1875508) 1TE	TB 796
27(1TE-06)	HOTWELL PUMP 1C UV RLY	WESTINGHOUSE CV-2 (1875508) 1TE	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27B11A	U1 MFB 1 UV RLY PHASE A	CUTLER-HAMMER D23MR62A 1MFBMRP	AB 809
27B11B	U1 MFB 1 UV RLY PHASE B	CUTLER-HAMMER D23MR62A 1MFBMRP	AB 809
27B11C	U1 MFB 1 UV RLY PHASE C	CUTLER-HAMMER D23MR62A 1MFBMRP	AB 809
27B21A	U1 MFB 2 UV RLY PHASE A	CUTLER-HAMMER D23MR62A 1MFBMRP	AB 809
27B21B	U1 MFB 2 UV RLY PHASE B	CUTLER-HAMMER D23MR62A 1MFBMRP	AB 809
27B21C	U1 MFB 2 UV RLY PHASE C	CUTLER-HAMMER D23MR62A 1MFBMRP	AB 809
27EA/U1	PHASE A STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	AB 809
27EB/U1	PHASE B STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	AB 809
27EC/U1	PHASE C STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	AB 809
27EXA/U1	PHASE A STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Page 24 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27EXB/U1	PHASE B STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	AB 809
27EXC/U1	PHASE C STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	AB 809
27EYA1/U1	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYA1X/U1	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYA2/U1	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYA2X/U1	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYA3/U1	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYB1/U1	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYB1X/U1	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYB2/U1	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27EYB2X/U1	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYB3/U1	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYC1/U1	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYC1X/U1	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYC2/U1	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYC2X/U1	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27EYC3/U1	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27NA/U1	PHASE A NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	AB 809
27NB/U1	PHASE B NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	AB 809
27NC/U1	PHASE C NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 1EPSLP1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27NXA/U1	PHASE A NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	AB 809
27NXB/U1	PHASE B NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	AB 809
27NXC/U1	PHASE C NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 1EPSLP1	AB 809
27NYA1/U1	PHASE A NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27NYA2/U1	PHASE A NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27NYB1/U1	PHASE B NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27NYB2/U1	PHASE B NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27NYC1/U1	PHASE C NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
27NYC2/U1	PHASE C NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 1EPSLP1	AB 809
2RX/1	U2 STBY FDR BUS BKR (SK1) AUX CLOSE RLY	CUTLER-HAMMER D23MRD70A1 2EPSLP2	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2RX/2	U2 STBY FDR BUS BKR (SK2) AUX CLOSE RLY	CUTLER-HAMMER D23MRD70A1 2EPSLP2	AB 809
2XS3-05A/(0LPSW-139)/MS	208V MCC 2XS3-05A STARTER (0LPSW-139)	CLARK BUL 6030 CY-1 (H1A) 2XS3	AB 796
3RX/1	U3 STBY FDR BUS BKR (SK1) AUX CLOSE RLY	CUTLER-HAMMER D23MRD70A1 3EPSLP2	AB 809
3RX/2	U3 STBY FDR BUS BKR (SK2) AUX CLOSE RLY	CUTLER-HAMMER D23MRD70A1 3EPSLP2	AB 809
50-51X(ITC-02)	XFMR 1X07 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) ITC	TB 796
50-51X(ITC-03)	XFMR 1X08 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) ITC	TB 796
50-51X(ITC-04)	KEOWEE STBY XFMR CX OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) ITC	TB 796
50-51X(ITC-05)	CCW PUMP 1A FDR OC (X PHASE)	WESTINGHOUSE CO-5 (1875241) ITC	TB 796
50-51X(ITC-06)	CCW PUMP 1D FDR OC (X PHASE)	WESTINGHOUSE CO-5 (1875241) ITC	TB 796
50-51X(ITC-09)	HPI PUMP 1A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) ITC	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51X(1TC-10)	ILPI PUMP A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) ITC	TB 796
50-51X(1TC-12)	LPSW PUMP A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) ITC	TB 796
50-51X(1TC-13)	XFMR 1X01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) ITC	TB 796
50-51X(1TD-02)	XFMR 1X05 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 1TD	TB 796
50-51X(1TD-03)	XFMR 1X09 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 1TD	TB 796
50-51X(1TD-04)	CCW PUMP 1B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796
50-51X(1TD-09)	HPI PUMP 1C OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796
50-51X(1TD-10)	ILPI PUMP B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796
50-51X(1TD-13)	XFMR 1X02 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 1TD	TB 796
50-51X(1TD-15)	LPSW PUMP B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51X(1TE-02)	XFMR 1X06 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 1TE	TB 796
50-51X(1TE-03)	XFMR 1X04 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 1TE	TB 796
50-51X(1TE-04)	CCW PUMP 1C OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 1TE	TB 796
50-51X(1TE-09)	HPI PUMP 1B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 1TE	TB 796
50-51X(1TE-12)	XFMR 1X10 OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 1TE	TB 796
50-51X(2TC-11)	LPSW PUMP C OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51X(2TD-12)	LPSW PUMP B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796
50-51Z(1TC-02)	XFMR 1X07 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TC	TB 796
50-51Z(1TC-03)	XFMR 1X08 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TC	TB 796
50-51Z(1TC-04)	KEOWEE STBY XFMR CX OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TC	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51Z(1TC-05)	CCW PUMP 1A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TC	TB 796
50-51Z(1TC-06)	CCW PUMP 1D OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TC	TB 796
50-51Z(1TC-09)	HPI PUMP 1A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TC	TB 796
50-51Z(1TC-10)	1LPI PUMP A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TC	TB 796
50-51Z(1TC-12)	LPSW PUMP A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TC	TB 796
50-51Z(1TC-13)	XFMR 1X01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TC	TB 796
50-51Z(1TD-02)	XFMR 1X05 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TD	TB 796
50-51Z(1TD-03)	XFMR 1X09 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TD	TB 796
50-51Z(1TD-04)	CCW PUMP 1B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796
50-51Z(1TD-09)	HPI PUMP 1C OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51Z(1TD-10)	1LPI PUMP B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796
50-51Z(1TD-13)	XFMR 1X02 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TD	TB 796
50-51Z(1TD-15)	LPSW PUMP B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TD	TB 796
50-51Z(1TE-02)	XFMR 1X06 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TE	TB 796
50-51Z(1TE-03)	XFMR 1X04 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 1TE	TB 796
50-51Z(1TE-04)	CCW PUMP 1C OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TE	TB 796
50-51Z(1TE-09)	HPI PUMP 1B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TE	TB 796
50-51Z(1TE-12)	XFMR 1X10 OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 1TE	TB 796
50-51Z(2TC-11)	LPSW PUMP C OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51Z(2TD-12)	LPSW PUMP B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50BN11(B1T-03)	U1 NORM BKR N11 INSTANTANEOUS OC RLY	GENERAL-ELECTRIC CHC11A21A BIT	BH 796
50BN21(B2T-11)	U1 NORM BKR N21 INSTANTANEOUS OC RLY	GENERAL-ELECTRIC CHC11A21A B2T	BH 796
51G(1TC-01)	FDR BKR 1TC-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 1TC	TB 796
51G(1TC-14)	FDR BKR 1TC-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 1TC	TB 796
51G(1TD-01)	FDR BKR 1TD-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 1TD	TB 796
51G(1TD-14)	FDR BKR 1TD-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 1TD	TB 796
51G(1TE-01)	FDR BKR 1TE-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 1TE	TB 796
51G(1TE-14)	FDR BKR 1TE-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 1TE	TB 796
51G(B1T-01)	U1 STUP BKR E11 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B1T	BH 796
51G(B1T-03)	U1 NORM BKR N11 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B1T	BH 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51G(B1T-05)	U0 STBY BUS 1 FDR (SK1) GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B1T	BH 796
51G(B2T-09)	U0 STBY BUS 2 FDR (SK2) GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B2T	BH 796
51G(B2T-11)	U1 NORM BKR N21 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B2T	BH 796
51G(B2T-13)	U1 STUP BKR E21 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B2T	BH 796
51TN/CT1(230KV)	XFMR CT1 230 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875252) 1EB2	AB 822
51TN/CT1(4160V)	XFMR CT1 4.16 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 1EB2	AB 822
51TN/CT1(6900V)	XFMR CT1 6.9 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 1EB2	AB 822
51TN/CT4	XFMR CT4 NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 1EB1	AB 822
51TN/CT5	CT5 XFMR NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 2EB1	AB 822
51TN/CT5(4KV)	CT5 XFMR 4 KV NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 2EB1	AB 822

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51X(1TC-01)	FDR BKR 1TC-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 1TC	TB 796
51X(1TC-14)	FDR BKR 1TC-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 1TC	TB 796
51X(1TD-01)	FDR BKR 1TD-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 1TD	TB 796
51X(1TD-14)	FDR BKR 1TD-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 1TD	TB 796
51X(1TE-01)	FDR BKR 1TE-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 1TE	TB 796
51X(1TE-14)	FDR BKR 1TE-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 1TE	TB 796
51X(B1T-01)	U1 STUP BKR E11 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51X(B1T-03)	U1 NORM BKR N11 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51X(B1T-05)	U0 STBY BUS 1 FDR (SK1) OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51X(B2T-09)	U0 STBY BUS 2 FDR (SK2) OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51X(B2T-11)	U1 NORM BKR N21 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51X(B2T-13)	U1 STUP BKR E21 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Y(B1T-01)	U1 STUP BKR E11 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51Y(B1T-03)	U1 NORM BKR N11 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51Y(B1T-05)	U0 STBY BUS 1 FDR (SK1) OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51Y(B2T-09)	U0 STBY BUS 2 FDR (SK2) OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Y(B2T-11)	U1 NORM BKR N21 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Y(B2T-13)	U1 STUP BKR E21 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Z(ITC-01)	FDR BKR ITC-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) ITC	TB 796
51Z(ITC-14)	FDR BKR ITC-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) ITC	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51Z(1TD-01)	FDR BKR 1TD-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 1TD	TB 796
51Z(1TD-14)	FDR BKR 1TD-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 1TD	TB 796
51Z(1TE-01)	FDR BKR 1TE-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 1TE	TB 796
51Z(1TE-14)	FDR BKR 1TE-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 1TE	TB 796
51Z(B1T-01)	U1 STUP BKR E11 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51Z(B1T-03)	U1 NORM BKR N11 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51Z(B1T-05)	U0 STBY BUS 1 FDR (SK1) OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B1T	BH 796
51Z(B2T-09)	U0 STBY BUS 2 FDR (SK2) OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Z(B2T-11)	U1 NORM BKR N21 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Z(B2T-13)	U1 STUP BKR E21 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
62B1/PCB-17	PCB 17 AUX BKR FAIL RLY	STRUTHERS-DUNN 219BBXP 1EB2	AB 822
62B1/PCB-18	PCB 18 AUX BKR FAIL RLY	STRUTHERS-DUNN 219BBXP 1EB2	AB 822
62B11(B1T-01)	U1 MAIN BUS 1 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 1EPSLP3	AB 809
62B21(B2T-13)	U1 MAIN BUS 2 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 1EPSLP3	AB 809
62BX(1TC-01)	FDR BKR 1TC-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 1TC	TB 796
62BX(1TC-14)	FDR BKR 1TC-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 1TC	TB 796
62BX(1TD-01)	FDR BKR 1TD-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 1TD	TB 796
62BX(1TD-14)	FDR BKR 1TD-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 1TD	TB 796
62BX(1TE-01)	FDR BKR 1TE-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 1TE	TB 796
62BX(1TE-14)	FDR BKR 1TE-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 1TE	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
62BXE11(B1T-01)	U1 STUP BKR E11 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXE21(B2T-12)	U1 STUP BKR E21 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62BXN11(B1T-03)	U1 NORM BKR N11 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXN21(B2T-12)	U1 NORM BKR N21 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62BXS11(B1T-06)	U1 STBY BKR S11 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXS21(B2T-08)	U1 STBY BKR S21 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62BXS1(B1T-05)	U0 STBY BUS 1 BKR (SK1) FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXS2(B2T-09)	U0 STBY BUS 2 BKR (SK2) FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62BXSL1(B1T-09)	BKR FAIL AUX RLY (SL1)	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXSL2(B2T-05)	BKR FAIL AUX RLY (SL2)	WESTINGHOUSE AR (606B029A09) B2T	BH 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
62CT5/1(B1T-09)	BKR FAIL AUX RLY (CT5)	CUTLER-HAMMER D26MRD70A1/D87XEL3 2TB-1001	BH 796
62CT5/2(B2T-05)	BKR FAIL AUX RLY (CT5)	CUTLER-HAMMER D26MRD70A1/D87XEL3 2TB-1001	BH 796
62SB1(B1T-07)	STANDBY BUS 1 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 1KESP	AB 809
62SB2(B2T-07)	STANDBY BUS 2 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 1KESP	AB 809
83-L/SSV/U1	ICS CONTROL LATCHING RLY (1RC-3) (SHOWN AS MO & MC CONTACTS)	POTTER-BRUMFIELD KRP11AG 1ICS	AB 822
83/SIHF/U1	RCP SEAL INLET FLOW AUTO-MAN TRANS RELAY	BAILEY CONTROLS 6614306-1 1ICS	AB 822
86(ITC-01)	FDR BKR ITC-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 1TC	TB 796
86(ITC-14)	FDR BKR ITC-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 1TC	TB 796
86(1TD-01)	FDR BKR 1TD-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 1TD	TB 796
86(1TD-14)	FDR BKR 1TD-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 1TD	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Page 40 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
86(1TE-01)	FDR BKR 1TE-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 1TE	TB 796
86(1TE-14)	FDR BKR 1TE-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 1TE	TB 796
86/CT1	CT1 XFMR LOCKOUT RLY	GENERAL-ELECTRIC HEA61C245 1EB2	AB 822
86/CT4	CT4 XFMR LOCKOUT RLY	GENERAL-ELECTRIC HEA61B238 1EB1	AB 822
86B11(B1T-02)	U1 MFB 1 LOCKOUT RLY	ELECTRO-SWITCH LOR B1T	BH 796
86B21(B2T-12)	U1 MFB 2 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C239 B2T	BH 796
86BU1	U1 STUP BUS LOCKOUT RLY	ELECTRO-SWITCH LOR (SERIES 24) ITCPA	TB 796
86CT4X(B2T-09)	CT4 XFMR LOCKOUT AUX RLY	CUTLER-HAMMER D23MRD70A1 B2T	BH 796
86CXX(1TC-04)	KEOWEE STAND-BY XFMR CX LOCKOUT AUX RLY	STRUTHERS-DUNN 219BBXP 1TC	TB 796
86E11(B1T-01)	U1 STUP BKR E11 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B1T	BH 796

Appendix D - O1

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
86E21(B2T-13)	U1 STUP BKR E21 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B2T	BH 796
86N11(B1T-03)	U1 NORM BKR N11 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B1T	BH 796
86N21(B2T-11)	U1 NORM BKR N21 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B2T	BH 796
86SB1(B1T-07)	STBY BUS 1 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B1T	BH 796
86SB2(B2T-07)	STBY BUS 2 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B2T	BH 796
86T/CT5	CT5 XFMR LOCKOUT RLY	GENERAL-ELECTRIC HEA61B238 2EB1	AB 822
86TX(B2T-12)	CT1 XFMR LOCKOUT AUX RLY	CUTLER-HAMMER D23MRD70A1 B2T	BH 796
86XB11(B1T-02)	U1 MFB 1 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) B1T	BH 796
86XB21(B2T-12)	U1 MFB 2 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) B2T	BH 796
86XSB1(B1T-06)	STBY BUS 1 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) B1T	BH 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
86XSB2(B2T-06)	STBY BUS 2 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) B2T	BH 796
87B11(X)(B1T-02)	U1 MFB 1 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87B11(Y)(B1T-02)	U1 MFB 1 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87B11(Z)(B1T-02)	U1 MFB 1 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87B21(X)(B2T-12)	U1 MFB 2 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87B21(Y)(B2T-12)	U1 MFB 2 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87B21(Z)(B2T-12)	U1 MFB 2 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87BU1(X)	U1 STUP BUS DIFF RLY (X PHASE)	GENERAL-ELECTRIC PVD11C11A (Low ITCPA	TB 796
87BU1(Y)	U1 STUP BUS DIFF RLY (Y PHASE)	GENERAL-ELECTRIC PVD11C11A (Low ITCPA	TB 796
87BU1(Z)	U1 STUP BUS DIFF RLY (Z PHASE)	GENERAL-ELECTRIC PVD11C11A (Low ITCPA	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
87SB1(X)(B1T-07)	STBY BUS 1 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87SB1(Y)(B1T-07)	STBY BUS 1 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87SB1(Z)(B1T-07)	STBY BUS 1 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87SB2(X)(B2T-07)	STBY BUS 2 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87SB2(Y)(B2T-07)	STBY BUS 2 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87SB2(Z)(B2T-07)	STBY BUS 2 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87T/CT1(X)	CT1 XFMR DIFF RLY (X PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 1EB2	AB 822
87T/CT1(Y)	CT1 XFMR DIFF RLY (Y PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 1EB2	AB 822
87T/CT1(Z)	CT1 XFMR DIFF RLY (Z PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 1EB2	AB 822
87T/CT4(X)	CT4 XFMR DIFF RLY (X PHASE)	WESTINGHOUSE HU (Low Ruggedness) 1EB1	AB 822

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
87T/CT4(Y)	CT4 XFMR DIFF RLY (Y PHASE)	WESTINGHOUSE HU (Low Ruggedness) 1EB1	AB 822
87T/CT4(Z)	CT4 XFMR DIFF RLY (Z PHASE)	WESTINGHOUSE HU (Low Ruggedness) 1EB1	AB 822
87T/CT5(X)	CT5 XFMR DIFF RLY (X PHASE)	WESTINGHOUSE HU (Low Ruggedness) 2EB1	AB 822
87T/CT5(Y)	CT5 XFMR DIFF RLY (Y PHASE)	WESTINGHOUSE HU (Low Ruggedness) 2EB1	AB 822
87T/CT5(Z)	CT5 XFMR DIFF RLY (Z PHASE)	WESTINGHOUSE HU (Low Ruggedness) 2EB1	AB 822
87TB/CT1(X)	CT1 XFMR 230KV SUPPLY BUS DIFF RLY (X PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 1EB2	AB 822
87TB/CT1(Y)	CT1 XFMR 230KV SUPPLY BUS DIFF RLY (Y PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 1EB2	AB 822
87TB/CT1(Z)	CT1 XFMR 230KV SUPPLY BUS DIFF RLY (Z PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 1EB2	AB 822
94(ITC-01)	FDR BKR ITC-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) ITC	TB 796
94(ITC-14)	FDR BKR ITC-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) ITC	TB 796

Appendix D - 01

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 1 + SHARED EQUIPMENT

Page 45 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
94(1TD-01)	FDR BKR 1TD-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 1TD	TB 796
94(1TD-14)	FDR BKR 1TD-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 1TD	TB 796
94(1TE-01)	FDR BKR 1TE-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 1TE	TB 796
94(1TE-14)	FDR BKR 1TE-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 1TE	TB 796
94E11(B1T-01)	U1 STUP BKR E11 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B1T	BH 796
94E21(B2T-13)	U1 STUP BKR E21 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B2T	BH 796
94N11(B1T-03)	U1 NORM BKR N11 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B1T	BH 796
94N21(B2T-11)	U1 NORM BKR N21 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B2T	BH 796
94S11(B1T-06)	U1 STBY BKR S11 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B1T	BH 796
94S21(B2T-08)	U1 STBY BKR S21 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B2T	BH 796

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Page 47 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
ANACHAN2BI/U1(Typical)	BISTABLE MODULE (ES CH 2)	BAILEY CONTROLS 6621500E1 IESFAS	AB 822
ANACHAN2LB/U1(Typical)	LOGIC BUFFER MODULE (ES CH 2)	BAILEY CONTROLS 6624726A1 IESFAS	AB 822
ANACHAN3AR/U1(Typical)	AUX RLY MODULE (ES CH 3)	BAILEY CONTROLS 6622510 IESFAS	AB 822
ANACHAN3BI/U1(Typical)	BISTABLE MODULE (ES CH 3)	BAILEY CONTROLS 6621500E1 IESFAS	AB 822
ANACHAN3LB/U1(Typical)	LOGIC BUFFER MODULE (ES CH 3)	BAILEY CONTROLS 6624726A1 IESFAS	AB 822
BGAA	UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192)	CUTLER-HAMMER D26MR22A 1AT3	AB 809
BGAB	UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192)	CUTLER-HAMMER D26MR22A 1AT3	AB 809
CCWPX/1A	CCW PUMP 1A AUX RLY	CUTLER-HAMMER D23MRD704A1 1MTC1	AB 809
CCWPX/1B	CCW PUMP 1B AUX RLY	CUTLER-HAMMER D23MRD704A1 1MTC1	AB 809
CCWPX/1C	CCW PUMP 1C AUX RLY	CUTLER-HAMMER D23MRD704A1 1MTC1	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
CCWPX/1D	CCW PUMP 1D AUX RLY	CUTLER-HAMMER D23MRD704A1 1MTC1	AB 809
CIR-E11(B1T-01)	U1 STUP BKR E11 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B1T	BH 796
CIR-E21(B2T-13)	U1 STUP BKR E21 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B2T	BH 796
CIR-S11(B1T-06)	U1 STBY BKR S11CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B1T	BH 796
CIR-S21(B2T-08)	U1 STBY BKR S21 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B2T	BH 796
CIR-SK1(B1T-05)	U0 STBY BUS 1 FDR (SK1) CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B1T	BH 796
CIR-SK2(B2T-09)	U0 STBY BUS 2 FDR (SK2) CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B2T	BH 796
CLS1(1TC-02)	U1 LOADSHED (C) RLY	CUTLER-HAMMER D23MRD70A1/D26MF 1TC	TB 796
CLS2(1TC-15)	U1 LOADSHED (C) RLY	CUTLER-HAMMER D23MRD70A1/D26MF 1TC	TB 796
CONTBUFF(ESCHAN1)/U1(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 1)	BAILEY CONTROLS 6623999A1 2ESFAS	AB 822

Appendix D - 01

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 1 + SHARED EQUIPMENT

Page 49 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
CONTBUFF(ESCHAN2)/U1(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 2)	BAILEY CONTROLS 6623999A1 1ESFAS	AB 822
CONTBUFF(ESCHAN3)/U1(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 3)	BAILEY CONTROLS 6623999A1 3ESFAS	AB 822
CR-14	POL DEMIN ISOL VALVE C-232 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-16	POL DEMIN ISOL VALVE C-237 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-18	POL DEMIN ISOL VALVE C-244 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-20	POL DEMIN ISOL VALVE C-251 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-22	POL DEMIN ISOL VALVE C-258 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-28	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CRV3/U1	IRC-66 SOLENOID ACTUATOR CONTACTOR	ITE/GOULD P102C111 1MTC4	AB 809
CX1/U1	UST BOTTOM TIE VALVE CONT RLY	CUTLER-HAMMER D23MR80A 1MTC3	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH1AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 1)	BAILEY CONTROLS 6622510C 1ESFAS	AB 822
DIGCH1CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 1)	BAILEY CONTROLS 6623999A 1ESFAS	AB 822
DIGCH1LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 1)	BAILEY CONTROLS 6624040A 1ESFAS	AB 822
DIGCH1TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 1)	BAILEY CONTROLS 6624010A 1ESFAS	AB 822
DIGCH2AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 2)	BAILEY CONTROLS 6622510C 1ESFAS	AB 822
DIGCH2CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 2)	BAILEY CONTROLS 6623999A 1ESFAS	AB 822
DIGCH2LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 2)	BAILEY CONTROLS 6624040A 1ESFAS	AB 822
DIGCH2TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 2)	BAILEY CONTROLS 6624010A 1ESFAS	AB 822
DIGCH3AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 3)	BAILEY CONTROLS 6622510C 1ESFAS	AB 822
DIGCH3CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 3)	BAILEY CONTROLS 6623999A 1ESFAS	AB 822

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH3LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 3)	BAILEY CONTROLS 6624040A 1ESFAS	AB 822
DIGCH3TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 3)	BAILEY CONTROLS 6624010A 1ESFAS	AB 822
DIGCH4AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 4)	BAILEY CONTROLS 6622510C 1ESFAS	AB 822
DIGCH4CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 4)	BAILEY CONTROLS 6623999A 1ESFAS	AB 822
DIGCH4LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 4)	BAILEY CONTROLS 6624040A 1ESFAS	AB 822
DIGCH4TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 4)	BAILEY CONTROLS 6624010A 1ESFAS	AB 822
DIGCH5AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 5)	BAILEY CONTROLS 6622510C 1ESFAS	AB 822
DIGCH5CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 5)	BAILEY CONTROLS 6623999A 1ESFAS	AB 822
DIGCH5LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 5)	BAILEY CONTROLS 6624040A 1ESFAS	AB 822
DIGCH5TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 5)	BAILEY CONTROLS 6624010A 1ESFAS	AB 822

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH6AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 6)	BAILEY CONTROLS 6622510C IESFAS	AB 822
DIGCH6CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 6)	BAILEY CONTROLS 6623999A IESFAS	AB 822
DIGCH6LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 6)	BAILEY CONTROLS 6624040A IESFAS	AB 822
DIGCH6TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 6)	BAILEY CONTROLS 6624010A IESFAS	AB 822
DIGCH7AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 7)	BAILEY CONTROLS 6622510C IESFAS	AB 822
DIGCH7CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 7)	BAILEY CONTROLS 6623999A IESFAS	AB 822
DIGCH7LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 7)	BAILEY CONTROLS 6624040A IESFAS	AB 822
DIGCH7TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 7)	BAILEY CONTROLS 6624010A IESFAS	AB 822
DIGCH8AR/U1(Typical)	AUX RLY MODULE (ES DIG CH 8)	BAILEY CONTROLS 6622510C IESFAS	AB 822
DIGCH8CB/U1(Typical)	CONTACT BUFFER MODULE (ES DIG CH 8)	BAILEY CONTROLS 6623999A IESFAS	AB 822

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH8LT/U1(Typical)	LOGIC TEST MODULE (ES DIG CH 8)	BAILEY CONTROLS 6624040A 1ESFAS	AB 822
DIGCH8TL/U1(Typical)	TRIP LOGIC MODULE (ES DIG CH 8)	BAILEY CONTROLS 6624010A 1ESFAS	AB 822
DLS1(1TD-02)	U1 LOADSHED (D) RLY	CUTLER-HAMMER D23MRD704A1 1TD	TB 796
DLS2(1TD-16)	U1 LOADSHED (D) RLY	CUTLER-HAMMER D23MRD704A1 1TD	TB 796
ELS1(1TE-02)	U1 LOADSHED (E) RLY	CUTLER-HAMMER D23MRD704A1 1TE	TB 796
ELS2(1TE-15)	U1 LOADSHED (E) RLY	CUTLER-HAMMER D23MRD704A1 1TE	TB 796
HP11XR/U1	LOW RC SEAL INLET FLOW AUX RLY (HPI PUMP's A & B)	CUTLER-HAMMER D23MRD70A1 1MTC3	AB 809
K5/U1	LP-126 CONTROL RLY	POTTER-BRUMFIELD KRP11AG 1PASCP	AB 771
KA	KEOWEE EM START RLY (CH A)	CUTLER-HAMMER D23MRD70A1 1KESP	AB 809
KB	KEOWEE EM START RLY (CH B)	CUTLER-HAMMER D23MRD70A1 1KESP	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Page 54 of 60

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
LR-1	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-10	POL DEMIN ISOL VALVE C-258 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-2	POL DEMIN ISOL VALVE C-232 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-3	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-4	POL DEMIN ISOL VALVE C-237 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-5	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-6	POL DEMIN ISOL VALVE C-244 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-7	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-8	POL DEMIN ISOL VALVE C-251 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-9	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
NAS1/U1(FDWEP0270)	AUX RELAY CARD FOR (FDWEP0270)	WESTINGHOUSE 2838A89G01 1SGLC	AB 809
NAS1/U1(FDWEP0271)	AUX RELAY CARD FOR (FDWEP0271)	WESTINGHOUSE 2838A89G01 1SGLC	AB 809
NAS1/U1(FDWEP0272)	AUX RELAY CARD FOR (FDWEP0272)	WESTINGHOUSE 2838A89G01 1SGLC	AB 809
NAS1/U1(FDWEP0273)	AUX RELAY CARD FOR (FDWEP0273)	WESTINGHOUSE 2838A89G01 1SGLC	AB 809
NCD/U1(FDWEP0270)	DRIVER CARD FOR (FDWEP0270)	WESTINGHOUSE 2837A16G03 1SGLC	AB 809
NCD/U1(FDWEP0271)	DRIVER CARD FOR (FDWEP0271)	WESTINGHOUSE 2837A16G03 1SGLC	AB 809
NCD/U1(FDWEP0272)	DRIVER CARD FOR (FDWEP0272)	WESTINGHOUSE 2837A16G03 1SGLC	AB 809
NCD/U1(FDWEP0273)	DRIVER CARD FOR (FDWEP0273)	WESTINGHOUSE 2837A16G03 1SGLC	AB 809
PHRX/RX-10	PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP K)	CLARK X5U5-3 PM 1XK	AB 809
PHRX/RX-7/U1	PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP D)	CLARK X5U5-3 PM 1XJ	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
PHRX/RX-8/U1	PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP C)	CLARK X5U5-3 PM 1XI	AB 809
POL/AH/U1	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR402A 1MTC1	AB 809
POL/AM/U1	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR402A 1MTC1	AB 809
POL/BH/U1	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR402A 1MTC1	AB 809
POL/BM/U1	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR402A 1MTC1	AB 809
PRTC(ESCHAN1)/U1	PRESS TEST CIRCUIT MODULE (ES CHANNEL 1)	BAILEY CONTROLS 6623705A1 2ESFAS	AB 822
PRTC(ESCHAN2)/U1	PRESS TEST CIRCUIT MODULE (ES CHANNEL 2)	BAILEY CONTROLS 6623705A1 2ESFAS	AB 822
PRTC(ESCHAN3)/U1	PRESS TEST CIRCUIT MODULE (ES CHANNEL 3)	BAILEY CONTROLS 6623705A1 2ESFAS	AB 822
RE-1/U1	INTERPOSING AUX RLY FOR TX11B & TX21B	CUTLER-HAMMER D23MRD30A1 1UB2	AB 822
RE-2/U1	INTERPOSING AUX RLY FOR TX11A & TX21A	CUTLER-HAMMER D23MRD30A1 1UB1	AB 822

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
RO(1BS-1)(BS-V1A)(1ES-7)	RO RLY (1BS-1)	BAILEY CONTROLS 6623990 IESFAS	AB 822
RO(1BS-2)(BS-V1B)(1ES-8)	RO RLY (1BS-2)	BAILEY CONTROLS 6623990 IESFAS	AB 822
RO(RBCU-1A)(1ES-5)	RO RLY (RBCU 1A)	BAILEY CONTROLS 6623990 IESFAS	AB 822
RO(RBCU-1C)(1ES-6)	RO RLY (RBCU 1C)	BAILEY CONTROLS 6623990 IESFAS	AB 822
RTC-B/U1	REACTOR TRIP CONFIRMED AUX RELAY	CUTLER-HAMMER D23MRD074T1-24V ICRDACBKRCAB	AB 809
RV3X/U1	IRC-66 CONTROL RLY	STRUTHERS-DUNN 219BBXP 1MTC3	AB 809
RV3XA/U1	IRC-66 CONTROL RLY	STRUTHERS-DUNN 219BBXP 1MTC3	AB 809
RX/AAU1	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 1SGLC	AB 809
RX/ABU1	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 1SGLC	AB 809
RX/BAU1	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 1SGLC	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
RX/BBU1	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 1SGLC	AB 809
RXA/U1	1FDW-315 CONTROL RLY	CUTLER-HAMMER D26MRD70A1 1UB1	AB 822
RXB/U1	1FDW-316 CONTROL RLY	CUTLER-HAMMER D26MRD70A1 1UB1	AB 822
RXE1(B1T-02)	U1 STUP BKR E1 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B1T	BH 796
RXE2(B1T-02)	U1 STUP BKR E2 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B1T	BH 796
RYE1(B2T-12)	U1 STUP BKR E1 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B2T	BH 796
RYE2(B2T-12)	U1 STUP BKR E2 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B2T	BH 796
S-222/1ET	CCW EM TRIP RLY	GENERAL-ELECTRIC HEA61C246 1AB3	AB 822
SIA	SWYD ISOLATED AUX RELAY (CH A)	CUTLER-HAMMER D23MRD70A1 1KESP	AB 809
SIB	SWYD ISOLATED AUX RELAY (CH B)	CUTLER-HAMMER D23MRD70A1 1KESP	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
SK1/CP	U0 STBY BUS 1 FDR (SK1) CLOSE PERMISSIVE RLY	STRUTHERS-DUNN 219DXBP B1T	BH 796
SK2/CP	U0 STBY BUS 2 FDR (SK2) CLOSE PERMISSIVE RLY	STRUTHERS-DUNN 219DXBP B2T	BH 796
SLP1A	STBY BUS UV AUX RLY (BKR SK PERMISSIVE)	CUTLER-HAMMER D23MRD30A1 1EPSLP2	AB 809
SLP1B	STBY BUS UV AUX RLY (BKR SK PERMISSIVE)	CUTLER-HAMMER D23MRD30A1 1EPSLP2	AB 809
SLP2A	STBY BUS UV AUX RLY (BKR SK PERMISSIVE)	CUTLER-HAMMER D23MRD30A1 1EPSLP2	AB 809
SLP2B	STBY BUS UV AUX RLY (BKR SK PERMISSIVE)	CUTLER-HAMMER D23MRD30A1 1EPSLP2	AB 809
TDR1A(B1T-02)	U1 STUP BKR E11 TIME DELAY RLY A	AGASTAT 2412 PB B1T	BH 796
TDR1A(B2T-12)	U1 STUP BKR E21 TIME DELAY RLY A	AGASTAT 2412 PB B2T	BH 796
TX11A	AUX RLY FOR T11A	CUTLER-HAMMER D23MRD074A1 1MFBMRP	AB 809
TX11B	AUX RLY FOR T11B	CUTLER-HAMMER D23MRD074A1 1MFBMRP	AB 809

Appendix D - 01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
TX21A	AUX RLY FOR T21A	CUTLER-HAMMER D23MRD074A1 1MFBMRP	AB 809
TX21B	AUX RLY FOR T21B	CUTLER-HAMMER D23MRD074A1 1MFBMRP	AB 809
XKT-801/U1	EHC SYSTEM MASTER TRIP RELAY	GENERAL-ELECTRIC CR120 1EHC1	AB 809
XKT-802/U1	EHC SYSTEM MECHANICAL TRIP RELAY	GENERAL-ELECTRIC CR120 1EHC1	AB 809
XOD1-03A/1CCW-26/MS	208V MCC XOD1-03A STARTER (1CCW-26)	CLARK BUL 6240 CY-1 XOD1	YD 796
XOD1-03B/1CCW-28/MS	208V MCC XOD1-03B STARTER (1CCW-28)	CLARK BUL 6240 CY-1 XOD1	YD 796
XOD2A-03A/1CCW-27/MS	208V MCC XOD2A-03A STARTER (1CCW-27)	CLARK T310031-76 XOD2A	YD 796
XOD2A-03B/1CCW-29/MS	208V MCC XOD2A-03B STARTER (1CCW-29)	CLARK T310031-76 XOD2A	YD 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
259G	PZR HTR GROUND RLY (PZR HTR BANK 2 GROUP B)	WESTINGHOUSE CV-8 (183A205A15) PHC/SSF	SSF 777
27(2TC-02)	XFMR 2X01 UV RLY	WESTINGHOUSE CV-2 (1875508) 2TC	TB 796
27(2TC-04)	CCW PUMP 2A UV RLY	WESTINGHOUSE CV-2 (1875508) 2TC	TB 796
27(2TC-05)	CCW PUMP 2D UV RLY	WESTINGHOUSE CV-2 (1875508) 2TC	TB 796
27(2TC-07)	HOTWELL PUMP 2A UV RLY	WESTINGHOUSE CV-2 (1875508) 2TC	TB 796
27(2TD-02)	XFMR 2X02 UV RLY	WESTINGHOUSE CV-2 (1875508) 2TD	TB 796
27(2TD-04)	CCW PUMP 2B UV RLY	WESTINGHOUSE CV-2 (1875508) 2TD	TB 796
27(2TD-06)	HOTWELL PUMP 2B UV RLY	WESTINGHOUSE CV-2 (1875508) 2TD	TB 796
27(2TE-02)	XFMR 2X03 UV RLY	WESTINGHOUSE CV-2 (1875508) 2TE	TB 796
27(2TE-04)	CCW PUMP 2C UV RLY	WESTINGHOUSE CV-2 (1875508) 2TE	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27(2TE-06)	HOTWELL PUMP 2C UV RLY	WESTINGHOUSE CV-2 (1875508) 2TE	TB 796
27B12A	U2 MFB 1 UV RLY PHASE A	CUTLER-HAMMER D23MR62A 2MFBMRP	AB 809
27B12B	U2 MFB 1 UV RLY PHASE B	CUTLER-HAMMER D23MR62A 2MFBMRP	AB 809
27B12C	U2 MFB 1 UV RLY PHASE C	CUTLER-HAMMER D23MR62A 2MFBMRP	AB 809
27B22A	U2 MFB 2 UV RLY PHASE A	CUTLER-HAMMER D23MR62A 2MFBMRP	AB 809
27B22B	U2 MFB 2 UV RLY PHASE B	CUTLER-HAMMER D23MR62A 2MFBMRP	AB 809
27B22C	U2 MFB 2 UV RLY PHASE C	CUTLER-HAMMER D23MR62A 2MFBMRP	AB 809
27EA/U2	PHASE A STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	AB 809
27EB/U2	PHASE B STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	AB 809
27EC/U2	PHASE C STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27EXA/U2	PHASE A STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	AB 809
27EXB/U2	PHASE B STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	AB 809
27EXC/U2	PHASE C STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	AB 809
27EYA1/U2	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYA1X/U2	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYA2/U2	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYA2X/U2	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD70A1 2EPSLP1	AB 809
27EYA3/U2	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYB1/U2	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYB1X/U2	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 4 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27EYB2/U2	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYB2X/U2	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYB3/U2	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYC1/U2	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYC1X/U2	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYC2/U2	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYC2X/U2	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27EYC3/U2	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27NA/U2	PHASE A NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	AB 809
27NB/U2	PHASE B NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 5 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27NC/U2	PHASE C NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 2EPSLP1	AB 809
27NXA/U2	PHASE A NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	AB 809
27NXB/U2	PHASE B NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	AB 809
27NXC/U2	PHASE C NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 2EPSLP1	AB 809
27NYA1/U2	PHASE A NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27NYA2/U2	PHASE A NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27NYB1/U2	PHASE B NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27NYB2/U2	PHASE B NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27NYC1/U2	PHASE C NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
27NYC2/U2	PHASE C NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2BSPS0018	RB PRESS SWITCH (ES CH 2A)	ASCO SA21AR/TD20A32R 2BSPS0018	AB 809
2BSPS0019	RB PRESS SWITCH (ES CH 2A)	ASCO SA21AR/TD20A32R 2BSPS0019	AB 809
2BSPS0020	RB PRESS SWITCH (ES CH 2B)	ASCO SA21AR/TD20A32R 2BSPS0020	AB 809
2BSPS0021	RB PRESS SWITCH (ES CH 2B)	ASCO SA21AR/TD20A32R 2BSPS0021	AB 809
2BSPS0022	RB PRESS SWITCH (ES CH 2C)	ASCO SA21AR/TD20A32R 2BSPS0022	AB 809
2BSPS0023	RB PRESS SWITCH (ES CH 2C)	ASCO SA21AR/TD20A32R 2BSPS0023	AB 809
2CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)	ITT BARTON 581A-2 2CPS0015	TB 838
2CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)	ITT BARTON 581A-2 2CPS0036	TB 838
2CR-01(2BS-1)(BS-V1A)(2ES-7)	2BS-1 ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 2ESTC1	AB 809
2CR-04(2BS-2)(BS-V1B)(2ES-8)	2BS-2 ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 2ESTC2	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 7 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2CR-64(RBCU-2A)(RBCU-2A)(2ES-5)	RBCU 2A ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR80A 2ESTC1	AB 809
2CR-72(RBCU-2C)(2ES-6)	RBCU 2C ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR80A 2ESTC2	AB 809
2ETX	EM TRIP AUX RLY	STRUTHERS-DUNN 219BBXP 2MTC1	AB 809
2ETXI	EM TRIP AUX RLY	STRUTHERS-DUNN 219BBXP 2MTC1	AB 809
2FDWPS0251	FEEDWATER PUMP 2A DISCHARGE PRESS LOW	STATIC-O-RING 9NN-K45-N4-F1A 2MC-2	TB 775
2FDWPS0253	FEEDWATER PUMP 2B DISCHARGE PRESS LOW	STATIC-O-RING 9NN-K45-N4-F1A 2MC-1	TB 775
2FDWPS0382	FWP 2B CONTROL OIL PRESS SWITCH	CUSTOM CC-604GZ3 2B TBOX EH	TB 775
2FDWPS0383	FWPT 2A CONTROL OIL PRESS SWITCH	CUSTOM CC-604GZ3 2B TBOX EH	TB 775
2FDWPS0384	FWP 2A CONTROL OIL PRESS SWITCH	CUSTOM CC-604GZ3 2A TBOX EH	TB 775
2FDWPS0385	FWP 2B CONTROL OIL PRESS SWITCH	CUSTOM CC-604GZ3 2B TBOX EH	TB 775

Appendix D - O2

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Page 8 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2HP32-FS1	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 2ICS	AB 822
2HP32-FS2	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 2ICS	AB 822
2HP32-FS3	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 2ICS	AB 822
2HP32-FS4	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 2ICS	AB 822
2HP53-FS	RCP SEAL INLET FLOW SWITCH (ELECTRONIC MODULE)	SAIC RP 2049-2 2ICS	AB 822
2HP60-FS	LOW RC PUMP SEAL FLOW	BAILEY CONTROLS 6613303-1 2ICS	AB 822
2PHRX	PZR HTR GROUND AUX RLY	CUTLER-HAMMER D26MR40A PHC/SSF	SSF 777
2POX1	ALL CCWP OFF AUX RLY	CUTLER-HAMMER D23MRD804A 2MTC1	AB 809
2POX3	ONLY 1 CCW PUMP OPER IN STAT AUX RLY	CUTLER-HAMMER D23MR80A 2MTC1	AB 809
2POX4	CCW TIME DELAY RLY	AGASTAT 2412 AD 2MTC1	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 9 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2POX5	CCW SYS CONTROL RLY	CUTLER-HAMMER D26MR40A 2MTC1	AB 809
2R01	FWPT 2A BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD07A1 2MTC2	AB 809
2R02	FWPT 2A BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 2MTC2	AB 809
2R03	FWPT 2B BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 2MTC2	AB 809
2R04	FWPT 2B BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD07A1 2MTC2	AB 809
2R09	FWP 2A SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 2MTC2	AB 809
2R10	FWP 2A SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD07A1 2MTC2	AB 809
2R11	FWP 2B SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 2MTC2	AB 809
2R12	FWP 2B SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD07A1 2MTC2	AB 809
2R13	FWP DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 2MTC2	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2R14	FWP DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D23MRD07A1 2MTC2	AB 809
2R251	FWP 2A DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D26MRD40A1 2MTC2	AB 809
2R253	FWP 2B DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D26MRD40A1 2MTC2	AB 809
2RC3/PS8	RC PRESSURE CONTROL SWITCH	BAILEY CONTROLS 6613303-1 2ICS	AB 822
2RCTI0148	2RC-66 CONTROL TIMER	AGASTAT 7012 PB 2MTC3	AB 809
2RLS1	CH A LOAD SHED TIMING RLY	WESTINGHOUSE TD-5 (293B301A25) 2EPSLP1	AB 809
2RLS1X	CH A LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
2RLS1X1	CH A LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD43A1 2EPSLP1	AB 809
2RLS2	CH B LOAD SHED TIMING RLY	WESTINGHOUSE TD-5 (293B301A25) 2EPSLP1	AB 809
2RLS2X	CH B LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 11 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2RLS2X1	CH B LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD43A1 2EPSLP1	AB 809
2RTEA	PHASE A STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
2RTEB	PHASE B STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
2RTEC	PHASE C STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 2EPSLP1	AB 809
2RX-01(2BS-1)(BS-V1A)(2ES-7)	2BS-1 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC1	AB 809
2RX-03(2BS-2)(BS-V1B)(2ES-8)	2BS-2 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC2	AB 809
2RX-09(2PR-7)(PR-V7)(2ES-1)	2PR-7 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC1	AB 809
2RX-10(2PR-8)(PR-V8)(2ES-2)	2PR-8 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 2ESTC2	AB 809
2RX-11(2PR-9)(PR-V9)(2ES-1)	2PR-9 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC1	AB 809
2RX-13(2PR-10)(PR-V10)(2ES-2)	2PR-10 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 2ESTC2	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 12 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2RX-28(2HP-27)	2HP-27 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC2	AB 809
2RX-29(2HP-25)	2HP-25 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC2	AB 809
2RX-35(2RC-7)(2ES-2)	2RC-7CONTROL RLY	CUTLER-HAMMER D23MRD30A1 2ESTC2	AB 809
2RX-36(2FDW-106)(CA-V5A)(2ES-2)	2FDW-106 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 2ESTC2	AB 809
2RX-37(2FDW-108)(CA-V5B)(2ES-2)	2FDW-108 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 2ESTC2	AB 809
2RX-39(2HP-26)	2HP-26 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC1	AB 809
2RX-41(2HP-24)	2HP-24 CONTROL RLY	CUTLER-HAMMER D23MR40A 2ESTC1	AB 809
2RXA/U2	2FDW-315 CONTROL RLY	CUTLER-HAMMER D26MRD70A1 2UB1	AB 822
2RXB/U2	2FDW-316 CONTROL RLY	CUTLER-HAMMER D26MRD70A1 2UB1	AB 822
2SBC1AX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1 2EPSLP1	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 13 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2SBC1BX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1 2EPSLP1	AB 809
2SBC2AX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1 2EPSLP1	AB 809
2SBC2BX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1 2EPSLP1	AB 809
2SLA	MDEFWP 2A CONT RLY	CUTLER-HAMMER D26MR40A/D87AE 2MTC4	AB 809
2SLB	MDEFWP 2B CONT RLY	CUTLER-HAMMER D26MR40A/D87AE 2MTC4	AB 809
2SR3	2GWD-13 CONT RLY	CUTLER-HAMMER D26MRD30A1 2ESTC2A	AB 809
2SR5	2CS-6 CONT RLY	CUTLER-HAMMER D26MRD30A1 2ESTC2A	AB 809
2STARA	STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	CUTLER-HAMMER D26MRD70A1/D87XDL 2EPSLP1	AB 809
2STARB	STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	CUTLER-HAMMER D26MRD70A1/D87XDL 2EPSLP1	AB 809
2STD-1BX	U2 STBY BKR S12 LOGIC TIME DELAY TRIP AUX RLY B	CUTLER-HAMMER D23MRD70A1 2EPSLP2	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2STD-2BX	U2 STBY BKR S22 LOGIC TIME DELAY TRIP AUX RLY B	CUTLER-HAMMER D23MRD70A1 2EPSLP2	AB 809
2TOPS0176B	FWPT 2A BEARING OIL PRESS LOW	SQUARE D ALG3-9013-DR 2A TBOX EH	TB 775
2TOPS0192B	FWPT 2B BEARING OIL PRESS LOW	SQUARE D ALG3-9013-DR 2B TBOX EH	TB 775
2UPOX	CCW SYSTEM CONT RLY	CUTLER-HAMMER D40RR34A1 2MTC1	AB 809
2X5A(2TD-03)	LOADSHED CONTROL RLY (XFMR 2X05)	CUTLER-HAMMER D26MRD70A1 2TD	TB 796
2X5B(2TD-03)	LOADSHED CONTROL RLY (XFMR 2X05)	CUTLER-HAMMER D26MRD70A1 2TD	TB 796
2X6A(2TE-03)	LOADSHED CONTROL RLY (XFMR 2X06)	CUTLER-HAMMER D26MRD70A1 2TE	TB 796
2X6B(2TE-03)	LOADSHED CONTROL RLY (XFMR 2X06)	CUTLER-HAMMER D26MRD70A1 2TE	TB 796
2XA-A-F02A/(2MS-77)/MS	208V MCC 2XA-A-F02A STARTER (MS-77)	SYLVANIA/CLARK BUL 6240 2XA-A	TB 796
2XA-A-F02B/(2MS-78)/MS	208V MCC 2XA-A-F02B STARTER (2MS-78)	SYLVANIA/CLARK BUL 6240 2XA-A	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XA-A-F02C/(2MS-81)/MS	208V MCC 2XA-A-F02C STARTER (2MS-81)	SYLVANIA/CLARK BUL 6240 2XA-A	TB 796
2XA-A-F02D/(2MS-80)/MS	208V MCC 2XA-A-F02D STARTER (2MS-80)	SYLVANIA/CLARK BUL 6240 2XA-A	TB 796
2XA-A-R05A/(2MS-82)/MS	208V MCC 2XA-A-R05A STARTER (2MS-82)	GTE-SYLVANIA BUL 6240 2XA-A	TB 796
2XA-A-R05B/(2MS-84)/MS	208V MCC 2XA-A-R05B STARTER (2MS-84)	GTE-SYLVANIA BUL 6240 2XA-A	TB 796
2XA-A-R05C/(2LPSW-137)/MS	208V MCC 2XA-A-R05C STARTER (2LPSW-137)	GTE-SYLVANIA BUL 6240 2XA-A	TB 796
2XA-R02A/(2V-186)/MS	208V MCC 2XA-R02A STARTER (2V-186)	CLARK BUL 6030 CY-1 (H1) 2XA	TB 796
2XA-R02C/(2SSH-01)/MS	208V MCC 2XA-R02C STARTER (2SSH-01)	CLARK BUL 6030 CY-1 (H1) 2XA	TB 796
2XA-R02D/(2SSH-03)/MS	208V MCC 2XA-R02D STARTER (2SSH-03)	CLARK BUL 6030 CY-1 (H1) 2XA	TB 796
2XA-R04C/(2MS-35)/MS	208V MCC 2XA-R04C STARTER (2MS-35)	CLARK BUL 6030 CY-1 (H1) 2XA	TB 796
2XA-R04D/(2MS-36)/MS	208V MCC 2XA-R04D STARTER (2MS-36)	CLARK BUL 6030 CY-1 (H1) 2XA	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XA-R05C/(2MS-76)/MS	208V MCC 2XA-R05C STARTER (2MS-76)	CLARK BUL 6030 CY-1 (H1) 2XA	TB 796
2XA-R05D/(2MS-79)/MS	208V MCC 2XA-R05D STARTER (2MS-79)	CLARK BUL 6030 CY-1 (H1) 2XA	TB 796
2XC-R02C/(2C-391)/MS	208V MCC 2XC-R02C STARTER (2C-391)	CLARK BUL 6030 CY-1 (H1) 2XC	TB 775
2XC-R03C/(2C-160)/MS	208V MCC 2XC-R03C STARTER (2C-160)	CLARK BUL 6030 CY-1 (H1) 2XC	TB 775
2XC-R04C/(2MS-47)/MS	208V MCC 2XC-R04C STARTER (2MS-47)	CLARK BUL 6030 CY-1 (H1) 2XC	TB 775
2XGA-F07D/(2C-153)/MS	208V MCC 2XGA-F07D STARTER (2C-153)	CLARK BUL 6030 CY-1 (H1) 2XGA	TB 796
2XGA-F08D/(2C-152)/MS	208V MCC 2XGA-F08D STARTER (2C-152)	CLARK BUL 6030 CY-1 (H1) 2XGA	TB 796
2XGA-R01D/(2C-156)/MS	208V MCC 2XGA-R01D STARTER (2C-156)	CLARK BUL 6030 CY-1 (H1) 2XGA	TB 796
2XGA-R07C/(2C-158)/MS	208V MCC 2XGA-R07C STARTER (2C-158)	CLARK BUL 6030 CY-1 (H1) 2XGA	TB 796
2XGB-R02C/(2MS-17)/MS	208V MCC 2XGB-R02C STARTER (2MS-17)	CLARK BUL 6030 CY-1 (H1) 2XGB	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XGB-R02D/(2MS-26)/MS	208V MCC 2XGB-R02D STARTER (2MS-26)	CLARK BUL 6030 CY-1 (H1) 2XGB	TB 796
2XGB-R03A/(2MS-24)/MS	208V MCC 2XGB-R03A STARTER (2MS-24)	CLARK BUL 6030 CY-1 (H1) 2XGB	TB 796
2XGB-R03B/(2MS-33)/MS	208V MCC 2XGB-R03B STARTER (2MS-33)	CLARK BUL 6030 CY-1 (H1) 2XGB	TB 796
2XI-01BB/(RSC-2FDW-369)/MS	REMOTE STARTER (2FDW-369) (FED FROM 600V MCC 2XI-01BB)	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-369/ENCL	AB 809
2XI-01BB/(RSC-2FDW-372)/MS	REMOTE STARTER (2FDW-372) (FED FROM 600V MCC 2XI-01BB)	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-372/ENCL	AB 809
2XI-01BB/(RSC-2FDW-374)/MS	REMOTE STARTER (2FDW-374) (FED FROM 600V MCC 2XI-01BB)	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-374/ENCL	AB 809
2XI-01BB/(RSC-2PR-59)/MS	600V MCC 2XI-01BB REMOTE STARTER (2PR-59)	GTE-SYLVANIA BUL 6040 TM 2RSC-2PR-59/ENCL	AB 809
2XJ-01BB/(RSC-2FDW-368)/MS	REMOTE STARTER (2FDW-368) (FED FROM 600V MCC 2XJ-01BB)	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-368/ENCL	AB 809
2XJ-01BB/(RSC-2FDW-382)/MS	REMOTE STARTER (2FDW-382) (FED FROM 600V MCC 2XJ-01BB)	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-382/ENCL	AB 809
2XJ-01BB/(RSC-2FDW-384)/MS	REMOTE STARTER (2FDW-384) (FED FROM 600V MCC 2XJ-01BB)	GTE-SYLVANIA BUL 6040 TM 2RSC-2FDW-384/ENCL	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 19 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XN-04A/(2LP-16)/MS	208V MCC 2XN-04A STARTER (2LP-16)	CLARK BUL 6030 CY-1 (H1) 2XN	AB 771
2XN-04B/(2LP-10)/MS	208V MCC 2XN-04B STARTER (2LP-10)	CLARK BUL 6030 CY-1 (H1) 2XN	AB 771
2XN-04C/(2LP-8)/MS	208V MCC 2XN-04C STARTER (2LP-8)	CLARK BUL 6030 CY-1 (H1) 2XN	AB 771
2XN-05B/(2LP-11)/MS	208V MCC 2XN-05B STARTER (2LP-11)	CLARK BUL 6030 CY-1 (H1) 2XN	AB 771
2XN-05C/(2LP-13)/MS	208V MCC 2XN-05C STARTER (2LP-13)	CLARK BUL 6030 CY-1 (H1) 2XN	AB 771
2XO-R01D/(2RC-3)/MS	208V MCC 2XO-R01D STARTER (2RC-03)	CLARK BUL 6030 CY-1 (H1) 2XO	AB 796
2XO-R02A/(2LPSW-16)/MS	208V MCC 2XO-R02A STARTER (2LPSW-16)	CLARK BUL 6030 CY-1 (H1) 2XO	AB 796
2XO-R02B/(2LPSW-19)/MS	208V MCC 2XO-R02B STARTER (2LPSW-19)	CLARK BUL 6030 CY-1 (H1) 2XO	AB 796
2XP-R03A/(2LPSW-22)/MS	208V MCC 2XP-R03A STARTER (2LPSW-22)	CLARK BUL 6030 CY-1 (H1) 2XP	AB 796
2XRA(2TD-15)	MDEFWP 2A CONTROL RLY	CUTLER-HAMMER D26MRD40A1 2TD	TB 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 20 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XRB(2TE-15)	MDEFWP 2B CONTROL RLY	CUTLER-HAMMER D26MRD40A1 2TE	TB 796
2XS1-F02C/(2CCW-10)/MS	600V MCC 2XS1-F02C STARTER (2CCW-10)	CLARK BUL 6030 CY-1 (B1A) 2XS1	AB 796
2XS1-F03C/(2CCW-13)/MS	600V MCC 2XS1-F03C STARTER (2CCW-13)	CLARK BUL 6030 CY-1 (B1A) 2XS1	AB 796
2XS1-F04D/(2LP-1)/MS	600V MCC 2XS1-F04D STARTER (2LP-1)	CLARK BUL 6030 CY-1 (B1A) 2XS1	AB 796
2XS1-F04E/(2LP-17)/MS	600V MCC 2XS1-F04E STARTER (2LP-17)	CLARK BUL 6030 CY-2 (B2A) 2XS1	AB 796
2XS1-F05C/(RSC-2LP-2)/MS	600V REMOTE STARTER F01B (2LP-2)	GTE-SYLVANIA/CLAR BUL 6200 XSF(600V)	SSF 777
2XS1-R01A/(2LP-12)/MS	208V MCC 2XS1-R01A STARTER (2LP-12)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R01B/(2LP-3)/MS	208V MCC 2XS1-R01B STARTER (2LP-3)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R01D/(2HP-24)/MS	208V MCC 2XS1-R01D STARTER (2HP-24)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R02A/(2HP-26)/MS	208V MCC 2XS1-R02A STARTER (2HP-26)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 21 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XS1-R02B/(2GWD-12)/MS	208V MCC 2XS1-R02B STARTER (2GWD-12)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R02C/(2LP-19)/MS	208V MCC 2XS1-R02C STARTER (2LP-19)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R02D/(2CS-5)/MS	208V MCC 2XS1-R02D STARTER (2CS-5)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R03C/(2LP-21)/MS	600V MCC 2XS1-R03C STARTER (2LP-21)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R03D/(2LPSW-4)/MS	208V MCC 2XS1-R03D STARTER (2LPSW-4)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R03E/(2LPSW-18)/MS	208V MCC 2XS1-R03E STARTER (2LPSW-18)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R04E/(2BS-3)/MS	208V MCC 2XS1-R04E STARTER (2BS-3)	CLARK BUL 6030 CY-1 (H1) 2XS1	AB 796
2XS1-R05A/(2PR-7)/MS	208V MCC 2XS1-R05A STARTER (2PR-7)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R05B/(2PR-9)/MS	208V MCC 2XS1-R05B STARTER (2PR-9)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R05C/(2BS-1)/MS	208V MCC 2XS1-R05C STARTER (2BS-1)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 22 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XS1-R05D/(RBCUFAN2ADAMPER)/MS	208V MCC 2XS1-R05D STARTER (RBCU FAN 2A DAMPER)	CLARK BUL 6030 CY-1 (H1) 2XS1	AB 796
2XS1-R06D/(2FDW-105)/MS	208V MCC 2XS1-R06D STARTER (2FDW-105)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS1-R06E/(2FDW-107)/MS	208V MCC 2XS1-R06E STARTER (2FDW-107)	CLARK BUL 6030 CY-1 (H1A) 2XS1	AB 796
2XS2-F02C/(2LP-104)/MS	600V MCC 2XS2-F02C STARTER (2LP-104)	CLARK BUL 6030 CY-1 (B1A) 2XS2	AB 796
2XS2-F02D/(2CCW-11)/MS	208V MCC 2XS2-F02D STARTER (2CCW-11)	CLARK BUL 6030 CY-1 (B1A) 2XS2	AB 796
2XS2-F04E/(2LP-18)/MS	600V MCC 2XS2-F04E STARTER (2LP-18)	CLARK BUL 6030 CY-2 (B2A) 2XS2	AB 796
2XS2-R01A/(2HP-25)/MS	208V MCC 2XS2-R01A STARTER (2HP-25)	CLARK BUL 6030 CY-1 (H1A) 2XS2	AB 796
2XS2-R01B/(2HP-27)/MS	208V MCC 2XS2-R01B STARTER (2HP-27)	CLARK BUL 6030 CY-1 (H1A) 2XS2	AB 796
2XS2-R01C/(2LP-22)/MS	600V MCC 2XS2-R01C STARTER (2LP-22)	CLARK BUL 6030 CY-1 (H1A) 2XS2	AB 796
2XS2-R01D/(2BS-4)/MS	208V MCC 2XS2-R01D STARTER (2BS-4)	CLARK BUL 6030 CY-1 (H1) 2XS2	AB 796

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XS2-R02A/(2LP-14)/MS	208V MCC 2XS2-R02A STARTER (2LP-14)	CLARK BUL 6030 CY-1 (H1A) 2XS2	AB 796
2XS2-R02C/(2LPSW-5)/MS	208V MCC 2XS2-R02C STARTER (2LPSW-5)	CLARK BUL 6030 CY-1 (H1A) 2XS2	AB 796
2XS2-R02D/(2LPSW-24)/MS	208V MCC 2XS2-R02D STARTER (2LPSW-24)	CLARK BUL 6030 CY-1 (H1A) 2XS2	AB 796
2XS2-R04A/(2BS-2)/MS	208V MCC 2XS2-R04A STARTER (2BS-2)	CLARK BUL 6030 CY-1 (H1A) 2XS2	AB 796
2XS2-R04C/(2LP-20)/MS	208V MCC 2XS2-R04C STARTER (2LP-20)	CLARK BUL 6030 CY-1 (H1) 2XS2	AB 796
2XS2-R04D/(RBCUFAN2CDAMPER)/MS	208V MCC 2XS2-R04D STARTER (RBCU FAN 2C DAMPER)	CLARK BUL 6030 CY-1 (H1) 2XS2	AB 796
2XS3-02D/(RSC-2HP-409)/MS	REMOTE STARTER (2HP-409) FED FROM 600V MCC 2XS3-02D	GTE-SYLVANIA T40TA 2RSC-2HP-409/ENCL	AB 796
2XS3-02D/(RSC-2HP-410)/MS	REMOTE STARTER (2HP-410) FED FROM 600V MCC 2XS3-02D	GTE-SYLVANIA T40TA 2RSC-2HP-410/ENCL	AB 796
2XS3-02E/(2CCW-12)/MS	600V MCC 2XS3-02E STARTER (2CCW-12)	CLARK BUL 6030 CY-1 (B1A) 2XS3	AB 796
2XS3-03CB/(RSC-2LPSW-566)/MS	REMOTE STARTER (2LPSW-566) (FED FROM 600V MCC 2XS3-03CB)	SYLVANIA BUL 6020 2RSC-2LPSW-566/ENCL	AB 796

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XS3-03CT/(RSC-2LPSW-565)/MS	REMOTE STARTER (2LPSW-565) (FED FROM 600V MCC 2XS3-03CT)	SYLVANIA BUL 6020 2RSC-2LPSW-565/ENCL	AB 796
2XS3-05B/(2LPSW-21)/MS	208V MCC 2XS3-05B STARTER (2LPSW-21)	CLARK BUL 6030 CY-1 (H1A) 2XS3	AB 796
2XS3-05D/(RBCUFAN2BDAMPER)/MS	208V MCC 2XS3-05D STARTER (RBCU FAN 2B DAMPER)	CLARK BUL 6030 CY-1 (H1) 2XS3	AB 796
2XSF-1-F01D/(2RC-5)/MS	208V MCC 2XSF-1-F01D STARTER (2RC-05)	GTE-SYLVANIA/CLAR BUL 6240 2XSF-1(208V)	SSF 797
2XSF-1-F01E/(2RC-6)/MS	208V MCC 2XSF-1-F01E STARTER (2RC-06)	GTE-SYLVANIA/CLAR BUL 6240 2XSF-1(208V)	SSF 797
2XSF-1-F02B/(2HP-428)/MS	208V MCC 2XSF-1-FO2B STARTER (2HP-428)	GTE-SYLVANIA BUL 6240 2XSF-1(208V)	SSF 797
2XSF-F01BL(600V)/(RSC-2CCW-287)/MS	600V REMOTE STARTER (2CCW-287) FED FROM 600V MCC 2XSF	GTE-SYLVANIA BUL 6030 CY-1 (H1) 2RSC-2CCW-287/ENCL	SSF 758
2XSF-F01C(208V)/(2HP-3)/MS	208V MCC 2XSF-F01C STARTER (2HP-3)	GTE-SYLVANIA BUL 6240 2XSF(208V)	SSF 817
2XSF-F01C(600V)/(2FDW-347)/MS	600V MCC 2XSF-F01C STARTER (2FDW-347)	GTE-SYLVANIA BUL 6240 2XSF(600V)	SSF 817
2XSF-F01D(208V)/(2HP-4)/MS	208V MCC 2XSF-F01D STARTER (2HP-4)	GTE-SYLVANIA BUL 6240 2XSF(208V)	SSF 817

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
2XSF-F01D(600V)/(2CCW-269)/MS	600V MCC 2XSF-F01D STARTER (2CCW-269)	GTE-SYLVANIA BUL 6240 2XSF(600V)	SSF 817
2XSF-F02B(600V)/(2HP-417)/MS	600V MCC 2XSF-F02B STARTER (2HP-417)	GTE-SYLVANIA BUL 6240 2XSF(600V)	SSF 817
2XSF-F02C(208V)/(2HP-20)/MS	208V MCC 2XSF-F02C STARTER (2HP-20)	GTE-SYLVANIA BUL 6240 2XSF(208V)	SSF 817
2XSF-F04B(600V)/(2HP-426)/MS	600V MCC 2XSF-F04B STARTER (2HP-426)	GTE-SYLVANIA BUL 6240 2XSF(600V)	SSF 817
2XSF-F05B(600V)/(2HP-405)/MS	600V MCC 2XSF-F05B STARTER (2HP-405)	GTE-SYLVANIA BUL 6240 2XSF(600V)	SSF 817
2XSF-F06C(600V)/(2RC-4)/MS	600V MCC 2XSF-F06C STARTER (2RC-04)	GTE-SYLVANIA/CLAR BUL 6240 2XSF(600V)	SSF 817
2XSF-F06D(600V)/(2LP-103)/MS	600V MCC 2XSF-F06D STARTER (2LP-103)	GTE-SYLVANIA/CLAR BUL 6240 2XSF(600V)	SSF 817
50-51X(2TC-02)	XFMR 2X1 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 2TC	TB 796
50-51X(2TC-03)	600V XFMR 2X4 OVER CURRENT RELAY	WESTINGHOUSE CO-8 (1875277) 2TC	TB 796
50-51X(2TC-04)	CCW PUMP 2A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 26 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51X(2TC-05)	CCW PUMP 2D OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51X(2TC-08)	HPI PUMP 2A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51X(2TC-09)	2LPI PUMP A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51X(2TC-13)	XFMR 2X08 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 2TC	TB 796
50-51X(2TD-02)	XFMR 2X02 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 2TD	TB 796
50-51X(2TD-03)	XFMR 2X05 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 2TD	TB 796
50-51X(2TD-04)	CCW PUMP 2B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796
50-51X(2TD-09)	HPI PUMP 2C OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796
50-51X(2TD-10)	2LPI PUMP B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796
50-51X(2TD-13)	XFMR 2X09 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 2TD	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51X(2TE-02)	XFMR 2X03 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 2TE	TB 796
50-51X(2TE-03)	XFMR 2X06 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 2TE	TB 796
50-51X(2TE-04)	CCW PUMP 2C OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TE	TB 796
50-51X(2TE-09)	HPI PUMP 2B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TE	TB 796
50-51X(2TE-12)	XFMR 2X10 OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 2TE	TB 796
50-51Z(2TC-02)	XFMR 2X01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 2TC	TB 796
50-51Z(2TC-03)	600V XFMR 2X4 OVER CURRENT RELAY	WESTINGHOUSE CO-8 (1875277) 2TC	TB 796
50-51Z(2TC-04)	CCW PUMP 2A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51Z(2TC-05)	CCW PUMP 2D OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51Z(2TC-08)	HPI PUMP 2A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796

Appendix D - O2

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51Z(2TC-09)	2LPI PUMP A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TC	TB 796
50-51Z(2TC-13)	XFMR 2X08 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 2TC	TB 796
50-51Z(2TD-02)	XFMR 2X02 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 2TD	TB 796
50-51Z(2TD-03)	XFMR 2X05 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 2TD	TB 796
50-51Z(2TD-04)	CCW PUMP 2B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796
50-51Z(2TD-09)	HPI PUMP 2C OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796
50-51Z(2TD-10)	2LPI PUMP B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TD	TB 796
50-51Z(2TD-13)	XFMR 2X09 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 2TD	TB 796
50-51Z(2TE-02)	XFMR 2X03 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 2TE	TB 796
50-51Z(2TE-03)	XFMR 2X06 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 2TE	TB 796

Appendix D - O2

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51Z(2TE-04)	CCW PUMP 2C OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TE	TB 796
50-51Z(2TE-09)	HPI PUMP 2B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TE	TB 796
50-51Z(2TE-12)	XFMR 2X10 OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 2TE	TB 796
50BN12(B1T-11)	U2 NORM BKR N12 INSTANTANEOUS OC RLY	GENERAL-ELECTRIC CHC11A21A B1T	BH 796
50BN22(B2T-03)	U2 NORM BKR N22 INSTANTANEOUS OC RLY	GENERAL-ELECTRIC CHC11A21A B2T	BH 796
51G(2TC-01)	FDR BKR 2TC-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 2TC	TB 796
51G(2TC-14)	FDR BKR 2TC-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 2TC	TB 796
51G(2TD-01)	FDR BKR 2TD-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 2TD	TB 796
51G(2TD-14)	FDR BKR 2TD-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 2TD	TB 796
51G(2TE-01)	FDR BKR 2TE-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 2TE	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51G(2TE-14)	FDR BKR 2TE-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 2TE	TB 796
51G(BIT-11)	U2 NORM BKR N12 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) BIT	BH 796
51G(B1T-13)	U2 STUP BKR E12 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B1T	BH 796
51G(B2T-01)	U2 STUP BKR E22 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B2T	BH 796
51G(B2T-03)	U2 NORM BKR N22 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) B2T	BH 796
51TN/CT2(230KV)	XFMR CT2 230 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875252) 2EB2	AB 822
51TN/CT2(4160V)	XFMR CT2 4.16 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 2EB2	AB 822
51TN/CT2(6900V)	XFMR CT2 6.9 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 2EB2	AB 822
51X(2TC-01)	FDR BKR 2TC-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 2TC	TB 796
51X(2TC-14)	FDR BKR 2TC-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 2TC	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51X(2TD-01)	FDR BKR 2TD-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 2TD	TB 796
51X(2TD-14)	FDR BKR 2TD-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 2TD	TB 796
51X(2TE-01)	FDR BKR 2TE-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 2TE	TB 796
51X(2TE-14)	FDR BKR 2TE-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 2TE	TB 796
51X(B1T-11)	U2 NORM BKR N12 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) BIT	BH 796
51X(B1T-13)	U2 STUP BKR E12 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) BIT	BH 796
51X(B2T-01)	U2 STUP BKR E22 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51X(B2T-03)	U2 NORM BKR N22 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Y(B1T-11)	U2 NORM BKR N12 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) BIT	BH 796
51Y(B1T-13)	U2 STUP BKR E12 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) BIT	BH 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 32 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51Y(B2T-01)	U2 STUP BKR E22 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Y(B2T-03)	U2 NORM BKR N22 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Z(2TC-01)	FDR BKR 2TC-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 2TC	TB 796
51Z(2TC-14)	FDR BKR 2TC-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 2TC	TB 796
51Z(2TD-01)	FDR BKR 2TD-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 2TD	TB 796
51Z(2TD-14)	FDR BKR 2TD-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 2TD	TB 796
51Z(2TE-01)	FDR BKR 2TE-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 2TE	TB 796
51Z(2TE-14)	FDR BKR 2TE-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 2TE	TB 796
51Z(B1T-11)	U2 NORM BKR N12 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) BIT	BH 796
51Z(B1T-13)	U2 STUP BKR E12 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) BIT	BH 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51Z(B2T-01)	U2 STUP BKR E22 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
51Z(B2T-03)	U2 NORM BKR N22 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) B2T	BH 796
62B1/PCB-26	PCB 26 AUX BKR FAIL RLY	STRUTHERS-DUNN 219BBXP 2EB2	AB 822
62B1/PCB-27	PCB 27 AUX BKR FAIL RLY	STRUTHERS-DUNN 219BBXP 2EB2	AB 822
62B12(B1T-13)	U2 MAIN BUS 1 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 2KESP	AB 809
62B22(B2T-01)	U2 MAIN BUS 2 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 2KESP	AB 809
62BX(2TC-01)	FDR BKR 2TC-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 2TC	TB 796
62BX(2TC-14)	FDR BKR 2TC-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 2TC	TB 796
62BX(2TD-01)	FDR BKR 2TD-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 2TD	TB 796
62BX(2TD-14)	FDR BKR 2TD-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 2TD	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 34 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
62BX(2TE-01)	FDR BKR 2TE-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 2TE	TB 796
62BX(2TE-14)	FDR BKR 2TE-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 2TE	TB 796
62BXE12(B1T-13)	U2 STUP BKR E12 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXE22(B2T-01)	U2 STUP BKR E22 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62BXN12(B1T-12)	U2 NORM BKR N12 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXN22(B2T-02)	U2 NORM BKR N22 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62BXS12(B1T-08)	U2 STBY BKR S12 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796
62BXS22(B2T-06)	U2 STBY BKR S22 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62SIF/U2	2HP-31 CONTROL RLY	POTTER-BRUMFIELD KRPA14AN 2ICS	AB 822
83-L/SSV/U2	ICS CONTROL LATCHING RLY (2RC-3) (SHOWN AS MO & MC CONTACTS)	POTTER-BRUMFIELD KRP11AG 2ICS	AB 822

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 35 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
83/SIF/U2	RCP SEAL INLET FLOW AUTO-MAN TRANS RELAY	BAILEY CONTROLS 6614306-1 2ICS	AB 822
86(2TC-01)	FDR BKR 2TC-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 2TC	TB 796
86(2TC-14)	FDR BKR 2TC-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 2TC	TB 796
86(2TD-01)	FDR BKR 2TD-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 2TD	TB 796
86(2TD-14)	FDR BKR 2TD-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 2TD	TB 796
86(2TE-01)	FDR BKR 2TE-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 2TE	TB 796
86(2TE-14)	FDR BKR 2TE-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 2TE	TB 796
86/CT2	CT2 XFMR LOCKOUT RLY	GENERAL-ELECTRIC HEA61C245 2EB2	AB 822
86/FS1/U2	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 2ICS	AB 822
86/FS2/U2	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 2ICS	AB 822

Appendix D - O2

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Page 36 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
86/FS3/U2	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 2ICS	AB 822
86/FS4/U2	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 2ICS	AB 822
86/SIFP/U2	RCP SEAL INLET FLOW CONTROL RLY	POTTER-BRUMFIELD KRP14AN 2ICS	AB 822
86B12(B1T-12)	U2 MFB 1 LOCKOUT RLY	ELECTRO-SWITCH LOR B1T	BH 796
86B22(B2T-02)	U2 MFB 2 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C239 B2T	BH 796
86BU2	U2 STUP BUS LOCKOUT RLY	ELECTRO-SWITCH LOR (SERIES 24) 2TCPA	TB 796
86CT2X(B2T-01)	CT2 XFMR LOCKOUT AUX RLY	CUTLER-HAMMER D26MRD704A1 B2T	BH 796
86E12(B1T-13)	U2 STUP BKR E12 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B1T	BH 796
86E22(B2T-01)	U2 STUP BKR E22 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B2T	BH 796
86N12(B1T-11)	U2 NORM BKR N12 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B1T	BH 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
86N22(B2T-03)	U2 NORM BKR N22 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 B2T	BH 796
86XB12(B1T-12)	U2 MFB 1 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) B1T	BH 796
86XB22(B2T-02)	U2 MFB 2 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) B2T	BH 796
87B12(X)(B1T-12)	U2 MFB 1 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87B12(Y)(B1T-12)	U2 MFB 1 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87B12(Z)(B1T-12)	U2 MFB 1 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) B1T	BH 796
87B22(X)(B2T-02)	U2 MFB 2 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87B22(Y)(B2T-02)	U2 MFB 2 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87B22(Z)(B2T-02)	U2 MFB 2 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) B2T	BH 796
87BU2(X)	U2 STUP.BUS DIFF RLY (X PHASE)	GENERAL-ELECTRIC PVD11C11A (Low 2TCPA	TB 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 38 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
87BU2(Y)	U2 STUP BUS DIFF RLY (Y PHASE)	GENERAL-ELECTRIC PVD11C11A (Low 2TCPA	TB 796
87BU2(Z)	U2 STUP BUS DIFF RLY (Z PHASE)	GENERAL-ELECTRIC PVD11C11A (Low 2TCPA	TB 796
87T/CT2(X)	CT2 XFMR DIFF RLY (X PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 2EB2	AB 822
87T/CT2(Y)	CT2 XFMR DIFF RLY (Y PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 2EB2	AB 822
87T/CT2(Z)	CT2 XFMR DIFF RLY (Z PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 2EB2	AB 822
87TB/CT2(X)	CT2 XFMR 230KV SUPPLY BUS DIFF RLY (X PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 2EB2	AB 822
87TB/CT2(Y)	CT2 XFMR 230KV SUPPLY BUS DIFF RLY (Y PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 2EB2	AB 822
87TB/CT2(Z)	CT2 XFMR 230KV SUPPLY BUS DIFF RLY (Z PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 2EB2	AB 822
94(2TC-01)	FDR BKR 2TC-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 2TC	TB 796
94(2TC-14)	FDR BKR 2TC-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 2TC	TB 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 39 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
94(2TD-01)	FDR BKR 2TD-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 2TD	TB 796
94(2TD-14)	FDR BKR 2TD-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 2TD	TB 796
94(2TE-01)	FDR BKR 2TE-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 2TE	TB 796
94(2TE-14)	FDR BKR 2TE-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 2TE	TB 796
94E12(B1T-13)	U2 STUP BKR E12 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B1T	BH 796
94E22(B2T-01)	U2 STUP BKR E22 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B2T	BH 796
94N12(B1T-11)	U2 NORM BKR N12 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B1T	BH 796
94N22(B2T-03)	U2 NORM BKR N22 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B2T	BH 796
94S12(B1T-08)	U2 STBY BKR S12 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B1T	BH 796
94S22(B2T-06)	U2 STBY BKR S22 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B2T	BH 796

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 40 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
94Y1(B1T-12)	U2 STUP BKR E12 AUX TRIP RLY	CUTLER-HAMMER D23MRD70A1 BIT	BH 796
94Y1(B2T-02)	U2 STUP BKR E22 AUX TRIP RLY	CUTLER-HAMMER D23MRD70A1 B2T	BH 796
ANACHAN1AR/U2(Typical)	AUX RLY MODULE (ES CH 1)	BAILEY CONTROLS 6622510 2ESFAS	AB 822
ANACHAN1BI/U2(Typical)	BISTABLE MODULE (ES CH 1)	BAILEY CONTROLS 6621500 1ESFAS	AB 822
ANACHAN1LB/U2(Typical)	LOGIC BUFFER MODULE (ES CH 1)	BAILEY CONTROLS 6624726 1ESFAS	AB 822
ANACHAN2AR/U2(Typical)	AUX RLY MODULE (ES CH 2)	BAILEY CONTROLS 6622510 2ESFAS	AB 822
ANACHAN2BI/U2(Typical)	BISTABLE MODULE (ES CH 2)	BAILEY CONTROLS 6621500E1 1ESFAS	AB 822
ANACHAN2LB/U2(Typical)	LOGIC BUFFER MODULE (ES CH 2)	BAILEY CONTROLS 6624726A1 2ESFAS	AB 822
ANACHAN3AR/U2(Typical)	AUX RLY MODULE (ES CH 3)	BAILEY CONTROLS 6622510 2ESFAS	AB 822
ANACHAN3BI/U2(Typical)	BISTABLE MODULE (ES CH 3)	BAILEY CONTROLS 6621500E1 2ESFAS	AB 822

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 41 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
ANACHAN3LB/U2(Typical)	LOGIC BUFFER MODULE (ES CH 3)	BAILEY CONTROLS 6624726A1 2ESFAS	AB 822
BRA/U2	UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192)	CUTLER-HAMMER D26MR22A 2AT3	AB 809
BRB/U2	UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192)	CUTLER-HAMMER D26MR22A 2AT3	AB 809
CCWPX/2A	CCW PUMP 2A AUX RLY	CUTLER-HAMMER D26MRD704A1 2MTC1	AB 809
CCWPX/2B	CCW PUMP 2B AUX RLY	CUTLER-HAMMER D26MRD704A1 2MTC1	AB 809
CCWPX/2C	CCW PUMP 2C AUX RLY	CUTLER-HAMMER D26MRD704A1 2MTC1	AB 809
CCWPX/2D	CCW PUMP 2D AUX RLY	CUTLER-HAMMER D26MRD704A1 2MTC1	AB 809
CIR-E12(B1T-13)	U2 STUP BKR E12 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B1T	BH 796
CIR-E22(B2T-01)	U2 STUP BKR E22 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B2T	BH 796
CIR-S12(B1T-08)	U2 STBY BKR S12 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B1T	BH 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
CIR-S22(B2T-06)	U2 STBY BKR S22 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B2T	BH 796
CLS1(2TC-02)	U2 LOADSHED (C) RLY	CUTLER-HAMMER D23MRD70A1 2TC	TB 796
CLS2(2TC-12)	U2 LOADSHED (C) RLY	CUTLER-HAMMER D23MRD70A1 2TC	TB 796
CONTBUFF(ESCHAN1)/U2(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 1)	BAILEY CONTROLS 6623999A1 3ESFAS	AB 822
CONTBUFF(ESCHAN2)/U2(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 2)	BAILEY CONTROLS 6623999A1 3ESFAS	AB 822
CONTBUFF(ESCHAN3)/U2(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 3)	BAILEY CONTROLS 6623999A1 3ESFAS	AB 822
CR-114	POL DEMIN ISOL VALVE C-232 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-116	POL DEMIN ISOL VALVE C-237 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-118	POL DEMIN ISOL VALVE C-244 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-120	POL DEMIN ISOL VALVE C-251 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 43 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
CR-122	POL DEMIN ISOL VALVE C-258 AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR-128	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 219BBXP 1&2 POWDEX PANEL	TB 771
CR2A	CHANNEL A KEOWEE EM START RLY	CUTLER-HAMMER D23MRD70A1 2KESP	AB 809
CR2B	CHANNEL B KEOWEE EM START RLY	CUTLER-HAMMER D23MRD70A1 2KESP	AB 809
CRV3/U2	2RC-66 SOLENOID ACTUATOR CONTACTOR	ITE/GOULD P102C111 2MTC4	AB 809
CX1/U2	UST BOTTOM TIE VALVE CONT RLY	CUTLER-HAMMER D23MR44A 2MTC3	AB 809
DIGCH1AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 1)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH1CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 1)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822
DIGCH1LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 1)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH1TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 1)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH2AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 2)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH2CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 2)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822
DIGCH2LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 2)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH2TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 2)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822
DIGCH3AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 3)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH3CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 3)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822
DIGCH3LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 3)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH3TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 3)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822
DIGCH4AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 4)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH4CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 4)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Page 45 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH4LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 4)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH4TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 4)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822
DIGCH5AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 5)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH5CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 5)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822
DIGCH5LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 5)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH5TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 5)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822
DIGCH6AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 6)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH6CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 6)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822
DIGCH6LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 6)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH6TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 6)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 46 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH7AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 7)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH7CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 7)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822
DIGCH7LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 7)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH7TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 7)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822
DIGCH8AR/U2(Typical)	AUX RLY MODULE (ES DIG CH 8)	BAILEY CONTROLS 6622510C 2ESFAS	AB 822
DIGCH8CB/U2(Typical)	CONTACT BUFFER MODULE (ES DIG CH 8)	BAILEY CONTROLS 6623999A 2ESFAS	AB 822
DIGCH8LT/U2(Typical)	LOGIC TEST MODULE (ES DIG CH 8)	BAILEY CONTROLS 6624040A 2ESFAS	AB 822
DIGCH8TL/U2(Typical)	TRIP LOGIC MODULE (ES DIG CH 8)	BAILEY CONTROLS 6624010A 2ESFAS	AB 822
DLS1(2TD-02)	U2 LOADSHED (D) RLY	CUTLER-HAMMER D23MRD70A1 2TD	TB 796
DLS2(2TD-13)	U2 LOADSHED (D) RLY	CUTLER-HAMMER D23MRD70A1 2TD	TB 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
ELS1(2TE-02)	U2 LOADSHED (E) RLY	CUTLER-HAMMER D23MRD704A1 2TE	TB 796
ELS2(2TE-13)	U2 LOADSHED (E) RLY	CUTLER-HAMMER D23MRD704A1 2TE	TB 796
HP53XR/U2	LOW RC SEAL INLET FLOW AUX RLY (HPI PUMP's A & B)	CUTLER-HAMMER D23MRD70A1 2MTC3	AB 809
K5/U2	LP-126 CONTROL RLY	POTTER-BRUMFIELD KRP11AG 2PASCP	AB 771
LR-101	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-102	POL DEMIN ISOL VALVE C-232 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-103	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-104	POL DEMIN ISOL VALVE C-237 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-105	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-106	POL DEMIN ISOL VALVE C-244 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771

Appendix D - O2

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Page 48 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
LR-107	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-108	POL DEMIN ISOL VALVE C-251 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-109	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
LR-110	POL DEMIN ISOL VALVE C-258 AUX RELAY	STRUTHERS-DUNN 255XCXP 1&2 POWDEX PANEL	TB 771
NAS1/U2(FDWEP0270)	AUX RELAY CARD FOR (FDWEP0270)	WESTINGHOUSE 2838A89G01 2SGLC	AB 809
NAS1/U2(FDWEP0271)	AUX RELAY CARD FOR (FDWEP0271)	WESTINGHOUSE 2838A89G01 2SGLC	AB 809
NAS1/U2(FDWEP0272)	AUX RELAY CARD FOR (FDWEP0272)	WESTINGHOUSE 2838A89G01 2SGLC	AB 809
NAS1/U2(FDWEP0273)	AUX RELAY CARD FOR (FDWEP0273)	WESTINGHOUSE 2838A89G01 2SGLC	AB 809
NCD/U2(FDWEP0270)	DRIVER CARD FOR (FDWEP0270)	WESTINGHOUSE 2837A16G03 2SGLC	AB 809
NCD/U2(FDWEP0271)	DRIVER CARD FOR (FDWEP0271)	WESTINGHOUSE 2837A16G03 2SGLC	AB 809

Appendix D - O2

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Page 49 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
NCD/U2(FDWEP0272)	DRIVER CARD FOR (FDWEP0272)	WESTINGHOUSE 2837A16G03 2SGLC	AB 809
NCD/U2(FDWEP0273)	DRIVER CARD FOR (FDWEP0273)	WESTINGHOUSE 2837A16G03 2SGLC	AB 809
PHRX/RX-7/U2	PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP D)	CLARK X5U5-3 PM 2XJ	AB 809
PHRX/RX-8/U2	PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP C)	CLARK X5U5-3 PM 2XI	AB 809
POL/AH/U2	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 2MTC1	AB 809
POL/AM/U2	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 2MTC1	AB 809
POL/BH/U2	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 2MTC1	AB 809
POL/BM/U2	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 2MTC1	AB 809
PRTC(ESCHAN1)/U2	PRESS TEST CIRCUIT MODULE (ES CHANNEL 1)	BAILEY CONTROLS 6623705A1 1ESFAS	AB 822
PRTC(ESCHAN2)/U2	PRESS TEST CIRCUIT MODULE (ES CHANNEL 2)	BAILEY CONTROLS 6623705A1 1ESFAS	AB 822

Appendix D - 02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
PRTC(ESCHAN3)/U2	PRESS TEST CIRCUIT MODULE (ES CHANNEL 3)	BAILEY CONTROLS 6623705A1 1ESFAS	AB 822
RE-1/U2	INTERPOSING AUX RLY FOR TX12B & TX22B	CUTLER-HAMMER D23MRD30A 2UB2	AB 822
RE-2/U2	INTERPOSING AUX RLY FOR TX12A & TX22A	CUTLER-HAMMER D23MRD30A1 2UB1	AB 822
RO(2BS-1)(BS-V1A)(2ES-7)	RO RLY (2BS-1)	BAILEY CONTROLS 6623990 2ESFAS	AB 822
RO(2BS-2)(BS-V1B)(2ES-8)	RO RLY (2BS-2)	BAILEY CONTROLS 6623990 2ESFAS	AB 822
RO(RBCU-2A)(2ES-5)	RO RLY (RBCU 2A)	BAILEY CONTROLS 6623990 2ESFAS	AB 822
RO(RBCU-2C)(2ES-6)	RO RLY (RBCU 2C)	BAILEY CONTROLS 6623990 2ESFAS	AB 822
RTC-B/U2	REACTOR TRIP CONFIRMED AUX RELAY	CUTLER-HAMMER D23MRD074T1-24V 2CRDACBKRCAB	AB 809
RV3X/U2	2RC-66 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 2MTC3	AB 809
RX/AAU2	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 2SGLC	AB 809

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
RX/ABU2	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 2SGLC	AB 809
RX/BAU2	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 2SGLC	AB 809
RX/BBU2	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 2SGLC	AB 809
RXE1(B1T-12)	U2 STUP BKR E1 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B1T	BH 796
RXE2(B1T-12)	U2 STUP BKR E2 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B1T	BH 796
RYE1(B2T-02)	U2 STUP BKR E1 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B2T	BH 796
RYE2(B2T-02)	U2 STUP BKR E2 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) B2T	BH 796
S-191/2ET	CCW EM TRIP RLY	GENERAL-ELECTRIC HEA61C246 2AB3	AB 822
TDR1A(B1T-12)	U2 STUP BKR E12 TIME DELAY RLY A	AGASTAT 2412 PB B1T	BH 796
TDR1A(B2T-02)	U2 STUP BKR E22 TIME DELAY RLY A	AGASTAT 2412 PB B2T	BH 796

Appendix D - 02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 2

Page 52 of 52

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
TX12A	AUX RLY FOR T12A	CUTLER-HAMMER D23MRD074A1 2MFBMRP	AB 809
TX12B	AUX RLY FOR T12B	CUTLER-HAMMER D23MRD074A1 2MFBMRP	AB 809
TX22A	AUX RLY FOR T22A	CUTLER-HAMMER D23MRD074A1 2MFBMRP	AB 809
TX22B	AUX RLY FOR T22B	CUTLER-HAMMER D23MRD074A1 2MFBMRP	AB 809
XKT-801/U2	EHC SYSTEM MASTER TRIP RELAY	GENERAL-ELECTRIC CR120 2EHC1	AB 809
XKT-802/U2	EHC SYSTEM MECHANICAL TRIP RELAY	GENERAL-ELECTRIC CR120 2EHC1	AB 809
XOD1-04A/2CCW-26/MS	208V MCC XOD1-04A STARTER (2CCW-26)	CLARK BUL 6240 CY-1 XOD1	YD 796
XOD1-04B/2CCW-28MS	208V MCC XOD1-04B STARTER (2CCW-28)	CLARK BUL 6240 CY-1 XOD1	YD 796
XOD2B-03A/2CCW-27/MS	208V MCC XOD2B-03A STARTER (2CCW-27)	CLARK T310031-76 XOD2B	YD 796
XOD2B-03B/2CCW-29/MS	208V MCC XOD2B-03B STARTER (2CCW-29)	CLARK T310031-76 XOD2B	YD 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
1MVC3-01D/3CCW-93/MS	250V MCC 1MVC3-01D STARTER (U3 CCW-93)	CLARK BUL 6258 CY-1 1MVC3	TB 775
27(3TC-02)	XFMR 3X01 UV RLY	WESTINGHOUSE CV-2 (1875508) 3TC	TB 796
27(3TC-04)	CCW PUMP 3A UV RLY	WESTINGHOUSE CV-2 (1875508) 3TC	TB 796
27(3TC-05)	CCW PUMP 3D UV RLY	WESTINGHOUSE CV-2 (1875508) 3TC	TB 796
27(3TC-07)	HOTWELL PUMP 3A UV RLY	WESTINGHOUSE CV-2 (1875508) 3TC	TB 796
27(3TD-02)	XFMR 3X02 UV RLY	WESTINGHOUSE CV-2 (1875508) 3TD	TB 796
27(3TD-04)	CCW PUMP 3B UV RLY	WESTINGHOUSE CV-2 (1875508) 3TD	TB 796
27(3TD-06)	HOTWELL PUMP 3B UV RLY	WESTINGHOUSE CV-2 (1875508) 3TD	TB 796
27(3TE-02)	XFMR 3X03 UV RLY	WESTINGHOUSE CV-2 (1875508) 3TE	TB 796
27(3TE-04)	CCW PUMP 3C UV RLY	WESTINGHOUSE CV-2 (1875508) 3TE	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27(3TE-06)	HOTWELL PUMP 3C UV RLY	WESTINGHOUSE CV-2 (1875508) 3TE	TB 796
27B13A	U3 MFB 1 UV RLY PHASE A	CUTLER-HAMMER D23MR62A 3MFBMRP	AB 809
27B13B	U3 MFB 1 UV RLY PHASE B	CUTLER-HAMMER D23MR62A 3MFBMRP	AB 809
27B13C	U3 MFB 1 UV RLY PHASE C	CUTLER-HAMMER D23MR62A 3MFBMRP	AB 809
27B23A	U3 MFB 2 UV RLY PHASE A	CUTLER-HAMMER D23MR62A 3MFBMRP	AB 809
27B23B	U3 MFB 2 UV RLY PHASE B	CUTLER-HAMMER D23MR62A 3MFBMRP	AB 809
27B23C	U3 MFB 2 UV RLY PHASE C	CUTLER-HAMMER D23MR62A 3MFBMRP	AB 809
27EA/U3	PHASE A STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	AB 809
27EB/U3	PHASE B STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	AB 809
27EC/U3	PHASE C STUP BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27EXA/U3	PHASE A STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	AB 809
27EXB/U3	PHASE B STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	AB 809
27EXC/U3	PHASE C STUP BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	AB 809
27EYA1/U3	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYA1X/U3	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYA2/U3	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYA2X/U3	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD70A1 3EPSLP1	AB 809
27EYA3/U3	PHASE A STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYB1/U3	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYB1X/U3	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809

Appendix D - O3

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27EYB2/U3	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYB2X/U3	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD70A1 3EPSLP1	AB 809
27EYB3/U3	PHASE B STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYC1/U3	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYC1X/U3	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYC2/U3	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27EYC2X/U3	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD70A1 3EPSLP1	AB 809
27EYC3/U3	PHASE C STUP BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27NA/U3	PHASE A NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	AB 809
27NB/U3	PHASE B NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27NC/U3	PHASE C NORM BUS UV RLY	WESTINGHOUSE CV-7 (1875524) 3EPSLP1	AB 809
27NXA/U3	PHASE A NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	AB 809
27NXB/U3	PHASE B NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	AB 809
27NXC/U3	PHASE C NORM BUS UV AUX RLY	WESTINGHOUSE MG-6/NO (1163-801) 3EPSLP1	AB 809
27NYA1/U3	PHASE A NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27NYA2/U3	PHASE A NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27NYB1/U3	PHASE B NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27NYB2/U3	PHASE B NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27NYC1/U3	PHASE C NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
27NYC2/U3	PHASE C NORM BUS UV AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
27X1/STA	EGPS AUX RELAY CH 1	CUTLER-HAMMER D26MRD70A1 3KESP	AB 809
27X1/STB	EGPS AUX RELAY CH 2	CUTLER-HAMMER D26MRD70A1 3KESP	AB 809
359G	PZR HTR GROUND RLY (PZR HTR BANK 2 GROUP B)	WESTINGHOUSE CV-8 (183A205A15) PHC/SSF	SSF 777
3BSPS0018	RB PRESS SWITCH (ES CH 3A)	ASCO SA21AR/TD20A32R 3BSPS0018	AB 809
3BSPS0019	RB PRESS SWITCH (ES CH 3A)	ASCO SA21AR/TD20A32R 3BSPS0019	AB 809
3BSPS0020	RB PRESS SWITCH (ES CH 3B)	ASCO SA21AR/TD20A32R 3BSPS0020	AB 809
3BSPS0021	RB PRESS SWITCH (ES CH 3B)	ASCO SA21AR/TD20A32R 3BSPS0021	AB 809
3BSPS0022	RB PRESS SWITCH (ES CH 3C)	ASCO SA21AR/TD20A32R 3BSPS0022	AB 809
3BSPS0023	RB PRESS SWITCH (ES CH 3C)	ASCO SA21AR/TD20A32R 3BSPS0023	AB 809
3CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)	ITT BARTON 581A-2 3CPS0015	TB 838

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Page 7 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)	ITT BARTON 581A-2 3CPS0036	TB 838
3CR-01(3BS-1)(BS-V1A)(3ES-7)	3BS-1 ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 3ESTC1	AB 809
3CR-04(3BS-2)(BS-V1B)(3ES-8)	3BS-2 ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR40A 3ESTC2	AB 809
3CR-64(RBCU-3A)(RBCU-3A)(3ES-5)	RBCU 3A ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR80A 3ESTC1	AB 809
3CR-72(RBCU-3C)(3ES-6)	RBCU 3C ESFAS INTERFACE RLY	CUTLER-HAMMER D23MR80A 3ESTC2	AB 809
3ETX	EM TRIP AUX RLY	STRUTHERS-DUNN 219BBXP 3MTC1	AB 809
3ETX1	EM TRIP AUX RLY	STRUTHERS-DUNN 219BBXP 3MTC1	AB 809
3FDWPS0251	FDW PUMP 3A DISCH PRESS LOW	STATIC-O-RING 9NN-K45-N4-F1A 3MC-33	TB 775
3FDWPS0253	FDW PUMP 3B DISCH PRESS LOW	STATIC-O-RING 9NN-K45-N4-F1A 3MC-32	TB 775
3FDWPS0382	FWP 3A CONTROL OIL PRESS SWITCH (3TD-00)	CUSTOM CC-604GZ3 3B TBOX EH	TB 775

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3FDWPS0383	FWPT 3A CONTROL OIL PRESS SWITCH (3TE-00)	CUSTOM CC-604GZ3 3B TBOX EH	TB 775
3FDWPS0384	FWP 3B CONTROL OIL PRESS SWITCH (3TD-00)	CUSTOM CC-604GZ3 3A TBOX EH	TB 775
3FDWPS0385	MDEFWP 3B CONTROL OIL PRESS SWITCH (3TE-00)	CUSTOM CC-604GZ3 3B TBOX EH	TB 775
3HP32-FS1	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 3ICS	AB 822
3HP32-FS2	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 3ICS	AB 822
3HP32-FS3	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 3ICS	AB 822
3HP32-FS4	LOW RC SEAL INLET FLOW	SAIC RP 2049-2 3ICS	AB 822
3HP53-FS	RCP SEAL INLET FLOW SWITCH (ELECTRONIC MODULE)	SAIC RP 2049-2 3ICS	AB 822
3HP60-FS	LOW RC PUMP SEAL FLOW	BAILEY CONTROLS 6613303-1 3ICS	AB 822
3PHRX	PZR HTR GROUND AUX RLY	CUTLER-HAMMER D26MR40A PHC/SSF	SSF 777

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Page 9 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3POX1	ALL CCWP OFF AUX RLY	CUTLER-HAMMER D23MRD70A1 3MTC1	AB 809
3POX3	ONLY 1 CCW PUMP OPER IN STATION AUX RLY	CUTLER-HAMMER D23MR80A 3MTC1	AB 809
3POX4	CCW TIME DELAY RLY	AGASTAT 2412 AD 3MTC1	AB 809
3POX5	CCW SYS CONTROL RLY	CUTLER-HAMMER D26MR40A 3MTC1	AB 809
3R01	FWPT 3A BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 3MTC2	AB 809
3R02	FWPT 3A BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD07A1 3MTC2	AB 809
3R03	FWPT 3B BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 3MTC2	AB 809
3R04	FWPT 3B BRG OIL NORMAL PRESSURE RLY	CUTLER-HAMMER D23MRD07A1 3MTC2	AB 809
3R09	FWP 3A SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 3MTC2	AB 809
3R10	FWP 3A SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD07A1 3MTC2	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3R11	FWP 3B SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 3MTC2	AB 809
3R12	FWP 3B SUCTION VALVE CLOSED RLY	CUTLER-HAMMER D23MRD70A1 3MTC2	AB 809
3R13	FWP DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D23MRD70A1 3MTC2	AB 809
3R14	FWP DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D23MRD07A1 3MTC2	AB 809
3R251	FWP 3A DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D26MRD40A1 3MTC2	AB 809
3R253	FWP 3B DISCHARGE HEADER LOW PRESSURE RLY	CUTLER-HAMMER D26MRD40A1 3MTC2	AB 809
3RC3/PS8	RC PRESSURE CONTROL SWITCH	BAILEY CONTROLS 6613303-1 3ICS	AB 822
3RCTI0148	3RC-66 CONTROL TIMER	AGASTAT 7012 PB 3MTC4	AB 809
3RLS1	CH A LOAD SHED TIMING RLY	WESTINGHOUSE TD-5 (293B301A25) 3EPSLP1	AB 809
3RLS1X	CH A LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3RLS1X1	CH A LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD43A1 3EPSLP1	AB 809
3RLS2	CH B LOAD SHED TIMING RLY	WESTINGHOUSE TD-5 (293B301A25) 3EPSLP1	AB 809
3RLS2X	CH B LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
3RLS2X1	CH B LOAD SHED TIMING AUX RLY	CUTLER-HAMMER D23MRD43A1 3EPSLP1	AB 809
3RTEA	PHASE A STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
3RTEB	PHASE B STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
3RTEC	PHASE C STUP BUS EPSL TEST RLY	CUTLER-HAMMER D23MRD704A1 3EPSLP1	AB 809
3RX-01(3BS-1)	3BS-1 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC1	AB 809
3RX-03(3BS-2)	3BS-2 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC2	AB 809
3RX-09(3PR-7)(PR-V7)(3ES-1)	3PR-7 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Page 12 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3RX-10(3PR-8)(PR-V8)(3ES-2)	3PR-8 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 3ESTC2	AB 809
3RX-11(3PR-9)(PR-V9)(3ES-1)	3PR-9 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC1	AB 809
3RX-13(3PR-10)(PR-V10)(3ES-2)	3PR-10 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 3ESTC2	AB 809
3RX-28(3HP-27)	3HP-27 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC2	AB 809
3RX-29(3HP-25)	3HP-25 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC2	AB 809
3RX-35(3RC-7)(3ES-2)	3RC-7CONTROL RLY	CUTLER-HAMMER D23MRD30A1 3ESTC2	AB 809
3RX-36(3FDW-106)(CA-V5A)(3ES-2)	3FDW-106 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 3ESTC2	AB 809
3RX-37(3FDW-108)(CA-V5B)(3ES-2)	3FDW-108 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 3ESTC2	AB 809
3RX-39(3HP-26)	3HP-26 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC1	AB 809
3RX-41(3HP-24)	3HP-24 CONTROL RLY	CUTLER-HAMMER D23MR40A 3ESTC1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Page 13 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3SBC1AX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D26MRD70A1 3EPSLP1	AB 809
3SBC1BX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1 3EPSLP1	AB 809
3SBC2AX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D26MRD70A1 3EPSLP1	AB 809
3SBC2BX	STBY BKR CLOSING AUX RLY	CUTLER-HAMMER D23MRD70A1/D26MF 3EPSLP1	AB 809
3SLA	MDEFWP 3A CONT RLY	CUTLER-HAMMER D26MR40A/D87AE 3MTC4	AB 809
3SLB	MDEFWP 3B CONT RLY	CUTLER-HAMMER D26MR40A/D87AE 3MTC4	AB 809
3SR3	3GWD-13 CONT RLY	CUTLER-HAMMER D26MRD30A1 3ESTC2A	AB 809
3SR5	3CS-6 CONT RLY	CUTLER-HAMMER D26MRD30A1 3ESTC2A	AB 809
3STARA	STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	CUTLER-HAMMER D26MDR70A1/D87XDL 3EPSLP1	AB 809
3STARB	STUP BUS ANTI-RECYCLE BKR LOCKOUT RLY	CUTLER-HAMMER D26MRD70A1/D87XDL 3EPSLP1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3STD-1BX	U3 STBY BKR S13 LOGIC TIME DELAY TRIP AUX RLY B	CUTLER-HAMMER D23MRD70A1 3EPSLP2	AB 809
3STD-2BX	U3 STBY BKR S23 LOGIC TIME DELAY TRIP AUX RLY B	CUTLER-HAMMER D23MRD70A1 3EPSLP2	AB 809
3TOPS0176B	FWPT 3A BEARING OIL PRESS LOW	SQUARE D AMG4-9013-D 3A TBOX EH	TB 775
3TOPS0192B	FWPT 3B BEARING OIL PRESS LOW	SQUARE D ALG3-9013-DR 3B TBOX EH	TB 775
3UPOX	CCW SYSTEM CONT RLY	CUTLER-HAMMER D40RR34A1 3MTC1	AB 809
3X5A(3TD-03)	LOADSHED CONTROL RLY (XFMR 3X05)	CUTLER-HAMMER D26MRD70A1 3TD	TB 796
3X5B(3TD-03)	LOADSHED CONTROL RLY (XFMR 3X05)	CUTLER-HAMMER D26MRD70A1 3TD	TB 796
3X6A(3TE-03)	LOADSHED CONTROL RLY (XFMR 3X06)	CUTLER-HAMMER D26MRD70A1 3TE	TB 796
3X6B(3TE-03)	LOADSHED CONTROL RLY (XFMR 3X06)	CUTLER-HAMMER D26MRD70A1 3TE	TB 796
3XA-A-F02A/(3MS-77)/MS	208V MCC 3XA-A-F02A STARTER (3MS-77)	CLARK BUL 6030 CY-1 (H1) 3XA-A	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XA-A-F02B/(3MS-78)/MS	208V MCC 3XA-A-F02B STARTER (3MS-78)	CLARK BUL 6030 CY-1 (H1) 3XA-A	TB 796
3XA-A-F02C/(3MS-81)/MS	208V MCC 3XA-A-F02C STARTER (3MS-81)	CLARK BUL 6030 CY-1 (H1) 3XA-A	TB 796
3XA-A-F02D/(3MS-80)/MS	208V MCC 3XA-A-F02D STARTER (3MS-80)	CLARK BUL 6030 CY-1 (H1) 3XA-A	TB 796
3XA-A-R05A/(3MS-82)/MS	208V MCC 3XA-A-R05A STARTER (3MS-82)	CLARK BUL 6030 CY-1 (H1) 3XA-A	TB 796
3XA-A-R05B/(3MS-84)/MS	208V MCC 3XA-A-R05B STARTER (3MS-84)	CLARK BUL 6030 CY-1 (H1) 3XA-A	TB 796
3XA-A-R05C/(3LPSW-137)/MS	208V MCC 3XA-A-R05C STARTER (3LPSW-137)	CLARK BUL 6030 CY-1 (H1) 3XA-A	TB 796
3XA-R02A/(3SSH-1)/MS	208V MCC 3XA-R02A STARTER (3SSH-01)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XA-R02B/(3SSH-3)/MS	208V MCC 3XA-R02B STARTER (3SSH-03)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XA-R03A/(3V-186)/MS	208V MCC 3XA-R03A STARTER (3V-186)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XA-R06A/(3MS-35)/MS	208V MCC 3XA-R06A STARTER (3MS-35)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Page 16 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XA-R06B/(3MS-36)/MS	208V MCC 3XA-R06B STARTER (3MS-36)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XA-R06C/(3MS-76)/MS	208V MCC 3XA-R06C STARTER (3MS-76)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XA-R06D/(3MS-79)/MS	208V MCC 3XA-R06D STARTER (3MS-79)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XA-R07C/(3CCW-27)/MS	208V MCC 3XA-R07C STARTER (3CCW-27)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XA-R07D/(3CCW-29)/MS	208V MCC 3XA-R07D STARTER (3CCW-29)	CLARK BUL 6030 CY-1 (H1) 3XA	TB 796
3XC-R04E/(3MS-47)/MS	208V MCC 3XC-R04E STARTER (3MS-47)	CLARK BUL 6030 CY-1 (H1) 3XC	TB 775
3XC-R05C/(3C-160)/MS	208V MCC 3XC-R05C STARTER (3C-160)	CLARK BUL 6030 CY-1 (H1) 3XC	TB 775
3XC-R05D/(3C-391)/MS	208V MCC 3XC-R05D STARTER (3C-391)	CLARK BUL 6030 CY-1 (H1) 3XC	TB 775
3XGA-F07C/(3C-156)/MS	208V MCC 3XGA-F07C STARTER (3C-156)	CLARK BUL 6030 CY-1 (H1) 3XGA	TB 796
3XGA-F07D/(3C-158)/MS	208V MCC 3XGA-F07D STARTER (3C-158)	CLARK BUL 6030 CY-1 (H1) 3XGA	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XGA-F08A/(3LPSW-120)/MS	208V MCC 3XGA-F08A STARTER (3LPSW-120)	CLARK BUL 6030 CY-1 (H1) 3XGA	TB 796
3XGA-F08C/(3LPSW-123)/MS	208V MCC 3XGA-F08C STARTER (3LPSW-123)	CLARK BUL 6030 CY-1 (H1) 3XGA	TB 796
3XGA-R02A/(3C-153)/MS	208V MCC 3XGA-R02A STARTER (3C-153)	CLARK BUL 6030 CY-1 (H1) 3XGA	TB 796
3XGA-R02B/(3C-152)/MS	208V MCC 3XGA-R02B STARTER (3C-152)	CLARK BUL 6030 CY-1 (H1) 3XGA	TB 796
3XGB-R01A/(3MS-17)/MS	208V MCC 3XGB-R01A STARTER (3MS-17)	CLARK BUL 6030 CY-1 (H1) 3XGB	TB 796
3XGB-R01B/(3MS-26)/MS	208V MCC 3XGB-R01B STARTER (3MS-26)	CLARK BUL 6030 CY-1 (H1) 3XGB	TB 796
3XGB-R01C/(3MS-24)/MS	208V MCC 3XGB-R01C STARTER (3MS-24)	CLARK BUL 6030 CY-1 (H1) 3XGB	TB 796
3XGB-R01D/(3MS-33)/MS	208V MCC 3XGB-R01D STARTER (3MS-33)	CLARK BUL 6030 CY-1 (H1) 3XGB	TB 796
3XI-01BB/(RSC-3FDW-369)/MS	REMOTE STARTER (3FDW-369) (FED FROM 600V MCC 3XI-01BB)	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-369/ENCL	AB 809
3XI-01BB/(RSC-3FDW-372)/MS	REMOTE STARTER (3FDW-372) (FED FROM 600V MCC 3XI-01BB)	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-372/ENCL	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XI-01BB/(RSC-3FDW-374)/MS	REMOTE STARTER (3FDW-374) (FED FROM 600V MCC 3XI-01BB)	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-374/ENCL	AB 809
3XI-01BB/(RSC-3PR-59)/MS	600V MCC 3XI-01BB REMOTE STARTER (3PR-59)	GTE-SYLVANIA BUL 6040 TM 3RSC-3PR-59/ENCL	AB 809
3XJ-01BT/(RSC-3FDW-368)/MS	REMOTE STARTER (3FDW-368) (FED FROM 600V MCC 3XJ-01BT)	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-368/ENCL	AB 809
3XJ-01BT/(RSC-3FDW-382)/MS	REMOTE STARTER (3FDW-382) (FED FROM 600V MCC 3XJ-01BT)	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-382/ENCL	AB 809
3XJ-01BT/(RSC-3FDW-384)/MS	REMOTE STARTER (3FDW-384) (FED FROM 600V MCC 3XJ-01BT)	GTE-SYLVANIA BUL 6040 TM 3RSC-3FDW-384/ENCL	AB 809
3XJ-01BT/(RSC-3PR-60)/MS	600V MCC 3XJ-01BT REMOTE STARTER (3PR-60)	GTE-SYLVANIA BUL 6040 TM 3RSC-3PR-60/ENCL	AB 809
3XL-04CT/(RSC-3LP-126)/MS	600V MCC 3XL REMOTE STARTER (3LP-126)	CLARK BUL 6038 3RSC-3LP-126/ENCL	AB 771
3XL-05E/(3HP-23)/MS	208V MCC 3XL-05E STARTER (3HP-23)	CLARK BUL 6030 CY-1 (H1) 3XL	AB 771
3XL-06D/(3HP-98)/MS	208V MCC 3XL-06D STARTER (3HP-98)	CLARK BUL 6030 CY-1 (H1) 3XL	AB 771
3XL-06E/(3LP-5)/MS	208V MCC 3XL-06E STARTER (3LP-5)	CLARK BUL 6030 CY-1 (H1) 3XL	AB 771

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XL-07D/(3LP-9)/MS	208V MCC 3XL-07D STARTER (3LP-9)	CLARK BUL 6030 CY-1 (H1) 3XL	AB 771
3XL-08E/(3LP-6)/MS	208V MCC 3XL-08E STARTER (3LP-6)	CLARK BUL 6030 CY-1 (H1) 3XL	AB 771
3XL-09D/(3LP-15)/MS	208V MCC 3XL-09D STARTER (3LP-15)	CLARK BUL 6030 CY-1 (H1) 3XL	AB 771
3XN-05D/(3HP-115)/MS	208V MCC 3XN-05D STARTER (3HP-115)	CLARK BUL 6030 CY-1 (H1) 3XN	AB 771
3XN-05E/(3LP-7)/MS	208V MCC 3XN-05E STARTER (3LP-7)	CLARK BUL 6030 CY-1 (H1) 3XN	AB 771
3XN-06D/(3LP-16)/MS	208V MCC 3XN-06D STARTER (3LP-16)	CLARK BUL 6030 CY-1 (H1) 3XN	AB 771
3XN-06E/(3LP-8)/MS	208V MCC 3XN-06E STARTER (3LP-8)	CLARK BUL 6030 CY-1 (H1) 3XN	AB 771
3XN-07D/(3LP-10)/MS	208V MCC 3XN-07D STARTER (3LP-10)	CLARK BUL 6030 CY-1 (H1) 3XN	AB 771
3XO-R01A/(3LPSW-16)/MS	208V MCC 3XO-R01A STARTER (3LPSW-16)	CLARK BUL 6030 CY-1 (H1) 3XO	AB 796
3XO-R01B/(3LPSW-19)/MS	208V MCC 3XO-R01B STARTER (3LPSW-19)	CLARK BUL 6030 CY-1 (H1) 3XO	AB 796

Appendix D - O3

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XO-R03D/(3RC-3)/MS	208V MCC 3XO-R03D STARTER (3RC-03)	CLARK BUL 6030 CY-1 (H1) 3XO	AB 796
3XP-R01A/(3LPSW-22)/MS	208V MCC 3XP-R01A STARTER (3LPSW-22)	CLARK BUL 6030 CY-1 (H1) 3XP	AB 796
3XRA(3TD-00)	MDEFWP 3A CONTROL RLY	CUTLER-HAMMER D26MRD30A1 3TD	TB 796
3XRB(3TE-00)	MDEFWP 3B CONTROL RLY	CUTLER-HAMMER D26MRD40A1 3TE	TB 796
3XS1-F02C/(3CCW-10)/MS	600V MCC 3XS1-F02C STARTER (3CCW-10)	CLARK BUL 6030 CY-1 (B1A) 3XS1	AB 796
3XS1-F03C/(3CCW-13)/MS	600V MCC 3XS1-F03C STARTER (3CCW-13)	CLARK BUL 6030 CY-1 (B1A) 3XS1	AB 796
3XS1-F04D/(3LP-1)/MS	600V MCC 3XS1-F04D STARTER (3LP-1)	CLARK BUL 6030 CY-1 (B1A) 3XS1	AB 796
3XS1-F04E/(3LP-17)/MS	600V MCC 3XS1-F04E STARTER (3LP-17)	CLARK BUL 6030 CY-2 (B2A) 3XS1	AB 796
3XS1-F05C/(RSC-3LP-2)/MS	600V REMOTE STARTER F01C (3LP-2)	GTE-SYLVANIA/CLAR BUL 6200 XSF(600V)	SSF 777
3XS1-R01A/(3LP-12)/MS	208V MCC 3XS1-R01A STARTER (3LP-12)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796

Appendix D - O3

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XS1-R01B/(3LP-3)/MS	208V MCC 3XS1-R01B STARTER (3LP-3)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R01C/(3LP-19)/MS	208V MCC 3XS1-R01C STARTER (3LP-19)	CLARK BUL 6030 CY-1 (H1) 3XS1	AB 796
3XS1-R01D/(3HP-24)/MS	208V MCC 3XS1-R01D STARTER (3HP-24)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R02A/(3HP-26)/MS	208V MCC 3XS1-R02A STARTER (3HP-26)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R02B/(3GWD-12)/MS	208V MCC 3XS1-R02B STARTER (3GWD-12)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R02D/(3CS-5)/MS	208V MCC 3XS1-R02D STARTER (3CS-5)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R03D/(3LPSW-4)/MS	208V MCC 3XS1-R03D STARTER (3LPSW-4)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R03E/(3LPSW-18)/MS	208V MCC 3XS1-R03E STARTER (3LPSW-18)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R04E/(3BS-3)/MS	208V MCC 3XS1-R04E STARTER (3BS-3)	CLARK BUL 6030 CY-1 (H1) 3XS1	AB 796
3XS1-R05A/(3PR-7)/MS	208V MCC 3XS1-R05A STARTER (3PR-7)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796

Appendix D - O3

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Page 22 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XS1-R05B/(3PR-9)/MS	208V MCC 3XS1-R05B STARTER (3PR-9)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R05C/(3BS-1)/MS	208V MCC 3XS1-R05C STARTER (3BS-1)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R05D/(RBCUFAN3ADAMPER)/MS	208V MCC 3XS1-R05D STARTER (RBCU FAN 3A DAMPER)	CLARK BUL 6030 CY-1 (H1) 3XS1	AB 796
3XS1-R06C/(3FDW-105)/MS	208V MCC 3XS1-R06C STARTER (3FDW-105)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS1-R06D/(3FDW-107)/MS	208V MCC 3XS1-R06D STARTER (3FDW-107)	CLARK BUL 6030 CY-1 (H1A) 3XS1	AB 796
3XS2-F02D/(3CCW-11)/MS	600V MCC 3XS2-F02D STARTER (3CCW-11)	CLARK BUL 6030 CY-1 (B1A) 3XS2	AB 796
3XS2-F04E/(3LP-18)/MS	600V MCC 3XS2-F04E STARTER (3LP-18)	CLARK BUL 6030 CY-2 (B2A) 3XS2	AB 796
3XS2-R01A/(3HP-25)/MS	208V MCC 3XS2-R01A STARTER (3HP-25)	CLARK BUL 6030 CY-1 (H1A) 3XS2	AB 796
3XS2-R01B/(3HP-27)/MS	208V MCC 3XS2-R01B STARTER (3HP-27)	CLARK BUL 6030 CY-1 (H1A) 3XS2	AB 796
3XS2-R01C/(3LP-14)/MS	208V MCC 3XS2-R01C STARTER (3LP-14)	CLARK BUL 6030 CY-1 (H1A) 3XS2	AB 796

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XS2-R01D/(3BS-4)/MS	208V MCC 3XS2-R01D STARTER (3BS-4)	CLARK BUL 6030 CY-1 (H1) 3XS2	AB 796
3XS2-R02D/(3LPSW-5)/MS	208V MCC 3XS2-R02D STARTER (3LPSW-5)	CLARK BUL 6030 CY-1 (H1A) 3XS2	AB 796
3XS2-R02E/(3LPSW-24)/MS	208V MCC 3XS2-R02E STARTER (3LPSW-24)	CLARK BUL 6030 CY-1 (H1A) 3XS2	AB 796
3XS2-R04A/(3BS-2)/MS	208V MCC 3XS2-R04A STARTER (3BS-2)	CLARK BUL 6030 CY-1 (H1A) 3XS2	AB 796
3XS2-R04C/(3LP-20)/MS	208V MCC 3XS2-R04C STARTER (3LP-20)	CLARK BUL 6030 CY-1 (H1) 3XS2	AB 796
3XS2-R04D/(RBCUFAN3CDAMPER)/MS	208V MCC 3XS2-R04D STARTER (RBCU FAN 3C DAMPER)	CLARK BUL 6030 CY-1 (H1) 3XS2	AB 796
3XS3-02D/(RSC-3HP-409)/MS	REMOTE STARTER (3HP-409) FED FROM 600V MCC 3XS3-02D	GTE-SYLVANIA T40TA 3RSC-3HP-409/ENCL	AB 796
3XS3-02E/(3CCW-12)/MS	600V MCC 3XS3-02E STARTER (3CCW-12)	CLARK BUL 6030 CY-1 (B1A) 3XS3	AB 796
3XS3-03CB/(RSC-3LPSW-566)/MS	REMOTE STARTER (3LPSW-566) (FED FROM 600V MCC 3XS3-03CB)	SYLVANIA BUL 6040 3RSC-3LPSW-566/ENCL	AB 796
3XS3-03CT/(RSC-3LPSW-565)/MS	REMOTE STARTER (3LPSW-565) (FED FROM 600V MCC 3XS3-03CT)	SYLVANIA BUL 6040 3RSC-3LPSW-565/ENCL	AB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XS3-05C/(3LPSW-21)/MS	208V MCC 3XS3-05C STARTER (3LPSW-21)	CLARK BUL 6030 CY-1 (H1A) 3XS3	AB 796
3XS3-05D/(3LPSW-45)/MS	208V MCC 3XS3-05D STARTER (3LPSW-45)	CLARK BUL 6030 CY-1 (H1A) 3XS3	AB 796
3XS3-05E/(RBCUFAN3BDAMPER)/MS	208V MCC 3XS3-05E STARTER (RBCU FAN 3B DAMPER)	CLARK BUL 6030 CY-1 (H1) 3XS3	AB 796
3XSF-1-F01D/(3RC-5)/MS	208V MCC 3XSF-1-F01D STARTER (3RC-5)	GTE-SYLVANIA/CLAR BUL 6240 3XSF-1(208V)	SSF 797
3XSF-1-F01E/(3RC-6)/MS	208V MCC 3XSF-1-F01E STARTER (3RC-06)	GTE-SYLVANIA/CLAR BUL 6240 3XSF-1(208V)	SSF 797
3XSF-1-F02B/(3HP-428)/MS	208V MCC 3XSF-1-F02B STARTER (3HP-428)	GTE-SYLVANIA BUL 6240 3XSF-1(208V)	SSF 797
3XSF-F01BL(600V)/(RSC-3CCW-287)/MS	600V REMOTE STARTER (3CCW-287) FED FROM 600V MCC 3XSF	GTE-SYLVANIA BUL 6038/40 TM 3RSC-3CCW-287/ENCL	SSF 758
3XSF-F01C(208V)/(3HP-3)/MS	208V MCC 3XSF-F01C STARTER (3HP-3)	GTE-SYLVANIA BUL 6240 3XSF(208V)	SSF 817
3XSF-F01C(600V)/(3FDW-347)/MS	600V MCC 3XSF-F01C MTR STARTER (3FDW-347)	GTE-SYLVANIA BUL 6240 3XSF(600V)	SSF 817
3XSF-F01D(208V)/(3HP-4)/MS	208V MCC 3XSF-F01D STARTER (3HP-4)	GTE-SYLVANIA BUL 6240 3XSF(208V)	SSF 817

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
3XSF-F01D(600V)/(3CCW-269)/MS	600V MCC 3XSF-F01D STARTER (3CCW-269)	GTE-SYLVANIA BUL 6240 3XSF(600V)	SSF 817
3XSF-F02C(208V)/(3HP-20)/MS	208V MCC 3XSF-F02C STARTER (3HP-20)	GTE-SYLVANIA BUL 6240 3XSF(208V)	SSF 817
3XSF-F04B(600V)/(3HP-426)/MS	600V MCC 3XSF-F04B STARTER (3HP-426)	GTE-SYLVANIA BUL 6240 3XSF(600V)	SSF 817
3XSF-F05B(600V)/(3HP-405)/MS	600V MCC 3XSF-F05B STARTER (3HP-405)	GTE-SYLVANIA BUL 6240 3XSF(600V)	SSF 817
3XSF-F06C(600V)/(3RC-4)/MS	600V MCC 3XSF-F06C STARTER (3RC-04)	GTE-SYLVANIA BUL 6240 3XSF(600V)	SSF 817
3XSF-F06D(600V)/(3LP-103)/MS	600V MCC 3XSF-F06D STARTER (3LP-103)	GTE-SYLVANIA/CLAR BUL 6240 3XSF(600V)	SSF 817
50-51X(3TC-02)	XFMR 3X01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TC	TB 796
50-51X(3TC-03)	XFMR 3X04 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TC	TB 796
50-51X(3TC-04)	CCW PUMP 3A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51X(3TC-05)	CCW PUMP 3D OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51X(3TC-08)	HPI PUMP 3A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51X(3TC-09)	3LPI PUMP A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51X(3TC-11)	LPSW PUMP 3A OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51X(3TC-13)	XFMR 3X08 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TC	TB 796
50-51X(3TD-02)	XFMR 3X02 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TD	TB 796
50-51X(3TD-03)	XFMR 3X05 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TD	TB 796
50-51X(3TD-04)	CCW PUMP 3B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796
50-51X(3TD-09)	HPI PUMP 3C OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796
50-51X(3TD-10)	3LPI PUMP B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796
50-51X(3TD-12)	LPSW PUMP 3B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Page 27 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51X(3TD-13)	XFMR 3X09 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TD	TB 796
50-51X(3TE-02)	XFMR 3X03 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TE	TB 796
50-51X(3TE-03)	XFMR 3X06 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875277) 3TE	TB 796
50-51X(3TE-04)	CCW PUMP 3C OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TE	TB 796
50-51X(3TE-09)	HPI PUMP 3B OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TE	TB 796
50-51X(3TE-12)	XFMR 3X10 OC RLY (X PHASE)	WESTINGHOUSE CO-5 (1875241) 3TE	TB 796
50-51Z(3TC-02)	XFMR 3X01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TC	TB 796
50-51Z(3TC-03)	XFMR 3X04 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TC	TB 796
50-51Z(3TC-04)	CCW PUMP 3A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51Z(3TC-05)	CCW PUMP 3D OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Page 28 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51Z(3TC-08)	HPI PUMP 3A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51Z(3TC-09)	3LPI PUMP A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51Z(3TC-11)	LPSW PUMP 3A OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TC	TB 796
50-51Z(3TC-13)	XFMR 3X08 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TC	TB 796
50-51Z(3TD-02)	XFMR 3X02 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TD	TB 796
50-51Z(3TD-03)	XFMR 3X05 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TD	TB 796
50-51Z(3TD-04)	CCW PUMP 3B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796
50-51Z(3TD-09)	HPI PUMP 3C OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796
50-51Z(3TD-10)	3LPI PUMP B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796
50-51Z(3TD-12)	LPSW PUMP 3B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TD	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
50-51Z(3TD-13)	XFMR 3X09 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TD	TB 796
50-51Z(3TE-02)	XFMR 3X03 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TE	TB 796
50-51Z(3TE-03)	XFMR 3X06 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875277) 3TE	TB 796
50-51Z(3TE-04)	CCW PUMP 3C OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TE	TB 796
50-51Z(3TE-09)	HPI PUMP 3B OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TE	TB 796
50-51Z(3TE-12)	XFMR 3X10 OC RLY (Z PHASE)	WESTINGHOUSE CO-5 (1875241) 3TE	TB 796
50BN13(3B1T-05)	U3 NORM BKR N13 INSTANTANEOUS OC RLY	GENERAL-ELECTRIC CHC11A21A 3B1T	BH 796
50BN23(3B2T-01)	U3 NORM BKR N23 INSTANTANEOUS OC RLY	GENERAL-ELECTRIC CHC11A21A 3B2T	BH 796
51G(3B1T-01)	U3 STUP BKR E13 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3B1T	BH 796
51G(3B1T-05)	U3 NORM BKR N13 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3B1T	BH 796

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Page 30 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51G(3B2T-01)	U3 NORM BKR N23 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3B2T	BH 796
51G(3B2T-05)	U3 STUP BKR E23 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3B2T	BH 796
51G(3TC-01)	FDR BKR 3TC-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3TC	TB 796
51G(3TC-14)	FDR BKR 3TC-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3TC	TB 796
51G(3TD-01)	FDR BKR 3TD-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3TD	TB 796
51G(3TD-14)	FDR BKR 3TD-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3TD	TB 796
51G(3TE-01)	FDR BKR 3TE-01 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3TE	TB 796
51G(3TE-14)	FDR BKR 3TE-14 GROUND OC RLY	WESTINGHOUSE CO-6 (1876904) 3TE	TB 796
51TN/CT3(230KV)	XFMR CT3 230 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875252) 3EB1	AB 822
51TN/CT3(4160V)	XFMR CT3 4.16 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 3EB1	AB 822

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51TN/CT3(6900V)	XFMR CT3 6.9 KV/NEUTRAL OC RLY	WESTINGHOUSE CO-7 (1875253) 3EB1	AB 822
51X(3B1T-01)	U3 STUP BKR E13 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3B1T	BH 796
51X(3B1T-05)	U3 NORM BKR N13 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3B1T	BH 796
51X(3B2T-01)	U3 NORM BKR N23 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3B2T	BH 796
51X(3B2T-05)	U3 STUP BKR E23 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3B2T	BH 796
51X(3TC-01)	FDR BKR 3TC-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3TC	TB 796
51X(3TC-14)	FDR BKR 3TC-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3TC	TB 796
51X(3TD-01)	FDR BKR 3TD-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3TD	TB 796
51X(3TD-14)	FDR BKR 3TD-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3TD	TB 796
51X(3TE-01)	FDR BKR 3TE-01 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3TE	TB 796

Appendix D - O3

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51X(3TE-14)	FDR BKR 3TE-14 OC RLY (X PHASE)	WESTINGHOUSE CO-8 (1875267) 3TE	TB 796
51Y(3B1T-01)	U3 STUP BKR E13 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) 3B1T	BH 796
51Y(3B1T-05)	U3 NORM BKR N13 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) 3B1T	BH 796
51Y(3B2T-01)	U3 NORM BKR N23 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) 3B2T	BH 796
51Y(3B2T-05)	U3 STUP BKR E23 OC RLY (Y PHASE)	WESTINGHOUSE CO-8 (1875267) 3B2T	BH 796
51Z(3B1T-01)	U3 STUP BKR E13 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3B1T	BH 796
51Z(3B1T-05)	U3 NORM BKR N13 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3B1T	BH 796
51Z(3B2T-01)	U3 NORM BKR N23 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3B2T	BH 796
51Z(3B2T-05)	U3 STUP BKR E23 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3B2T	BH 796
51Z(3TC-01)	FDR BKR 3TC-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3TC	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
51Z(3TC-14)	FDR BKR 3TC-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3TC	TB 796
51Z(3TD-01)	FDR BKR 3TD-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3TD	TB 796
51Z(3TD-14)	FDR BKR 3TD-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3TD	TB 796
51Z(3TE-01)	FDR BKR 3TE-01 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3TE	TB 796
51Z(3TE-14)	FDR BKR 3TE-14 OC RLY (Z PHASE)	WESTINGHOUSE CO-8 (1875267) 3TE	TB 796
62B1/PCB-28	PCB 28 AUX BKR FAIL RLY	STRUTHERS-DUNN 219BBXP 3EB1	AB 822
62B1/PCB-30	PCB 30 AUX BKR FAIL RLY	STRUTHERS-DUNN 219BBXP 3EB1	AB 822
62B13(3B1T-01)	U3 MAIN BUS 1 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 3KESP	AB 809
62B23(3B2T-05)	U3 MAIN BUS 2 BKR FAIL TIMER RLY	WESTINGHOUSE TD-5 (293B301A25) 3KESP	AB 809
62BX(3TC-01)	FDR BKR 3TC-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3TC	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
62BX(3TC-14)	FDR BKR 3TC-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3TC	TB 796
62BX(3TD-01)	FDR BKR 3TD-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3TD	TB 796
62BX(3TD-14)	FDR BKR 3TD-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3TD	TB 796
62BX(3TE-01)	FDR BKR 3TE-01 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3TE	TB 796
62BX(3TE-14)	FDR BKR 3TE-14 BKR FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3TE	TB 796
62BXE13(3B1T-03)	U3 STUP BKR E13 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3B1T	BH 796
62BXE23(3B2T-02)	U3 STUP BKR E23 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3B2T	BH 796
62BXN13(3B1T-03)	U3 NORM BKR N13 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3B1T	BH 796
62BXN23(3B2T-02)	U3 NORM BKR N23 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) 3B2T	BH 796
62BXS13(B1T-07)	U3 STBY BKR S13 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B1T	BH 796

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
62BXS23(B2T-07)	U3 STBY BKR S23 FAIL AUX RLY	WESTINGHOUSE AR (606B029A09) B2T	BH 796
62SIF/U3	3HP-31 CONTROL RLY	POTTER-BRUMFIELD KRPA14AN 3ICS	AB 822
83-L/SSV/U3	ICS CONTROL LATCHING RLY (3RC-3) (SHOWN AS MO & MC CONTACTS)	POTTER-BRUMFIELD KRP11AG 3ICS	AB 822
83/SIF/U3	RCP SEAL INLET FLOW AUTO-MAN TRANS RELAY	BAILEY CONTROLS 6614306-1 3ICS	AB 822
86(3TC-01)	FDR BKR 3TC-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3TC	TB 796
86(3TC-14)	FDR BKR 3TC-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3TC	TB 796
86(3TD-01)	FDR BKR 3TD-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3TD	TB 796
86(3TD-14)	FDR BKR 3TD-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3TD	TB 796
86(3TE-01)	FDR BKR 3TE-01 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3TE	TB 796
86(3TE-14)	FDR BKR 3TE-14 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3TE	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Page 36 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
86/CT3	CT3 XFMR LOCKOUT RLY	ELECTRO-SWITCH LOR (SERIES 24) 3EB1	AB 822
86/FS1/U3	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 3ICS	AB 822
86/FS2/U3	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 3ICS	AB 822
86/FS3/U3	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 3ICS	AB 822
86/FS4/U3	LOW RC SEAL INLET FLOW RLY	POTTER-BRUMFIELD KRP14AN 3ICS	AB 822
86/SIFP/U3	RCP SEAL INLET FLOW CONTROL RLY	POTTER-BRUMFIELD KRP14AN 3ICS	AB 822
86B13(3B1T-02)	U3 MFB 1 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C239 3B1T	BH 796
86B23(3B2T-03)	U3 MFB 2 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C239 3B2T	BH 796
86BU3	U3 STUP BUS LOCKOUT RLY	ELECTRO-SWITCH LOR (SERIES 24) 3TCPA	TB 796
86CT3X(3B1T-02)	CT3 XFMR LOCKOUT AUX RLY	CUTLER-HAMMER D23MRD70A1 3B1T	BH 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
86E13(3B1T-01)	U3 STUP BKR E13 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3B1T	BH 796
86E23(3B2T-05)	U3 STUP BKR E23 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C239 3B2T	BH 796
86N13(3B1T-05)	U3 NORM BKR N13 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3B1T	BH 796
86N23(3B2T-01)	U3 NORM BKR N23 LOCKOUT RLY	GENERAL-ELECTRIC HEA61C240 3B2T	BH 796
86XB13(3B1T-02)	U3 MFB 1 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) 3B1T	BH 796
86XB23(3B2T-03)	U3 MFB 2 LOCKOUT AUX RLY	WESTINGHOUSE MG-6/NO (288B977A19) 3B2T	BH 796
87B13(X)(3B1T-02)	U3 MFB 1 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) 3B1T	BH 796
87B13(Y)(3B1T-02)	U3 MFB 1 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) 3B1T	BH 796
87B13(Z)(3B1T-02)	U3 MFB 1 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) 3B1T	BH 796
87B23(X)(3B2T-03)	U3 MFB 2 DIFF RLY (X PHASE)	WESTINGHOUSE CA-16 (671B157A20) 3B2T	BH 796

Appendix D - O3

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
87B23(Y)(3B2T-03)	U3 MFB 2 DIFF RLY (Y PHASE)	WESTINGHOUSE CA-16 (671B157A20) 3B2T	BH 796
87B23(Z)(3B2T-03)	U3 MFB 2 DIFF RLY (Z PHASE)	WESTINGHOUSE CA-16 (671B157A20) 3B2T	BH 796
87BU3(X)	U3 STUP BUS DIFF RLY (X PHASE)	GENERAL-ELECTRIC PVD11C11A (Low 3TCPA	TB 796
87BU3(Y)	U3 STUP BUS DIFF RLY (Y PHASE)	GENERAL-ELECTRIC PVD11C11A (Low 3TCPA	TB 796
87BU3(Z)	U3 STUP BUS DIFF RLY (Z PHASE)	GENERAL-ELECTRIC PVD11C11A (Low 3TCPA	TB 796
87T/CT3(X)	CT2 XFMR DIFF RLY (X PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 3EB1	AB 822
87T/CT3(Y)	CT2 XFMR DIFF RLY (Y PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 3EB1	AB 822
87T/CT3(Z)	CT2 XFMR DIFF RLY (Z PHASE)	WESTINGHOUSE HU-1 (Low Ruggedness) 3EB1	AB 822
87TB/CT3(X)	CT3 XFMR 230KV SUPPLY BUS DIFF RLY (X PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 3EB2	AB 822
87TB/CT3(Y)	CT3 XFMR 230KV SUPPLY BUS DIFF RLY (Y PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 3EB2	AB 822

Appendix D - O3

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
87TB/CT3(Z)	CT3 XFMR 230KV SUPPLY BUS DIFF RLY (Z PHASE)	GENERAL-ELECTRIC PVD21D/NON-OP 3EB2	AB 822
94(3TC-01)	FDR BKR 3TC-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 3TC	TB 796
94(3TC-14)	FDR BKR 3TC-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 3TC	TB 796
94(3TD-01)	FDR BKR 3TD-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 3TD	TB 796
94(3TD-14)	FDR BKR 3TD-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 3TD	TB 796
94(3TE-01)	FDR BKR 3TE-01 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 3TE	TB 796
94(3TE-14)	FDR BKR 3TE-14 AUX TRIP RLY	WESTINGHOUSE AR (606B029A09) 3TE	TB 796
94E13(3B1T-01)	U3 STUP BKR E13 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) 3B1T	BH 796
94E23(3B2T-05)	U3 STUP BKR E23 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) 3B2T	BH 796
94N13(3B1T-05)	U3 NORM BKR N13 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) 3B1T	BH 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
94N23(3B2T-01)	U3 NORM BKR N23 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) 3B2T	BH 796
94S13(B1T-07)	U3 STBY BKR S13 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B1T	BH 796
94S23(B2T-07)	U3 STBY BKR S23 AUX TRIP RLY	WESTINGHOUSE AR (606B017A09) B2T	BH 796
94Y1(3B1T-03)	U3 STUP BKR E13 AUX TRIP RLY	CUTLER-HAMMER D23MRD22A1 3B1T	BH 796
94Y1(3B2T-02)	U3 STUP BKR E23 AUX TRIP RLY	CUTLER-HAMMER D23MRD22A1 3B2T	BH 796
ANACHAN1AR/U3(Typical)	AUX RLY MODULE (ES CH 1)	BAILEY CONTROLS 6622510 3ESFAS	AB 822
ANACHAN1BI/U3(Typical)	BISTABLE MODULE (ES CH 1)	BAILEY CONTROLS 6621500 3ESFAS	AB 822
ANACHAN1LB/U3(Typical)	LOGIC BUFFER MODULE (ES CH 1)	BAILEY CONTROLS 6624726 3ESFAS	AB 822
ANACHAN2AR/U3(Typical)	AUX RLY MODULE (ES CH 2)	BAILEY CONTROLS 6622510 3ESFAS	AB 822
ANACHAN2BI/U3(Typical)	BISTABLE MODULE (ES CH 2)	BAILEY CONTROLS 6621500E1 3ESFAS	AB 822

Appendix D - O3

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
ANACHAN2LB/U3(Typical)	LOGIC BUFFER MODULE (ES CH 2)	BAILEY CONTROLS 6624726A1 3ESFAS	AB 822
ANACHAN3AR/U3(Typical)	AUX RLY MODULE (ES CH 3)	BAILEY CONTROLS 6622510 3ESFAS	AB 822
ANACHAN3BI/U3(Typical)	BISTABLE MODULE (ES CH 3)	BAILEY CONTROLS 6621500E1 3ESFAS	AB 822
ANACHAN3LB/U3(Typical)	LOGIC BUFFER MODULE (ES CH 3)	BAILEY CONTROLS 6624726A1 3ESFAS	AB 822
CCWPX/3A	CCW PUMP 3A AUX RLY	CUTLER-HAMMER D26MRD704A1 3MTC1	AB 809
CCWPX/3B	CCW PUMP 3B AUX RLY	CUTLER-HAMMER D26MRD704A1 3MTC1	AB 809
CCWPX/3C	CCW PUMP 3C AUX RLY	CUTLER-HAMMER D26MRD704A1 3MTC1	AB 809
CCWPX/3D	CCW PUMP 3D AUX RLY	CUTLER-HAMMER D26MRD704A1 3MTC1	AB 809
CIR-E13(3B1T-01)	U3 STUP BKR E13 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 3B1T	BH 796
CIR-E23(3B2T-05)	U3 STUP BKR E23 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 3B2T	BH 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
CIR-S13(B1T-07)	U3 STBY BKR S13 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B1T	BH 796
CIR-S23(B2T-07)	U3 STBY BKR S23 CLOSE RLY	CUTLER-HAMMER D26MRD30A1 B2T	BH 796
CLS1(3TC-02)	U3 LOADSHED (C) RLY	CUTLER-HAMMER D23MRD70A1/D26MF 3TC	TB 796
CLS2(3TC-12)	U3 LOADSHED (C) RLY	CUTLER-HAMMER D23MRD70A1/D26MF 3TC	TB 796
CONTBUFF(ESCHAN1)/U3(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 1)	BAILEY CONTROLS 6623999A1 3ESFAS	AB 822
CONTBUFF(ESCHAN2)/U3(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 2)	BAILEY CONTROLS 6623999A1 3ESFAS	AB 822
CONTBUFF(ESCHAN3)/U3(Typical)	CONTACT BUFFER MODULE (ES CHANNEL 3)	BAILEY CONTROLS 6623999A1 3ESFAS	AB 822
CR-214	POL DEMIN ISOL VALVE C-232 AUX RELAY	STRUTHERS-DUNN 219BBXP 3 POWDEX PANEL	TB 771
CR-216	POL DEMIN ISOL VALVE C-237 AUX RELAY	STRUTHERS-DUNN 219BBXP 3 POWDEX PANEL	TB 771
CR-218	POL DEMIN ISOL VALVE C-244 AUX RELAY	STRUTHERS-DUNN 219BBXP 3 POWDEX PANEL	TB 771

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
CR-220	POL DEMIN ISOL VALVE C-251 AUX RELAY	STRUTHERS-DUNN 219BBXP 3 POWDEX PANEL	TB 771
CR-222	POL DEMIN ISOL VALVE C-258 AUX RELAY	STRUTHERS-DUNN 219BBXP 3 POWDEX PANEL	TB 771
CR-228	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 219BBXP 3 POWDEX PANEL	TB 771
CR3A	CHANNEL A KEOWEE EM START RLY	CUTLER-HAMMER D23MRD70A1 3KESP	AB 809
CR3B	CHANNEL B KEOWEE EM START RLY	CUTLER-HAMMER D23MRD70A1 3KESP	AB 809
CRV3/U3	3RC-66 SOLENOID ACTUATOR CONTACTOR	ITE/GOULD P102C111 3MTC4	AB 809
CX1/U3	UST BOTTOM TIE VALVE CONT RLY	CUTLER-HAMMER D23MR80A 3MTC3	AB 809
DIGCH1AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 1)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822
DIGCH1CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 1)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH1LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 1)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH1TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 1)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DIGCH2AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 2)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822
DIGCH2CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 2)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH2LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 2)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822
DIGCH2TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 2)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DIGCH3AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 3)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822
DIGCH3CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 3)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH3LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 3)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822
DIGCH3TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 3)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DIGCH4AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 4)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH4CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 4)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH4LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 4)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822
DIGCH4TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 4)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DIGCH5AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 5)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822
DIGCH5CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 5)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH5LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 5)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822
DIGCH5TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 5)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DIGCH6AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 6)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822
DIGCH6CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 6)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH6LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 6)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DIGCH6TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 6)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DIGCH7AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 7)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822
DIGCH7CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 7)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH7LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 7)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822
DIGCH7TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 7)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DIGCH8AR/U3(Typical)	AUX RLY MODULE (ES DIG CH 8)	BAILEY CONTROLS 6622510C 3ESFAS	AB 822
DIGCH8CB/U3(Typical)	CONTACT BUFFER MODULE (ES DIG CH 8)	BAILEY CONTROLS 6623999A 3ESFAS	AB 822
DIGCH8LT/U3(Typical)	LOGIC TEST MODULE (ES DIG CH 8)	BAILEY CONTROLS 6624040A 3ESFAS	AB 822
DIGCH8TL/U3(Typical)	TRIP LOGIC MODULE (ES DIG CH 8)	BAILEY CONTROLS 6624010A 3ESFAS	AB 822
DLS1(3TD-02)	U3 LOADSHED (D) RLY	CUTLER-HAMMER D23MRD70A1 3TD	TB 796

Appendix D - 03

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE LIST
UNIT 3

Page 47 of 53

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
DLS2(3TD-13)	U3 LOADSHED (D) RLY	CUTLER-HAMMER D23MRD70A1 3TD	TB 796
ELS1(3TE-02)	U3 LOADSHED (E) RLY	CUTLER-HAMMER D23MRD30A1 3TE	TB 796
ELS2(3TE-13)	U3 LOADSHED (E) RLY	CUTLER-HAMMER D23MRD110A1 3TE	TB 796
FIA/U3	UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192)	CUTLER-HAMMER D26MR22A 3AT4	AB 809
FPA/U3	UST MAKEUP CONTROL RELAY (C-176,C-187, & C-192)	CUTLER-HAMMER D26MR22A 3AT4	AB 809
HP53XR/U3	LOW RC SEAL INLET FLOW AUX RLY (HPI PUMP's A & B)	CUTLER-HAMMER D23MRD70A1 3MTC3	AB 809
LR-201	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-202	POL DEMIN ISOL VALVE C-232 AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-203	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-204	POL DEMIN ISOL VALVE C-237 AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
LR-205	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-206	POL DEMIN ISOL VALVE C-244 AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-207	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-208	POL DEMIN ISOL VALVE C-251 AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-209	POL DEMIN ISOL AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
LR-210	POL DEMIN ISOL VALVE C-258 AUX RELAY	STRUTHERS-DUNN 255XCXP 3 POWDEX PANEL	TB 771
NAS1/U3(FDWEP0270)	AUX RELAY CARD FOR (FDWEP0270)	WESTINGHOUSE 2838A89G01 3SGLC	AB 809
NAS1/U3(FDWEP0271)	AUX RELAY CARD FOR (FDWEP0271)	WESTINGHOUSE 2838A89G01 3SGLC	AB 809
NAS1/U3(FDWEP0272)	AUX RELAY CARD FOR (FDWEP0272)	WESTINGHOUSE 2838A89G01 3SGLC	AB 809
NAS1/U3(FDWEP0273)	AUX RELAY CARD FOR (FDWEP0273)	WESTINGHOUSE 2838A89G01 3SGLC	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
NCD/U3(FDWEP0270)	DRIVER CARD FOR (FDWEP0270)	WESTINGHOUSE 2837A16G03 3SGLC	AB 809
NCD/U3(FDWEP0271)	DRIVER CARD FOR (FDWEP0271)	WESTINGHOUSE 2837A16G03 3SGLC	AB 809
NCD/U3(FDWEP0272)	DRIVER CARD FOR (FDWEP0272)	WESTINGHOUSE 2837A16G03 3SGLC	AB 809
NCD/U3(FDWEP0273)	DRIVER CARD FOR (FDWEP0273)	WESTINGHOUSE 2837A16G03 3SGLC	AB 809
PHRX/RX-7/U3	PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP D)	CLARK X5U5-3 PM 3XJ	AB 809
PHRX/RX-8/U3	PZR HTR GROUND AUX RLY (PZR HTR BANK 2 GROUP C)	CLARK X5U5-3 PM 3XI	AB 809
POL/AH/U3	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 3MTC1	AB 809
POL/AM/U3	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 3MTC1	AB 809
POL/BH/U3	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 3MTC1	AB 809
POL/BM/U3	CCW WATER LEVEL LATCHING RLY	CUTLER-HAMMER D23MR222A 3MTC1	AB 809

Appendix D - O3

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
PRTC(ESCHAN1)/U3	PRESS TEST CIRCUIT MODULE (ES CHANNEL 1)	BAILEY CONTROLS 6623705A1 3ESFAS	AB 822
PRTC(ESCHAN2)/U3	PRESS TEST CIRCUIT MODULE (ES CHANNEL 2)	BAILEY CONTROLS 6623705A1 3ESFAS	AB 822
PRTC(ESCHAN3)/U3	PRESS TEST CIRCUIT MODULE (ES CHANNEL 3)	BAILEY CONTROLS 6623705A1 3ESFAS	AB 822
RE-1/U3	INTERPOSING AUX RLY FOR TX13B & TX23B	CUTLER-HAMMER D23MRD30A1 3UB2	AB 822
RE-2/U3	INTERPOSING AUX RLY FOR TX13A & TX23A	CUTLER-HAMMER D23MRD30A1 3UB1	AB 822
RO(3BS-1)(BS-V1A)(3ES-7)	RO RLY (3BS-1)	BAILEY CONTROLS 6623990 3ESFAS	AB 822
RO(3BS-2)(BS-V1B)(3ES-8)	RO RLY (3BS-2)	BAILEY CONTROLS 6623990 3ESFAS	AB 822
RO(RBCU-3A)(3ES-5)	RO RLY (RBCU 3A)	BAILEY CONTROLS 6623990 3ESFAS	AB 822
RO(RBCU-3C)(3ES-6)	RO RLY (RBCU 3C)	BAILEY CONTROLS 6623990 3ESFAS	AB 822
RTC-B/U3	REACTOR TRIP CONFIRMED AUX RELAY	CUTLER-HAMMER D23MRD074T1-24V 3CRDACBKRCAB	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
RV3X/U3	3RC-66 CONTROL RLY	CUTLER-HAMMER D23MRD30A1 3MTC3	AB 809
RX/AAU3	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 3SGLC	AB 809
RX/ABU3	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 3SGLC	AB 809
RX/BAU3	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 3SGLC	AB 809
RX/BBU3	STEAM GEN LEVEL AUX RLY	STRUTHERS-DUNN 219BBXP 3SGLC	AB 809
RXA/U3	3FDW-315 CONTROL RLY	CUTLER-HAMMER D26MRD22A1 3UB1	AB 822
RXB/U3	3FDW-316 CONTROL RLY	CUTLER-HAMMER D26MRD22A1 3UB1	AB 822
RXE1(3B1T-03)	U3 STUP BKR E1 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) 3B1T	BH 796
RXE2(3B1T-03)	U3 STUP BKR E2 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) 3B1T	BH 796
RYE1(3B2T-02)	U3 STUP BKR E1 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) 3B2T	BH 796

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
RYE2(3B2T-02)	U3 STUP BKR E2 BLOCKING RLY	WESTINGHOUSE AR (606B029A13) 3B2T	BH 796
S-334/3ET	CCW EM TRIP RLY	GENERAL-ELECTRIC HEA61C246 3AB3A	AB 822
TDR1A(3B1T-03)	U3 STUP BKR E13 TIME DELAY RLY A	AGASTAT 2412 PB 3B1T	BH 796
TDR1A(3B2T-02)	U3 STUP BKR E23 TIME DELAY RLY A	AGASTAT 2412 PB 3B2T	BH 796
TX13A	AUX RLY FOR T13A	CUTLER-HAMMER D23MRD074A1 3MFBMRP	AB 809
TX13B	AUX RLY FOR T13B	CUTLER-HAMMER D23MRD074A1 3MFBMRP	AB 809
TX23A	AUX RLY FOR T23A	CUTLER-HAMMER D23MRD074A1 3MFBMRP	AB 809
TX23B	AUX RLY FOR T23B	CUTLER-HAMMER D23MRD074A1 3MFBMRP	AB 809
XK-98/U3(XKT-802/U3)	EHC SYSTEM MECHANICAL TRIP RELAY	GENERAL-ELECTRIC CR120 3EHC1	AB 809
XK-99/U3(XKT-801/U3)	EHC SYSTEM MASTER TRIP RELAY	GENERAL-ELECTRIC CR120 3EHC1	AB 809

Appendix D - 03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE LIST
 UNIT 3

Sorted by: Component ID

Component ID	Name	Manufacturer Model No. Location	Building Floor Elevation
XOD1-04C/3CCW-26/MS	208V MCC XOD1-04C STARTER (3CCW-26)	CLARK BUL 6240 CY-1 XOD1	YD 796
XOD1-04D/3CCW-28/MS	208V MCC XOD1-04D STARTER (3CCW-28)	CLARK BUL 6240 CY-1 XOD1	YD 796

Appendix E

RELAYS SCREENED USING GIP SWITCHGEAR RELAY METHODOLOGY

Contact devices which were screened using GIP switchgear relay methodology are listed in Appendix E.

Appendix E-O1

Oconee Nuclear Station Relays Screened Using GIP Switchgear Relay Methodology Unit 1 + Shared Equipment

Sorted by: Relay ID

Page 1 of 2

Relay ID	Name
25SK1(B1T-05)	U0 STBY BUS 1 FDR (SK1) SYNC RLY
25SK2(B2T-09)	U0 STBY BUS 2 FDR (SK2) SYNC RLY
27(1TC-05)	CCW PUMP 1A UV RLY
27(1TC-06)	CCW PUMP 1D UV RLY
27(1TC-08)	HOTWELL PUMP 1A UV RLY
27(1TC-13)	XFMR 1X01 UV RLY
27(1TD-04)	CCW PUMP 1B UV RLY
27(1TD-06)	HOTWELL PUMP 1B UV RLY
27(1TD-13)	XFMR 1X02 UV RLY
27(1TE-03)	XFMR 1X04 UV RLY
27(1TE-04)	CCW PUMP 1C UV RLY
27(1TE-06)	HOTWELL PUMP 1C UV RLY
50-51X(1TC-02)	XFMR 1X07 OC RLY (X PHASE)
50-51X(1TC-03)	XFMR 1X08 OC RLY (X PHASE)
50-51X(1TC-04)	KEOWEE STBY XFMR CX OC RLY (X PHASE)
50-51X(1TC-05)	CCW PUMP 1A FDR OC (X PHASE)
50-51X(1TC-06)	CCW PUMP 1D FDR OC (X PHASE)
50-51X(1TC-09)	HPI PUMP 1A OC RLY (X PHASE)
50-51X(1TC-10)	1LPI PUMP A OC RLY (X PHASE)
50-51X(1TC-12)	LPSW PUMP A OC RLY (X PHASE)
50-51X(1TC-13)	XFMR 1X01 OC RLY (X PHASE)
50-51X(1TD-02)	XFMR 1X05 OC RLY (X PHASE)
50-51X(1TD-03)	XFMR 1X09 OC RLY (X PHASE)
50-51X(1TD-04)	CCW PUMP 1B OC RLY (X PHASE)
50-51X(1TD-09)	HPI PUMP 1C OC RLY (X PHASE)
50-51X(1TD-10)	1LPI PUMP B OC RLY (X PHASE)
50-51X(1TD-13)	XFMR 1X02 OC RLY (X PHASE)
50-51X(1TD-15)	LPSW PUMP B OC RLY (X PHASE)
50-51X(1TE-02)	XFMR 1X06 OC RLY (X PHASE)
50-51X(1TE-03)	XFMR 1X04 OC RLY (X PHASE)
50-51X(1TE-04)	CCW PUMP 1C OC RLY (X PHASE)
50-51X(1TE-09)	HPI PUMP 1B OC RLY (X PHASE)

Appendix E-01

Oconee Nuclear Station
 Relays Screened Using GIP Switchgear Relay Methodology
 Unit 1 + Shared Equipment

Sorted by: Relay ID

Page 2 of 2

Relay ID	Name
50-51X(1TE-12)	XFMR 1X10 OC RLY (X PHASE)
50-51X(2TC-11)	LPSW PUMP C OC RLY (X PHASE)
50-51X(2TD-12)	LPSW PUMP B OC RLY (X PHASE)
50-51Z(1TC-02)	XFMR 1X07 OC RLY (Z PHASE)
50-51Z(1TC-03)	XFMR 1X08 OC RLY (Z PHASE)
50-51Z(1TC-04)	KEOWEE STBY XFMR CX OC RLY (Z PHASE)
50-51Z(1TC-05)	CCW PUMP 1A OC RLY (Z PHASE)
50-51Z(1TC-06)	CCW PUMP 1D OC RLY (Z PHASE)
50-51Z(1TC-09)	HPI PUMP 1A OC RLY (Z PHASE)
50-51Z(1TC-10)	1LPI PUMP A OC RLY (Z PHASE)
50-51Z(1TC-12)	LPSW PUMP A OC RLY (Z PHASE)
50-51Z(1TC-13)	XFMR 1X01 OC RLY (Z PHASE)
50-51Z(1TD-02)	XFMR 1X05 OC RLY (Z PHASE)
50-51Z(1TD-03)	XFMR 1X09 OC RLY (Z PHASE)
50-51Z(1TD-04)	CCW PUMP 1B OC RLY (Z PHASE)
50-51Z(1TD-09)	HPI PUMP 1C OC RLY (Z PHASE)
50-51Z(1TD-10)	1LPI PUMP B OC RLY (Z PHASE)
50-51Z(1TD-13)	XFMR 1X02 OC RLY (Z PHASE)
50-51Z(1TD-15)	LPSW PUMP B OC RLY (Z PHASE)
50-51Z(1TE-02)	XFMR 1X06 OC RLY (Z PHASE)
50-51Z(1TE-03)	XFMR 1X04 OC RLY (Z PHASE)
50-51Z(1TE-04)	CCW PUMP 1C OC RLY (Z PHASE)
50-51Z(1TE-09)	HPI PUMP 1B OC RLY (Z PHASE)
50-51Z(1TE-12)	XFMR 1X10 OC RLY (Z PHASE)
50-51Z(2TC-11)	LPSW PUMP C OC RLY (Z PHASE)
50-51Z(2TD-12)	LPSW PUMP B OC RLY (Z PHASE)
RXE1(B1T-02)	U1 STUP BKR E1 BLOCKING RLY
RXE2(B1T-02)	U1 STUP BKR E2 BLOCKING RLY
RYE1(B2T-12)	U1 STUP BKR E1 BLOCKING RLY
RYE2(B2T-12)	U1 STUP BKR E2 BLOCKING RLY

Appendix E-O2

Oconee Nuclear Station
Relays Screened Using GIP Switchgear Relay Methodology
Unit 2

Sorted by: Relay ID

Page 1 of 2

Relay ID	Name
27(2TC-02)	XFMR 2X01 UV RLY
27(2TC-04)	CCW PUMP 2A UV RLY
27(2TC-05)	CCW PUMP 2D UV RLY
27(2TC-07)	HOTWELL PUMP 2A UV RLY
27(2TD-02)	XFMR 2X02 UV RLY
27(2TD-04)	CCW PUMP 2B UV RLY
27(2TD-06)	HOTWELL PUMP 2B UV RLY
27(2TE-02)	XFMR 2X03 UV RLY
27(2TE-04)	CCW PUMP 2C UV RLY
27(2TE-06)	HOTWELL PUMP 2C UV RLY
50-51X(2TC-02)	XFMR 2X1 OC RLY (X PHASE)
50-51X(2TC-03)	600V XFMR 2X4 OVER CURRENT RELAY
50-51X(2TC-04)	CCW PUMP 2A OC RLY (X PHASE)
50-51X(2TC-05)	CCW PUMP 2D OC RLY (X PHASE)
50-51X(2TC-08)	HPI PUMP 2A OC RLY (X PHASE)
50-51X(2TC-09)	2LPI PUMP A OC RLY (X PHASE)
50-51X(2TC-13)	XFMR 2X08 OC RLY (X PHASE)
50-51X(2TD-02)	XFMR 2X02 OC RLY (X PHASE)
50-51X(2TD-03)	XFMR 2X05 OC RLY (X PHASE)
50-51X(2TD-04)	CCW PUMP 2B OC RLY (X PHASE)
50-51X(2TD-09)	HPI PUMP 2C OC RLY (X PHASE)
50-51X(2TD-10)	2LPI PUMP B OC RLY (X PHASE)
50-51X(2TD-13)	XFMR 2X09 OC RLY (X PHASE)
50-51X(2TE-02)	XFMR 2X03 OC RLY (X PHASE)
50-51X(2TE-03)	XFMR 2X06 OC RLY (X PHASE)
50-51X(2TE-04)	CCW PUMP 2C OC RLY (X PHASE)
50-51X(2TE-09)	HPI PUMP 2B OC RLY (X PHASE)
50-51X(2TE-12)	XFMR 2X10 OC RLY (X PHASE)
50-51Z(2TC-02)	XFMR 2X01 OC RLY (Z PHASE)
50-51Z(2TC-03)	600V XFMR 2X4 OVER CURRENT RELAY
50-51Z(2TC-04)	CCW PUMP 2A OC RLY (Z PHASE)
50-51Z(2TC-05)	CCW PUMP 2D OC RLY (Z PHASE)

Appendix E-02

Oconee Nuclear Station
Relays Screened Using GIP Switchgear Relay Methodology
Unit 2

Sorted by: Relay ID

Page 2 of 2

Relay ID	Name
50-51Z(2TC-08)	HPI PUMP 2A OC RLY (Z PHASE)
50-51Z(2TC-09)	2LPI PUMP A OC RLY (Z PHASE)
50-51Z(2TC-13)	XFMR 2X08 OC RLY (Z PHASE)
50-51Z(2TD-02)	XFMR 2X02 OC RLY (Z PHASE)
50-51Z(2TD-03)	XFMR 2X05 OC RLY (Z PHASE)
50-51Z(2TD-04)	CCW PUMP 2B OC RLY (Z PHASE)
50-51Z(2TD-09)	HPI PUMP 2C OC RLY (Z PHASE)
50-51Z(2TD-10)	2LPI PUMP B OC RLY (Z PHASE)
50-51Z(2TD-13)	XFMR 2X09 OC RLY (Z PHASE)
50-51Z(2TE-02)	XFMR 2X03 OC RLY (Z PHASE)
50-51Z(2TE-03)	XFMR 2X06 OC RLY (Z PHASE)
50-51Z(2TE-04)	CCW PUMP 2C OC RLY (Z PHASE)
50-51Z(2TE-09)	HPI PUMP 2B OC RLY (Z PHASE)
50-51Z(2TE-12)	XFMR 2X10 OC RLY (Z PHASE)
RXE1(B1T-12)	U2 STUP BKR E1 BLOCKING RLY
RXE2(B1T-12)	U2 STUP BKR E2 BLOCKING RLY
RYE1(B2T-02)	U2 STUP BKR E1 BLOCKING RLY
RYE2(B2T-02)	U2 STUP BKR E2 BLOCKING RLY

Appendix E-O3

Oconee Nuclear Station
Relays Screened Using GIP Switchgear Relay Methodology
Unit 3

Sorted by: Relay ID

Page 1 of 2

Relay ID	Name
27(3TC-02)	XFMR 3X01 UV RLY
27(3TC-04)	CCW PUMP 3A UV RLY
27(3TC-05)	CCW PUMP 3D UV RLY
27(3TC-07)	HOTWELL PUMP 3A UV RLY
27(3TD-02)	XFMR 3X02 UV RLY
27(3TD-04)	CCW PUMP 3B UV RLY
27(3TD-06)	HOTWELL PUMP 3B UV RLY
27(3TE-02)	XFMR 3X03 UV RLY
27(3TE-04)	CCW PUMP 3C UV RLY
27(3TE-06)	HOTWELL PUMP 3C UV RLY
50-51X(3TC-02)	XFMR 3X01 OC RLY (X PHASE)
50-51X(3TC-03)	XFMR 3X04 OC RLY (X PHASE)
50-51X(3TC-04)	CCW PUMP 3A OC RLY (X PHASE)
50-51X(3TC-05)	CCW PUMP 3D OC RLY (X PHASE)
50-51X(3TC-08)	HPI PUMP 3A OC RLY (X PHASE)
50-51X(3TC-09)	3LPI PUMP A OC RLY (X PHASE)
50-51X(3TC-11)	LPSW PUMP 3A OC RLY (X PHASE)
50-51X(3TC-13)	XFMR 3X08 OC RLY (X PHASE)
50-51X(3TD-02)	XFMR 3X02 OC RLY (X PHASE)
50-51X(3TD-03)	XFMR 3X05 OC RLY (X PHASE)
50-51X(3TD-04)	CCW PUMP 3B OC RLY (X PHASE)
50-51X(3TD-09)	HPI PUMP 3C OC RLY (X PHASE)
50-51X(3TD-10)	3LPI PUMP B OC RLY (X PHASE)
50-51X(3TD-12)	LPSW PUMP 3B OC RLY (X PHASE)
50-51X(3TD-13)	XFMR 3X09 OC RLY (X PHASE)
50-51X(3TE-02)	XFMR 3X03 OC RLY (X PHASE)
50-51X(3TE-03)	XFMR 3X06 OC RLY (X PHASE)
50-51X(3TE-04)	CCW PUMP 3C OC RLY (X PHASE)
50-51X(3TE-09)	HPI PUMP 3B OC RLY (X PHASE)
50-51X(3TE-12)	XFMR 3X10 OC RLY (X PHASE)
50-51Z(3TC-02)	XFMR 3X01 OC RLY (Z PHASE)
50-51Z(3TC-03)	XFMR 3X04 OC RLY (Z PHASE)

Appendix E-03

Oconee Nuclear Station
Relays Screened Using GIP Switchgear Relay Methodology
Unit 3

Sorted by: Relay ID

Page 2 of 2

Relay ID	Name
50-51Z(3TC-04)	CCW PUMP 3A OC RLY (Z PHASE)
50-51Z(3TC-05)	CCW PUMP 3D OC RLY (Z PHASE)
50-51Z(3TC-08)	HPI PUMP 3A OC RLY (Z PHASE)
50-51Z(3TC-09)	3LPI PUMP A OC RLY (Z PHASE)
50-51Z(3TC-11)	LPSW PUMP 3A OC RLY (Z PHASE)
50-51Z(3TC-13)	XFMR 3X08 OC RLY (Z PHASE)
50-51Z(3TD-02)	XFMR 3X02 OC RLY (Z PHASE)
50-51Z(3TD-03)	XFMR 3X05 OC RLY (Z PHASE)
50-51Z(3TD-04)	CCW PUMP 3B OC RLY (Z PHASE)
50-51Z(3TD-09)	HPI PUMP 3C OC RLY (Z PHASE)
50-51Z(3TD-10)	3LPI PUMP B OC RLY (Z PHASE)
50-51Z(3TD-12)	LPSW PUMP 3B OC RLY (Z PHASE)
50-51Z(3TD-13)	XFMR 3X09 OC RLY (Z PHASE)
50-51Z(3TE-02)	XFMR 3X03 OC RLY (Z PHASE)
50-51Z(3TE-03)	XFMR 3X06 OC RLY (Z PHASE)
50-51Z(3TE-04)	CCW PUMP 3C OC RLY (Z PHASE)
50-51Z(3TE-09)	HPI PUMP 3B OC RLY (Z PHASE)
50-51Z(3TE-12)	XFMR 3X10 OC RLY (Z PHASE)
RXE1(3B1T-03)	U3 STUP BKR E1 BLOCKING RLY
RXE2(3B1T-03)	U3 STUP BKR E2 BLOCKING RLY
RYE1(3B2T-02)	U3 STUP BKR E1 BLOCKING RLY
RYE2(3B2T-02)	U3 STUP BKR E2 BLOCKING RLY

Appendix F

ESSENTIAL CONTACT DEVICE ENCLOSURES

Enclosures which enclose essential contact devices are tabulated in Appendix F.

Appendix F-01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Equip ID

Page 1 of 4

Equipment ID	Name
1&2POWDEXPANEL	1&2 POWDEX PANEL
1AB3	CONTROL BOARD 1AB3
1AT3	AREA TERM CAB 1AT3
1ATBOXEH	FWP 1A TERMINAL BOX EH
1BSPS0018	RB PRESS SWITCH (ES CH 1A)
1BSPS0019	RB PRESS SWITCH (ES CH 1A)
1BSPS0020	RB PRESS SWITCH (ES CH 1B)
1BSPS0021	RB PRESS SWITCH (ES CH 1B)
1BSPS0022	RB PRESS SWITCH (ES CH 1C)
1BSPS0023	RB PRESS SWITCH (ES CH 1C)
1BTBOXEH	FWP 1B TERMINAL BOX EH
1CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)
1CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)
1CRDACBKRCAB	CRD SYSTEM AC BKR CAB
1DP	125/250V DC 1DP
1EB1	ELECTRICAL BOARD 1EB1
1EB2	ELECTRICAL BOARD 1EB2
1EHC1	EHC CAB 1EHC1
1EPSLP1	EPSL PANEL 1EPSLP1
1EPSLP2	EPSL PANEL 1EPSLP2
1ESFAS	ESFAS CABINETS
1ESTC1	ESFAS ODD CH TERM CAB 1ESTC1
1ESTC2	ESFAS EVEN CH TERM CAB 1ESTC2
1ESTC2A	ESFAS AUX RLY CAB 1ESTC2A
1FDWPS0251	FDW PUMP 1A DISCH PRESS LOW
1FDWPS0253	FDW PUMP 1B DISCH PRESS LOW
1FDWPS0386	MDEFWP 1A DISCH PRESS LOW
1FDWPS0387	MDEFWP 1A DISCH PRESS LOW

Appendix F-01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Equip ID

Page 2 of 4

Equipment ID	Name
1FDWPS0388	FWPT 1B DISCH PRESS LOW
1FDWPS0389	FWPT 1B DISCH PRESS LOW
1ICS	INTEGRATED CONTROL SYSTEM CABINETS
1KESP	KEOWEE EM START PANEL
1MFBMRP	MAIN FDR BUS MONITOR RLY PANEL
1MTC1	MISC TERM CAB 1MTC1
1MTC2	MISC TERM CAB 1MTC2
1MTC3	MISC TERM CAB 1MTC3
1MTC4	MISC TERM CAB 1MTC4
1MVC2	250V DC MCC 1MVC2
1MVC3	250V DC MCC 1MVC3
1PASCP	POST ACCIDENT SAMPLE CONT PANEL (IRC-179)
1RSC-1CCW-287/ENCL	REMOTE STARTER ENCLOSURE FOR 1CCW-287
1RSC-1FDW-368/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-368
1RSC-1FDW-369/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-369
1RSC-1FDW-372/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-372
1RSC-1FDW-374/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-374
1RSC-1FDW-382/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-382
1RSC-1FDW-384/ENCL	REMOTE STARTER ENCLOSURE FOR 1FDW-384
1RSC-1HP-409/ENCL	REMOTE STARTER ENCLOSURE FOR 1HP-409
1RSC-1HP-410/ENCL	REMOTE STARTER ENCLOSURE FOR 1HP-410
1RSC-1LPSW-565/ENCL	REMOTE STARTER ENCLOSURE FOR 1LPSW-565
1RSC-1LPSW-566/ENCL	REMOTE STARTER ENCLOSURE FOR 1LPSW-566
1RSC-1PR-59/ENCL	REMOTE STARTER ENCLOSURE FOR 1PR-59
1RSC-1PR-60/ENCL	REMOTE STARTER ENCLOSURE FOR 1PR-60
1SGLC	STEAM GEN LOGIC CABINET
1TC	4KV SWGR 1TC
1TCPA	TURB CONT PANEL 1TCPA

Appendix F-01

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 1 + SHARED EQUIPMENT

Sorted by: Equip ID

Page 3 of 4

Equipment ID	Name
1TD	4KV SWGR 1TD
1TE	4KV SWGR 1TE
1UB1	CONTROL BOARD 1UB1
1UB2	CONTROL BOARD 1UB2
1XA	MCC 1XA
1XA-A	208V MCC 1XA-A
1XB	600V MCC 1XB
1XC	MCC 1XC
1XGA	1XGA
1XGB	MCC 1XGB
1XI(600V)	600V MCC 1XI
1XJ(600V)	600V MCC 1XJ
1XK	600V MCC 1XK
1XL	MCC 1XL
1XN	MCC 1XN
1XO	MCC 1XO
1XP	MCC 1XO
1XS1	MCC 1XS1
1XS2	MCC 1XS2
1XS3	MCC 1XS3
1XSF(208V)	MCC 1XSF(208V)
1XSF(600V)	MCC 1XSF(600V)
1XSF-1(208V)	MCC 1XSF-1 (208V)
B1T	4KV SWGR B1T
B2T	4KV SWGR B2T
PHC/SSF	PZR HEATER CAB (SSF)
SSF/IC1	SSF EOC SYS INTERCONN CAB IC1
XOD1(208V)	208V MCC XOD1

Appendix F-01

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE ENCLOSURES
UNIT 1 + SHARED EQUIPMENT

Sorted by: Equip ID

Equipment ID	Name
XOD2A(208V)	208V MCC XOD2A
XSF(600V)	MCC XSF(600V)

Appendix F-02

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 2

Sorted by: Equip ID

Page 1 of 3

Equipment ID	Name
2AB3	CONTROL BOARD 2AB3
2AT3	AREA TERM CAB 2AT3
2ATBOXEH	FWP 2A TERMINAL BOX EH
2BSPS0018	RB PRESS SWITCH (ES CH 2A)
2BSPS0019	RB PRESS SWITCH (ES CH 2A)
2BSPS0020	RB PRESS SWITCH (ES CH 2B)
2BSPS0021	RB PRESS SWITCH (ES CH 2B)
2BSPS0022	RB PRESS SWITCH (ES CH 2C)
2BSPS0023	RB PRESS SWITCH (ES CH 2C)
2BTBOXEH	FWP 2B TERMINAL BOX EH
2CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)
2CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)
2CRDACBKRCAB	CRD SYSTEM AC BKR CAB
2EB1	ELECTRICAL BOARD 2EB1
2EB2	ELECTRICAL BOARD 2EB2
2EHC1	EHC CAB 2EHC1
2EPSLP1	EPSL PANEL 2EPSLP1
2EPSLP2	EPSL PANEL 2EPSLP2
2ESFAS	UNIT 2 ESFAS CABINETS
2ESTC1	ESFAS ODD CH TERM CAB 2ESTC1
2ESTC2	ESFAS EVEN CH TERM CAB 2ESTC2
2ESTC2A	ESFAS AUX RLY CAB 2ESTC2A
2FDWPS0386	MDEFWP 2A DISCH PRESS SWITCH
2FDWPS0387	MDEFWP 2A DISCH PRESS SWITCH
2FDWPS0388	FWPT 2B DISCH PRESS LOW
2FDWPS0389	FWPT 2B DISCH PRESS LOW
2ICS	INTEGRATED CONTROL SYSTEM CABINETS
2KESP	KEOWEE EM START PANEL

Appendix F-02

OCONEE NUCLEAR STATION
ESSENTIAL CONTACT DEVICE ENCLOSURES
UNIT 2

Sorted by: Equip ID

Page 2 of 3

Equipment ID	Name
2MC-1	INSTRUMENT RACK 2MC-1
2MC-2	INSTRUMENT RACK 2MC-2
2MFBMRP	MAIN FDR BUS MONITOR RLY PANEL
2MTC1	MISC TERM CAB 2MTC1
2MTC2	MISC TERM CAB 2MTC2
2MTC3	MISC TERM CAB 2MTC3
2MTC4	MISC TERM CAB 2MTC4
2PASCP	POST ACCIDENT SAMPLE CONT PANEL (2RC-179)
2RSC-2CCW-287/ENCL	REMOTE STARTER ENCLOSURE FOR 2CCW-287
2RSC-2FDW-368/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-368
2RSC-2FDW-369/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-369
2RSC-2FDW-372/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-372
2RSC-2FDW-374/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-374
2RSC-2FDW-382/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-382
2RSC-2FDW-384/ENCL	REMOTE STARTER ENCLOSURE FOR 2FDW-384
2RSC-2HP-409/ENCL	REMOTE STARTER ENCLOSURE FOR 2HP-409
2RSC-2HP-410/ENCL	REMOTE STARTER ENCLOSURE FOR 2HP-410
2RSC-2LPSW-565/ENCL	REMOTE STARTER ENCLOSURE FOR 2LPSW-565
2RSC-2LPSW-566/ENCL	REMOTE STARTER ENCLOSURE FOR 2LPSW-566
2RSC-2PR-59/ENCL	REMOTE STARTER ENCLOSURE FOR 2PR-59
2RSC-2PR-60/ENCL	REMOTE STARTER ENCLOSURE FOR 2PR-60
2SGLC	STEAM GEN LOGIC CABINET
2TB-1001	TERMINAL BOX TB-1001
2TC	4KV SWGR 2TC
2TCPA	TURB CONT PANEL 2TCPA
2TD	4KV SWGR 2TD
2TE	4KV SWGR 2TE
2UB1	CONTROL BOARD 2UB1

Appendix F-O2

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 2

Sorted by: Equip ID

Page 3 of 3

Equipment ID	Name
2UB2	CONTROL BOARD 2UB2
2XA	MCC 2XA
2XA-A	208V MCC 2XA-A
2XC	MCC 2XC
2XGA	2XGA
2XGB	MCC 2XGB
2XI(600V)	600V MCC 2XI
2XJ(600V)	600V MCC 2XJ
2XL	MCC 2XL
2XN	MCC 2XN
2XO	MCC 2XO
2XP	MCC 2XP
2XS1	MCC 2XS1
2XS2	MCC 2XS2
2XS3	MCC 2XS3
2XSF(208V)	MCC 2XSF(208V)
2XSF(600V)	MCC 2XSF(600V)
2XSF-1(208V)	MCC 2XSF-1 (208V)
XOD2B	208V MCC XOD2B

Appendix F-03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 3

Sorted by: Equip ID

Page 1 of 3

Equipment ID	Name
3AB3A	CONTROL BOARD 3AB3A
3AT4	AREA TERM CAB 3AT4
3ATBOXEH	FWP 3A TERMINAL BOX EH
3B1T	4KV SWGR 3B1T
3B2T	4KV SWGR 3B2T
3BSPS0018	RB PRESS SWITCH (ES CH 3A)
3BSPS0019	RB PRESS SWITCH (ES CH 3A)
3BSPS0020	RB PRESS SWITCH (ES CH 3B)
3BSPS0021	RB PRESS SWITCH (ES CH 3B)
3BSPS0022	RB PRESS SWITCH (ES CH 3C)
3BSPS0023	RB PRESS SWITCH (ES CH 3C)
3BTBOXEH	FWP 3B TERMINAL BOX EH
3CPS0015	UST MAKEUP LEVEL CONTROL (PS-15)
3CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)
3CRDACBKRCAB	CRD SYSTEM AC BKR CAB
3EB1	ELECTRICAL BOARD 3EB1
3EB2	ELECTRICAL BOARD 3EB2
3EHC1	EHC CAB 3EHC1
3EPSLP1	EPSL PANEL 3EPSLP1
3EPSLP2	EPSL PANEL 3EPSLP2
3ESFAS	UNIT 3 ESFAS CABINETS
3ESTC1	ESFAS ODD CH TERM CAB 3ESTC1
3ESTC2	ESFAS EVEN CH TERM CAB 3ESTC2
3ESTC2A	ESFAS AUX RLY CAB 3ESTC2A
3FDWPS0386	MDEFWP 3A DISCH PRESS SWITCH (3TD-00)
3FDWPS0387	MDEFWP 3A DISCH PRESS SWITCH (3TE-00)
3FDWPS0388	FWPT 3B DISCH PRESS LOW
3FDWPS0389	FWPT 3B DISCH PRESS LOW

Appendix F-03

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 3

Sorted by: Equip ID

Page 2 of 3

Equipment ID	Name
3ICS	INTEGRATED CONTROL SYSTEM CABINETS
3KESP	KEOWEE EM START PANEL
3MC-32	INSTRUMENT RACK 3MC-32
3MC-33	INSTRUMENT RACK 3MC-33
3MFBMRP	MAIN FDR BUS MONITOR RLY PANEL
3MTC1	MISC TERM CAB 3MTC1
3MTC2	MISC TERM CAB 3MTC2
3MTC3	MISC TERM CAB 3MTC3
3MTC4	MISC TERM CAB 3MTC4
3POWDEXPANEL	3 POWDEX PANEL
3RSC-3CCW-287/ENCL	REMOTE STARTER ENCLOSURE FOR 3CCW-287
3RSC-3FDW-368/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-368
3RSC-3FDW-369/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-369
3RSC-3FDW-372/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-372
3RSC-3FDW-374/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-374
3RSC-3FDW-382/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-382
3RSC-3FDW-384/ENCL	REMOTE STARTER ENCLOSURE FOR 3FDW-384
3RSC-3HP-409/ENCL	REMOTE STARTER ENCLOSURE FOR 3HP-409
3RSC-3HP-410/ENCL	REMOTE STARTER ENCLOSURE FOR 3HP-410
3RSC-3LP-126/ENCL	REMOTE STARTER ENCLOSURE FOR 3LP-126
3RSC-3LPSW-565/ENCL	REMOTE STARTER ENCLOSURE FOR 3LPSW-565
3RSC-3LPSW-566/ENCL	REMOTE STARTER ENCLOSURE FOR 3LPSW-566
3RSC-3PR-59/ENCL	REMOTE STARTER ENCLOSURE FOR 3PR-59
3RSC-3PR-60/ENCL	REMOTE STARTER ENCLOSURE FOR 3PR-60
3SGLC	STEAM GEN LOGIC CABINET
3TC	4KV SWGR 3TC
3TCPA	TURB CONT PANEL 3TCPA
3TD	4KV SWGR 3TD

Appendix F-O3

OCONEE NUCLEAR STATION
 ESSENTIAL CONTACT DEVICE ENCLOSURES
 UNIT 3

Sorted by: Equip ID

Page 3 of 3

Equipment ID	Name
3TE	4KV SWGR 3TE
3UB1	CONTROL BOARD 3UB1
3UB2	CONTROL BOARD 3UB2
3XA	MCC 3XA
3XA-A	208V MCC 3XA-A
3XC	MCC 3XC
3XGA	MCC 3XGA
3XGB	MCC 3XGB
3XI(600V)	600V MCC 3XI
3XJ(600V)	600V MCC 3XJ
3XL	MCC 3XL
3XN	MCC 3XN
3XO	MCC 3XO
3XP	MCC 3XP
3XS1	MCC 3XS1
3XS2	MCC 3XS2
3XS3	MCC 3XS3
3XSF(208V)	MCC 3XSF(208V)
3XSF(600V)	MCC 3XSF(600V)
3XSF-1(208V)	MCC 3XSF-1 (208V)

Appendix G

RÉSUMÉ OF LEAD RELAY REVIEWER

I. Farrell Moss, P. E.

107 Halifax Road
Easley, SC 29642-1933
(864) 885-4412 (W) (864) 859-0206 (H)

Education

1965 to 1969

North Carolina State University
Raleigh, North Carolina

BSEE

Professional Experience

Duke Power Company
422 South Church Street, Charlotte, North Carolina

March, 1989 to
Present

Senior Engineer - Responsible for relay review and electrical systems and equipment coordination of USI A-46 (SQUG) project per Generic Implementation Procedure (GIP), revision 2A. Activities include generation of electrical Safe Shutdown Equipment List (SSEL) and overall control and maintenance of A-46/IPEEE databases (including mechanical entries) for Keowee Hydro Station (Units 1 and 2), Oconee 230 KV Overhead Power Path and Oconee Nuclear Station (Units 1, 2 and 3). Subsequent and on-going activities are A-46/IPEEE relay review including relay screening based on capacity vs. demand, circuit analysis to determine chatter acceptability, etc.

January, 1986 to
February, 1989

Senior Engineer - Responsible for designing electrical modifications on various systems at Oconee Nuclear Station. Also wrote Design Basis Documents (DBD's) for several major electrical control and protection systems (Reactor Protection, Engineered Safeguards and Control Rod Drive Systems)

April, 1983 to
December, 1985

Equipment Procurement Engineer - Responsible for the procurement of electrical and electronic instrumentation, monitoring and protection equipment for nuclear, fossil and hydro generating stations. Responsibility included supervision of engineers and clerical personnel.

September, 1975 to
March, 1983

Supervisor for engineers and technicians responsible for the electrical discipline design for electronic instrumentation, control and protections systems for Catawba Nuclear Station. Primary, Secondary and HVAC systems were included.

January, 1971 to
August, 1975

Engineer responsible for the design of various electronic monitoring and control systems at nuclear, fossil and hydro stations on the Duke Power System.

Radiation Incorporated
Palm Bay, Florida

June, 1969 to
November, 1970

Engineer - Responsible for analog circuit design of avionic test equipment for defense aircraft. Activities involved design, manufacturing support as well as pre-shipment burn-in testing.

OCONEE NUCLEAR STATION

USI A-46 RELAY EVALUATION REPORT

Volume 1 of 3



A Duke Energy Company

December 1997

9702190175

12/15/97