



Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

August 6, 2003

L-2003-189  
10 CFR 50.55a

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

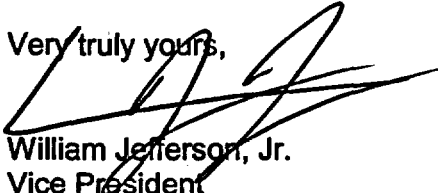
RE: St. Lucie Unit 2  
Docket No. 50-389  
Third 10-Year Inservice Inspection Interval  
Inservice Inspection Program – Revision 0

The third 10-year inservice inspection (ISI) interval for St. Lucie Unit 2 begins on August 8, 2003, and ends on August 7, 2013. Pursuant to 10 CFR 50.55.a(g)(4)(ii) and IWA-1400(c), the enclosed program outlines the ISI program and plan and schedule for St. Lucie Unit 2 and is based on the requirements of Section XI of the ASME Boiler and Pressure Vessel Code, 1998 Edition with Addenda through 2000.

Enclosed is one copy of the Third Interval ISI Program (Document No. ISI-PSL-2-Program, Revision 0) and one copy of the Unit 2 ISI plan and schedule (Document No. ISI-PSL-2-Plan, Revision 0).

Please contact George Madden at 772-467-7155 if there are any questions about this submittal.

Very truly yours,



William Jefferson, Jr.  
Vice President  
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WJ/GRM

Enclosures

A047

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St. Lucie Nuclear Power Plant Unit 2

Third Inservice Inspection Interval

Program

for

St. Lucie Nuclear Power Plant  
6501 South Highway A1A  
Jensen Beach, Florida 34957

Commercial Service Date: August 8, 1983

NRC Docket Number: 50-389

Document Number: ISI-PSL-2-Program Rev. 0

Date: August 8, 2003

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Record of Revision

Rev No.	Date	Affected Pages	Reason for Revision
0	August 8, 2003	Entire Document	Original Issue of Third Ten Year Inspection Interval Program as required by 10 CFR 50.55a(g)(4)

List of Effective Pages

Section	Pages	Date
Program Text	1-52	August 8, 2003
Appendix A	1 Page	August 8, 2003
Appendix B	44 Pages	August 8, 2003

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**Abbreviations**

<b>ANII</b>	<b>Authorized Nuclear Inservice Inspector</b>
<b>ANSI</b>	<b>American Nuclear Standard Institute</b>
<b>ASME</b>	<b>American Society of Mechanical Engineers</b>
<b>BC</b>	<b>Branch Connection</b>
<b>CCW</b>	<b>Component Cooling Water</b>
<b>CEDM</b>	<b>Control Element Drive Mechanism</b>
<b>CFR</b>	<b>Code of Federal Regulations</b>
<b>CH</b>	<b>Charging System</b>
<b>CHR</b>	<b>Containment Heat Removal</b>
<b>CPS</b>	<b>Code Programs Section</b>
<b>CRS</b>	<b>Code Required Surface</b>
<b>CSI</b>	<b>Component Support and Inspections</b>
<b>CS</b>	<b>Containment Spray</b>
<b>CVCS</b>	<b>Chemical and Volume Control System</b>
<b>CW</b>	<b>Clockwise</b>
<b>ECCS</b>	<b>Emergency Core Cooling System</b>
<b>ECT</b>	<b>Eddy Current Testing</b>
<b>FPL</b>	<b>Florida Power &amp; Light Company</b>
<b>FPS</b>	<b>Fuel Pool System</b>
<b>FSAR</b>	<b>Final Safety Analysis Report</b>
<b>FW</b>	<b>Feedwater System</b>

**Abbreviations**

<b>HPSI</b>	<b>High Pressure Safety Injection</b>
<b>HS</b>	<b>High Stress</b>
<b>HX</b>	<b>Heat Exchanger</b>
<b>ID</b>	<b>Identification</b>
<b>IE</b>	<b>Inspection and Enforcement</b>
<b>ISI</b>	<b>Inservice Inspection</b>
<b>IST</b>	<b>Inservice Testing</b>
<b>JPN</b>	<b>Juno Nuclear Engineering</b>
<b>LER</b>	<b>License Event Report</b>
<b>LPSI</b>	<b>Low Pressure Safety Injection</b>
<b>LS</b>	<b>Long Seam</b>
<b>MOV</b>	<b>Motor Operated Valve</b>
<b>MSIV</b>	<b>Main Steam Isolation Valve</b>
<b>MS</b>	<b>Main Steam System</b>
<b>MT</b>	<b>Magnetic Particle Testing</b>
<b>N/A</b>	<b>Not Applicable</b>
<b>NDE</b>	<b>Nondestructive Examination</b>
<b>NPS</b>	<b>Nominal Pipe Size</b>
<b>PDS</b>	<b>Program Boundary Drawings</b>
<b>P&amp;ID</b>	<b>Piping and Instrumentation Diagram</b>
<b>PSI</b>	<b>Preservice Inspection</b>
<b>PSL-2</b>	<b>St. Lucie Unit 2</b>

Abbreviations

PT	Liquid Penetrant Testing
QA	Quality Assurance
QC	Quality Control
QP	Quality Procedure
PZR	Pressurizer
RCS	Reactor Coolant System
RCP	Reactor Coolant Pump
RHR	Residual Heat Removal
RPV	Reactor Pressure Vessel
SD	Structural Discontinuity
SDC	Shutdown Cooling
SDCHx	Shutdown Cooling Heat Exchanger
SG	Steam Generator
SRP	Standard Review Plan
SIS	Safety Injection System
T	Thickness of Component, Pipe, etc.
TE	Terminal End
USNRC	United States Nuclear Regulatory Commission
UT	Ultrasonic Testing
VT	Visual Testing

### Abstract

This document describes the Class 1, 2, and 3 Inservice Inspection (ISI) Program Third 10-Year Inservice Inspection Interval for St. Lucie Nuclear Power Plant, Unit No. 2.

The program was developed and prepared to meet the requirements of the American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section XI, 1998 Edition with 2000 Addenda, and 10CFR50.55a for Class 1, 2, and 3 systems. This program is subject to the limitations and modifications of 10CFR50.55a(b)(2), except design and access provisions and preservice examination requirements. This program identifies those components and/or systems and their supports that are subject to examination and testing.

Where applicable, ASME Code Cases are incorporated. The code cases used are either approved through publication in 10CFR50.55a, NRC Regulatory Guide 1.147, or are included in a Relief Request.

Other alternatives to the Code requirements have been included as relief requests, or they reference specific NRC regulations. Areas where Code compliance is not possible are also included as relief requests, along with proposed alternatives.

This document implements a Risk Informed selection criterion for Examination Category B-F and B-J piping welds. This alternative to the requirements of Section XI was submitted to the NRC during the second 10-year interval as Relief Request #29 and approved by SE dated April 25, 2003 (TAC No. MB5698), and has been submitted as Relief Request #2 in the third 10-year interval.

The ISI Programs for Containment, Inservice Pressure Tests, and Snubber Examinations are covered under separate plant documents. General requirements for these programs are included for completeness.

Additional requirements for augmented examinations are addressed. The ISI Program does not require these examinations, but rather are included and administered at the request of the plant.

## 1.0 Introduction

St. Lucie Unit 2 is a two-loop Combustion Engineering Pressurized Water Nuclear Power Plant. Florida Power and Light Company (FPL) is the Owner of Record.

### 1.1 ISI Program Development

This document details the Inservice Inspection Program of Class 1, 2, and 3 components for the Third 10-Year Inservice Inspection Interval for St. Lucie Nuclear Power Plant, Unit No. 2.

The plan and schedule of examinations is located in document ISI-PSL-2-Plan. The isometrics used for locations of welds during examinations are located in ISI-PSL-2-Sketches. The schedule and isometrics are separate controlled documents.

In Relief Request #1, FPL requested that the 1998 Edition of ASME Section XI with Addenda through 2000 be used in lieu of using the 1995 Edition of ASME Section XI with Addenda through 1996. 10CFR50.55a, paragraph (g)(4)(ii) effective at this date stated that the updated program "must comply with the requirements of the latest Edition and Addenda of the code incorporated by reference in paragraph (b) of this section 12 months prior to the start of the 120 month interval...". The date of 12 months prior to the 2<sup>nd</sup> ten-year Interval expiration was August 7, 2002. At that time, 10CFR50.55a endorsed the 1995 Edition with Addenda up to 1996. The revised 10CFR50.55a that endorsed the 1998 Edition with 2000 Addenda was not effective until October 28, 2002. This program reflects the requirements of the 1998 Edition with Addenda through 2000 of Section XI as modified by 10CFR50.55a, effective date October 28, 2002.

### 1.2 Other ISI Programs

This document does not address every aspect of Inservice Inspection. The following details the examination and testing requirements of those parts covered by other documents.

#### 1.2.1 Inservice Testing Program (IST)

The program for Inservice Testing of Class 1, Class 2, and Class 3 Pumps and Valves is covered by the St. Lucie Inservice Testing (IST) Program, which is submitted and approved separately.

#### 1.2.2 Steam Generator (SG) Eddy Current (ET) Program

The Steam Generator (SG) Eddy Current Testing (ET) Program is governed by the requirements of St. Lucie Plant Technical Specifications, Section 3/4.4.5 and is administered separately.

**1.2.3 Snubber Program**

The program for the examination and testing of safety-related snubbers is addressed by St. Lucie Plant procedures.

**1.2.4 Pressure Test Program**

The program for Inservice System Pressure Testing of ASME Code Class 1, Class 2, and Class 3 components and systems is addressed in a separate document.

**1.2.5 Repair and Replacement Program**

The Repair and Replacement Program for ASME Code Class 1, 2, and 3 component and systems is addressed by St. Lucie Plant procedures.

**1.2.6 Metal Containment Inservice Inspection Program (IWE)**

The Metal Containment Inservice Inspection Program, ISI/IWE-PSL-1/2-Program, controls the examination of Containment Building under Subsection IWE and is administered separately. On September 9, 1996, 10CFR50.55a was amended to include section IWE of the 1992 Edition with Addenda through 1992 of Section XI. This amendment required FPL to implement and complete the initial period examination requirements by September 9, 2001.

**1.3 Construction Permit**

The Construction permit for St. Lucie Nuclear Power Plant Unit 2 was issued on May 2, 1977.

**1.4 Commercial Service Date**

The Operating License for St. Lucie Nuclear Power Plant Unit 2 was issued on April 6, 1983.

The Commercial Service Date for St. Lucie Nuclear Power Plant Unit 2 was August 8, 1983.

**1.5 Background**

Piping and interconnecting welds to components were installed in accordance to the rules of ASME Section III, 1977 Edition through Summer 1977 Addenda, for those system classified as Class 1, 2, and 3.

St. Lucie Unit 2 has been examined to the requirements of different Editions and Addenda of Section XI. The applicable Edition of Section XI was mandated by changes to 10 CFR 50.55a at 10-year intervals or earlier.

**1.5.1 Preservice Examinations**

The Preservice Inspection was conducted in accordance with the 1977 Edition with Addenda through summer 1978 of the ASME B&PV Code, Section XI.

**1.5.2 First Inservice Inspection Interval**

The First 10-Year Inservice Inspection Interval was conducted in accordance with the 1980 Edition through Winter 1980 Addenda of Section XI, except for system pressure tests, performed to Winter 1981 Addenda. The First Inservice Inspection Interval began on August 8, 1983 and ended on August 7, 1993.

**1.5.3 Second Inservice Inspection Interval**

The Second 10-Year Inservice Inspection Interval was conducted in accordance with the 1989 Edition of Section XI. The Second Inservice Inspection Interval began on August 8, 1993 and ended on August 7, 2003.

**1.5.4 Third Inservice Inspection Interval**

The Third Interval will be conducted in accordance with the 1998 Edition of ASME Section XI with Addenda through 2000 as modified by 10CFR50.55a.

The Third 10-Year Inservice Inspection Interval is divided into three successive Inspection periods as determined by calendar years of plant service within the interval. The dates of the Third Interval and Periods are as follows:

Third Inservice Inspection Interval		
Period	Start	End
3 <sup>rd</sup> Interval	August 8, 2003	August 7, 2013
1 <sup>st</sup> Period	August 8, 2003	August 7, 2006
2 <sup>nd</sup> Period	August 8, 2006	August 7, 2010
3 <sup>rd</sup> Period	August 8, 2010	August 7, 2013

Table 1

**1.6 Applicable Editions and Addenda to Section XI**

In accordance with 10 CFR 50.55a(b)(2), effective date 10-28-2002, the Inservice Inspection Requirements for the third Inservice Inspection Interval applicable to Class 1, 2, and 3 components at St. Lucie Unit 2 are based on the 1998 Edition with Addenda through 2000 of ASME Section XI.

Portions of the ISI Program are based on other Editions and Addenda of Section XI, Relief Requests, the Code of Federal Regulations, Regulatory Guides, and Plant Technical Specifications and commitments. Where this has occurred, it is documented within this Program.

## **1.7 System Classification**

System safety classifications, design and fabrication requirements meet the intent of 10 CFR 50.2v and Regulatory Guide 1.26, as identified within the St. Lucie Unit 2 FSAR.

Water, steam and radioactive containing components (other than turbines and condensers) are designated Quality Group A, B, C, or D in accordance with their importance to safety.

### **1.7.1 System Classifications**

Class 1 system boundaries are developed based on 10 CFR 50.2(v), and the St. Lucie Unit 2 FSAR. Class 2 and 3 system boundaries are developed based on Regulatory Guide 1.26 and the St. Lucie Unit 2 FSAR.

System Quality Group classification interfaces between components of different quality groups are designated on various system piping and instrument diagrams (PID's) (see Section 13).

### **1.7.2 Optional Construction**

Optional construction of a component within a system boundary to a classification higher than the minimum class established in the component design specification does not affect the overall system classification by which the applicable rules of Section XI are determined.

### **1.7.3 Containment Penetrations**

Portions of piping penetrating the containment vessel which are required to be constructed to Class 1 or 2 rules for piping and which may differ from the classification of the balance of the piping system, may not affect the overall system classification that determines the applicable rules of Section XI.

### **1.7.4 Class MC Components**

10 CFR 50.55a was amended, effective November 22, 1999, to address the requirements of ISI of metal containment buildings. Subsection IWE of the 1992 Edition with Addenda through 1992 was implemented on an expedited basis. The program for IWE examinations specifically defines the classification of those areas examined.



**1.8 Inspection Program**

Examinations for Class 1, 2, and 3 components are scheduled in accordance with Inservice Inspection Program B (IWB-2412 and Table IWB-2412-1). Examinations are scheduled based upon previous 10-Year intervals, to the extent practical and within the limits of Code Case N-624. Class 1 piping weld examinations are based on the Risk Informed selection criteria (Reference Relief Request #2).

In order to be consistent in determining percentages, FPL chose to multiply the number of examination areas by the minimum or maximum percentages of Program B and rounding to the nearest whole number. This will be the number FPL uses for determining how many welds/components will be examined each period.

The Inservice Inspection Schedule Tables for inservice examinations of the major components of PSL-2 are located in ISI-PSL-2-Plan. The ISI-PSL-2-Plan includes tables that have brief descriptions of each component subject to examination, the required Code references, and any other pertinent information that is useful for determining examination requirements. The information and summary tables located in ISI-PSL-2-Plan satisfy the requirements of IWA-2420(b)(1) through (6) respectively.

**1.9 Regulatory Guides**

The Regulatory Guides determined to be applicable to PSL-2 for purposes of this ISI Program are listed below:

USNRC Regulatory Guides	
1.14	Reactor Coolant Pump Flywheel Integrity
1.26	Quality Group Classifications
1.65	Materials and Inspections for Reactor Vessel Closure Studs
1.83	Inservice Inspection of Pressurized Water Reactor Steam Generator Tubes, Revision 1, July 1985
1.147	Section XI Code Case Acceptability
1.150 Rev. 1	UT of RPV Welds During PSI and ISI

Table 2

**1.10 ASME Section XI Code Cases**

Section XI Code Cases applicable to the ISI Program are shown below. Each of the Code Cases has been approved and listed in USNRC Regulatory Guide 1.147, or are the subject of a relief request. When Code Cases are approved for use through a relief request, and are later added to Regulatory Guide 1.147, FPL may continue to use them in accordance with the Regulatory Guide.

Applicable Code Cases	
Number	Description
N-416-2	Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding, Class 1, 2, and 3, Section XI, Division 1 (with conditions Reg. Guide 1.147, Rev. 13)
N-460	Alternate Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1 (without conditions Reg. Guide 1.147, Rev. 13)
N-463-1	Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping that Exceed the Acceptance Standards of IWB-3514.2, Section XI, Division 1 (without conditions Reg. Guide 1.147, Rev. 13)
N-498-4	Alternative Rules for 10-Year Hydrostatic Testing for Class 1, 2, and 3 Systems, Section XI, Division 1 (with conditions Reg. Guide 1.147, Rev. 13)
N-513	Evaluation Criteria For Temporary Acceptance of Flaws in Class 3 Piping, Section XI Division 1, as referenced in 10CFR 50.55a paragraph 50.55a(b)(2)(xiii) (see note below)
N-522	Pressure Testing of Containment Penetration Piping, Section XI, Division 1 (without conditions Reg. Guide 1.147, Rev. 13)
N-523-2	Mechanical Clamping Devices for Class 2 and 3 Piping, Section XI, Division 1 (without conditions Reg. Guide 1.147, Rev. 13)
N-532-1	Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000, Section XI, Division 1 (with conditions Reg. Guide 1.147, Rev. 13)
N-533-1	Alternative Requirements for VT-2 Visual Examination of Class 1 Insulated Pressure-Retaining Bolted Connection, Section XI, Division 1 (with conditions Reg. Guide 1.147, Rev. 13)
N-566-1	Corrective Action for Leakage Identified at Bolted Connections, Section XI, Division 1 (without conditions Reg. Guide 1.147, Rev. 13)
N-616	Alternative Requirements for VT-2 Visual Examination of Classes 1, 2, 3 Insulated Pressure Retaining Bolted Connections, Section XI, Division 1 (with conditions Reg. Guide 1.147, Rev. 13)
N-623	Deferral of Inspections of Shell-to-Flange and Head-to-Flange Welds of a Reactor Vessel, Section XI, Division 1 (without conditions Reg. Guide 1.147, Rev. 13)
N-624	Successive Inspections, Section XI, Division 1 (without conditions Reg. Guide 1.147, Rev. 13)
N-648-1	Alternative Requirements for Inner Radius Examination of Class 1 Reactor Vessel Nozzles, Section XI, Division 1 (with condition Reg. Guide 1.147, Rev. 13)

Table 3

Note: When implementing Code Case N-513, the specific safety factors in paragraph 4.0 must be satisfied. Code Case N-513 may not be applied to:

- (a) Components other than pipe and tube, such as pumps, valves, expansion joints, and heat exchangers;
- (b) leakage through a flange gasket;
- (c) threaded connections employing nonstructural seal welds for leakage prevention (through seal weld leakage is not a structural flaw, thread integrity must be maintained); and
- (d) degraded socket welds.

**1.11 Branch Technical Position**

Branch Technical Position APSCB 3.1, paragraph B.2.c(4).

**1.12 Standard Review Plan 6.6**

FPL will examine selected welds in the main steam and feedwater systems in accordance with the requirements of USNRC Standard Review Plan 6.6, Section I.8, Augmented Inservice Inspection of Class 2 Welds.

**1.13 Plant Life Extension**

The ISI Program will implement FPL's commitments to manage the effects of aging for systems/structures/components within the scope of license renewal.

**1.14 Successive Examinations**

The sequence of component examinations will be modified in accordance with the requirements of ASME Code Case N-624. This allows FPL to alter the sequence of examinations to allow the examination of several components in an area during one outage instead of over several outages. This will reduce costs and radiation exposure. The percentage requirements of IWB-2412, IWC-2412, IWD-2412, and IWF-2410 (Program B) will be satisfied. Due to the implementation of the Risk Informed ISI Program (Relief Request 2), the scheduling of piping weld examinations will not follow Code requirements, as the selection criteria are different. However, the percentage requirements of IWB-2412 for those components selected will be maintained. The modified examination schedule is designed to optimize the performance of work within the plant to reduce radiation dose, eliminate interference with other work, and reduce costs.

## 1.15 NDE Examinations and Personnel Qualification/Certification

All NDE will be performed in accordance with the requirements of the 1998 Edition to 2000 Addenda with the following modifications as required by 10CFR50.55a.

### 1.15.1 Alternative Examinations (IWA-2240)

The provisions for the substitution of alternative examination methods, a combination of methods, or newly developed techniques in the 1997 Addenda of IWA-2240 must be applied. The provisions in IWA-2240 and IWA-4520(c), 1998 Edition through the 2000, are not approved for use (Reference 10CFR50.55a(b)(2)(xix)).

### 1.15.2 Certification and Recertification (IWA-2314)

Level I and II nondestructive examination personnel, and personnel qualified under the American Society for Nondestructive Testing Central Certification Program and ANSI/ASNT CP-189 shall be recertified on a 3-year interval in lieu of the 5-year interval specified in IWA-2314(a) and IWA-2314(b) (Reference 10 CFR 50.55a(b)(2)(xviii)(A)).

### 1.15.3 Alternative Qualifications of VT-2 Visual Examination Personnel (IWA-2316)

Paragraph IWA-2316 may only be used to qualify personnel that observe for leakage during system leakage and hydrostatic tests conducted in accordance with IWA-5211(a) and (b) of the 1998 Edition with 2000 Addenda (Reference 10 CFR 50.55a(b)(2)(xviii)(B)).

### 1.15.4 Alternative Qualifications of VT-3 Visual Examination Personnel (IWA-2317)

In addition to the requirements of Paragraph IWA-2317, the proficiency of the training required under IWA-2317 must be demonstrated by administering an initial qualification examination and administering re-certification examinations on a 3-year interval (Reference 10 CFR 50.55a(b)(2)(xviii)(C)).

### 1.15.5 Appendix VIII Requirements

1.15.5.1 10CFR50.55a(b)(2)(xiv) requires that all personnel qualified for performing ultrasonic (UT) examinations in accordance with Appendix VIII shall receive additional annual hands-on training. This requirement consists of at least eight hours of hands on training on samples containing cracks no earlier than six months prior to performing examinations at a licensee's facility. St. Lucie will comply with this additional training requirements for personnel performing Section XI Appendix VIII, UT examinations.

- 1.15.5.2 In September 1999, 10CFR50.55a incorporated an expedited implementation schedule for ASME Section XI, Appendix VIII. FPL implemented the requirements in accordance with the expedited schedule within the second 10-year interval for St. Lucie Unit 2. FPL will implement the requirements of the 1998 Edition with 2000 Addenda with modifications as stated in Paragraph 10CFR50.55a(b)(2)(xv) and applicable relief requests.

## 2.0 Risk Informed (RI) ISI Requirements

PSL-2 is implementing a Risk Informed Inservice Inspection (RI-ISI) Program for class 1 piping welds. This alternative to the requirements of Section XI was submitted to the NRC during the second 10-year interval as Relief Request #29 and approved by SE dated April 25, 2003 (TAC No. MB5698), and has been submitted as Relief Request #2 for the third 10-year interval. The RI-ISI program is a living program requiring feedback of new relevant information to ensure the appropriate identification of high safety significance piping locations. More frequent adjustments may be required as directed by NRC Bulletin or Generic Letter requirements, or by industry and plant specific feedback.

## 3.0 Development of the Class 1 Examination Plan

Plant controlled isometric, P&ID's, component drawings, and plant walkdowns were used to develop the ISI drawings and the scope of examinations. During examinations, drawings will be used to locate and identify each component. Other plant controlled drawings or documents will be used when additional information is required.

Refer to the Class 1, 2, and 3 ISI Schedule for a complete listing of components subject to examination and the proposed examination schedule.

### 3.1 Class 1 Code Exemptions

The October 28, 2002 revision of 10CFR50.55a(b)(2)(xi) requires the exemption criteria found in IWB-1220 of the 1989 Edition of Section XI in lieu of the 1998 Edition with Addenda through 2000.

#### IWB-1220 –Components Exempt from Examination (1989 Edition of Section XI)

The following components (or parts of components) are exempted from the volumetric and surface examination requirements of IWB-2500:

- (a) Components (notes 1 and 2) that are connected to the reactor coolant system and part of the reactor coolant pressure boundary (note 3), and that are of such a size and shape so that upon postulated rupture the resulting flow of coolant from the reactor coolant system under normal plant operating conditions is within the capacity of makeup systems which are operable from on-site emergency power;

- (b) (1) Piping of 1" nominal pipe size and smaller, except steam generator tubing;
- (2) Components and their connections in piping (note 4) of 1" nominal pipe size and smaller;
- (c) Reactor Vessel head connections and associated piping, 2" nominal pipe size and smaller, made inaccessible by control rod drive penetrations.

Note 1: Refer to 10 CFR 50, Section 50.55a(e)(2), revised March 15, 1984.

Note 2: The exemptions from examination in IWC-1220 may be applied to those components permitted to be Class 2 in lieu of Class 1 by the regulatory authority having jurisdiction at the plant site.

Note 3: Reactor Coolant pressure boundary is defined in 10 CFR 50, Section 50.2(v), revised January 1, 1975.

Note 4: *In piping* is defined as having one inlet and one outlet pipe, each of which shall be NPS 1 or smaller.

### 3.2 Component Examination Basis

This section describes each Examination Category. The required percentage of examinations and any limitations for each Examination Category is described. All other requirements are found in the 1998 Edition with 2000 Addenda of Section XI. The Summary Tables located in ISI-PSL-2-Plan satisfy the requirements of IWA-2420(b)(1) through (6) respectively.

A narrative discussion of Class 1 components subject to examination and testing are described in detail below:

#### 3.2.1 Category B-A, Pressure Retaining Welds in Reactor Vessel

ASME Section XI, Appendix VIII requirements are implemented as required. The requirements of Regulatory Guide 1.150 are utilized, when applicable.

##### Item B1.10-Shell Welds

B1.11-Circumferential

B1.12-Longitudinal

Examine essentially 100% of all longitudinal and circumferential shell welds (does not include shell to flange weld).

##### Items B1.20- Bottom Head Welds

B1.21-Circumferential

B1.22-Longitudinal

Examine essentially 100% of accessible length of circumferential and meridional head welds.

Items B1.20- Top Head Welds  
B1.21-Circumferential  
B1.22-Longitudinal

Examine essentially 100% of accessible length of circumferential and meridional head welds.

Item B1.30 - Shell-to-Flange Weld

Examine essentially 100% of the shell to flange weld.

Code Table Note 3-The examination may be performed during the first and third inspection periods, in which case 50% of the shell-to-flange weld shall be examined by the end of the first period, and the remainder by the end of the third period. During the first period, the examination need only be performed from the flange face, provided this same portion is examined from the shell during the third period. Alternatively, FPL may implement Code Case N-623. The use of this code case allows FPL to defer the examination to the end of the interval provided the conditions identified in note 5 are met.

Item B1.40 - Head to Flange Weld

Examine essentially 100% of the head to flange weld.

Code Table Note 4- Deferral is not permissible for the head-to-flange weld. Alternatively, FPL may implement Code Case N-623. The use of this code case allows FPL to defer the examination to the end of the interval provided the conditions identified in note 5 are met.

Item B1.50-Repair Welds  
B1.51-Beltline Region

There are no repair welds in the beltline region of St. Lucie Unit 2.

3.2.2 Category B-B, Pressure Retaining welds in vessels other than Reactor Vessels.

All examinations are performed from the outside surface of the components.

Pressurizer:

Items B2.10 – Shell-to-Head  
B2.11-Circumferential  
B2.12-Longitudinal

Examine 100% of both shell to head welds and 1 ft. on one intersecting longitudinal weld at each circumferential weld.

Pressurizer  
Items B2.20-Head Welds  
    B2.21-Circumferential  
    B2.22-Meridional

Examine 100% of 1 circumferential and 1 meridional weld per head.

There are no circumferential or meridional head welds in the St. Lucie Unit 2 pressurizer.

Steam Generators (Primary Side)  
Items B2.30-Head Welds  
    B2.31-Circumferential  
    B2.32-Meridional

Examine 100% of one circumferential and one meridional weld per head. The examinations are limited to one vessel among the group of vessels performing a similar function (Reference note 1 Table IWB-2500-1 and Figure IWB-2500-20(d))

Steam Generators (Primary Side)  
Item B2.40-Tubesheet to Head Welds

Examine 100% of one weld on one vessel. The examinations are limited to one vessel among the group of vessels performing a similar function (Reference note 1 Table IWB-2500-1 and Figure IWB-2500-20(d))

Heat Exchangers (Primary Side)- Head  
Items B2.50-Head Welds  
    B2.51-Circumferential  
    B2.52-Meridional

Not applicable to St. Lucie Unit 2.

Heat Exchangers (Primary Side)-Shell  
Item B2.60-Tubesheet-to-Head Welds  
Item B2.70-Longitudinal Welds  
Item B2.80-Tubesheet-to-Shell Welds

Not applicable to St. Lucie Unit 2.

### 3.2.3 Category B-D, Full Penetration Welds of Nozzle in Vessels (Program B)

Examination category B-D, Item Numbers B3.120 and B3.140, will be examined in accordance with the requirements of the 1998 Edition of Section XI (Reference 10 CFR 50.55a(b)(2)(xxi)(A)).



**Reactor Vessel**  
**Item B3.90-Nozzle-to-Vessel Welds**  
**Item B3.100-Nozzle Inside Radius Section**

Examine all nozzles during the interval. In place of the UT examination required by Table IWB-2500-1, FPL may implement the alternative requirements of code case N-648-1 as modified by NRC Reg. Guide 1.147, Rev. 13. A visual examination with enhanced magnification that has a resolution sensitivity to detect a 1-mil width wire or crack, utilizing the allowable flaw length criteria in Table IWB-3512-1 with limiting assumptions on the flaw aspect ratio. The provisions of Table IWB-2500-1 for this examination category continue to apply except that, in place of the examination volumes, the surfaces to be examined are the external surfaces shown in the figures applicable to this table.

**Pressurizer**  
**Item B3.110-Nozzle-to-Vessel Welds**  
**Item B3.120-Nozzle Inside Radius Sections**

Examine all nozzles during the interval. The inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A). A visual examination with enhanced magnification that has a resolution sensitivity to detect a 1-mil width wire or crack, utilizing the allowable flaw length criteria in Table IWB-3512-1 may be performed in place of an ultrasonic examination (Reference 10CFR50.55a(b)(2)(xxi)(A)).

**Steam Generators**  
**Item B3.130-Nozzle-to-Vessel Welds**  
**Item B3.140-Nozzle Inside Radius Sections**

Examine all nozzles during the interval. The inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A). A visual examination with enhanced magnification that has a resolution sensitivity to detect a 1-mil width wire or crack, utilizing the allowable flaw length criteria in Table IWB-3512-1 may be performed in place of an ultrasonic examination (Reference 10CFR50.55a(b)(2)(xxi)(A)).

**Heat Exchangers (\*Primary Side)**  
**Item B3.150-Nozzle-to-Vessel Welds**  
**Item B3.160-Nozzle Inside Radius Sections**

Not applicable to St. Lucie Unit 2.

**3.2.4 Category B-F, Pressure Retaining Dissimilar Metal Welds**

These components will be examined under the RI ISI Program (Reference Section 2.0) and Relief Request #2.

**3.2.5 Category B-G-1 - Pressure Retaining Bolting, Greater Than 2 in. in Diameter**

For heat exchangers, piping, pumps, and valves, examinations are limited to components selected for examination under B-B (vessels other than RPV), B-J (piping), B-L-2 (pump casings), and B-M-2 (valve bodies exceeding NPS 4).

**Reactor Vessel**

- Item B6.10-Closure Head Nuts
- Item B6.20-Closure Studs, in place
- Item B6.30-Closure Studs, when removed
- Item B6.40-Threads in Flange
- Item B6.50-Closure Washers, Bushings

Examine 100% of the bolting each interval.

FPL utilizes 3 sets of RPV bolting that are rotated between the 2 units. All 3 sets of RPV bolting will be examined within the third 10-year interval.

**Pressurizer**

- Item B6.60-Bolts and Studs
- Item B6.70-Flange Surface, when connection disassembled
- Item B6.80-Nuts, Bushings, Washers

Not applicable to St. Lucie Unit 2

**Steam Generators**

- Item B6.90-Bolts and Studs
- Item B6.100-Flange Surface, when connection disassembled
- Item B6.110-Nuts, Bushings, Washers

Not applicable to St. Lucie Unit 2

**Heat Exchangers**

- Item B6.120-Bolts and Studs
- Item B6.130-Flange Surface, when connection disassembled
- Item B6.140-Nuts, Bushings, Washers

Not applicable to St. Lucie Unit 2

**Piping**

- Item B6.150-Bolts and Studs
- Item B6.160-Flange Surface, when connection disassembled
- Item B6.170-Nuts, Bushings, Washers

Not applicable to St. Lucie Unit 2

**Pumps**

Item B6.180-Bolts and Studs

Item B6.190-Flange Surface, when connection disassembled

Item B6.200-Nuts, Bushings, Washers

Examine 100% of the above items of one Reactor Coolant Pump during the interval.

**Valves**

Item B6.210-Bolts and Studs

Item B6.220-Flange Surface, when connection disassembled

Item B6.230-Nuts, Bushings, Washers

Not applicable to St. Lucie Unit 2

**3.2.6 Category B-G-2, Pressure Retaining Bolting, 2 in. and Less in Diameter**

For heat exchangers, piping, pumps, and valves, examinations are limited to components selected for examination under B-B (vessels other than RPV), B-J (piping), B-L-2 (pump casings), and B-M-2 (valve bodies exceeding NPS 4).

**Reactor Vessel**

Item B7.10-Bolts, Studs, and Nuts

Not applicable to St. Lucie Unit 2.

**Pressurizer**

Item B7.20-Bolts, Studs, and Nuts

Examine 100% of the bolting each interval.

**Steam Generators**

Item B7.30-Bolts, Studs, and Nuts

Examine 100% of the bolting each interval on the steam generator selected for examination under Examination Category B-B.

**Heat Exchangers**

Item B7.40-Bolts, Studs, and Nuts

Not applicable to St. Lucie Unit 2.

**Piping**

Item B7.50-Bolts, Studs, and Nuts

Examine 100% of the bolting each interval.

**Pumps**  
Item B7.60-Bolts, Studs, and Nuts

Not applicable to St. Lucie Unit 2.

**Valves**  
Item B7.70-Bolts, Studs, and Nuts

Examine 100% of the bolting on one of each group of valves each interval.

**CRD Housings**  
Item B7.80-Bolts, Studs, and Nuts

Not applicable to St. Lucie Unit 2. Examinations would be required under 10 CFR 50.55a(b)(2)(xxi)(B).

### **3.2.7 Category B-J, Pressure Retaining Welds in Piping**

These components will be examined under the RI ISI Program (Reference Section 2.0) and Relief Request #2.

### **3.2.8 Category B-K, Welded Attachments for Vessels, Piping, Pumps, and Valves**

For piping, pumps, and valves, a sample of 10% of the welded attachments will be examined. Each welded attachment will receive a surface examination of 100% of required areas of each welded attachment. Examination is also required whenever component support member deformation (e.g., broken, bent, or pulled out parts) is identified during operation, refueling, maintenance, examination, Inservice Inspection, or testing. Examinations performed as a result of support deformation cannot be credited under the requirements of Inspection Program B.

**Pressure Vessels**  
Item B10.10-Welded Attachments

For multiple vessels of similar design, function and service, only one of the welded attachments of only one of the multiple components requires examination. Under 10 CFR 50.55a(b)(xxi)(C), St. Lucie Unit 2 must utilize the 95A95 Section XI for the examination of Item No. B10.10 components. The difference is found in Note 7 of Examination Category B-K, which stipulates a different examination area.

**Piping**  
Item B10.20-Welded Attachments

Examine 10% of the welded attachments associated with the component supports selected for examination under IWF-2510.

**Pumps**  
**Item B10.30-Welded Attachments**

Examine 10% of the welded attachments associated with the component supports selected for examination under IWF-2510.

**Valves**  
**Item B10.40-Welded Attachments**

Not applicable to St. Lucie Unit 2.

**3.2.9 Category B-L-1, Pump Casing Welds**

**Pumps**  
**Item: B12.10-Pump Casing Welds**

The outside surface of the welds of one reactor coolant pump will be examined during the inspection interval. The pump selected shall be based on pump disassembly for maintenance under B-L-2 or end of inspection interval, whichever comes first.

**3.2.10 Category B-L-2, Pump Casing**

**Pumps**  
**Item B12.20-Pump Casing**

Examination of the internal surfaces of one of the four Reactor Coolant Pumps when disassembled for maintenance. Pump to be identified when pump is disassembled.

**3.2.11 Category B-M-1, Pressure Retaining Welds in Valve Bodies**

**Valves**  
**Item B12.30-Less than NPS 4**  
**Item B12.40-NPS 4 or Larger**

Not applicable to St. Lucie Unit 2.

3.2.12 Category B-M-2, Valve Bodies

Valves that are of the same size, constructional design, and manufacturing method, and that perform similar functions in the system are grouped together.

Valves

Item B12.50-Valve Body, Exceeding NPS 4

Examination of at least one valve of each group of valves once per interval when disassembled for maintenance, repair, or volumetric examination.

Listing of Class 1 Valves by Group				
Group Number	Zone	Valve Number	Type	Size
1	2-021	V-3227	Check	12"
	2-022	V-3217		
	2-023	V-3237		
	2-024	V-3247		
2	2-021	V-3624	Gate	12"
	2-022	V-3614		
	2-023	V-3634		
	2-024	V-3644		
3	2-028	V-3652	Gate	10"
	2-028	V-3651		
	2-028	V-3545		
	2-029	V-3480		
	1-029	V-3481		
4	1-039	V-3124	Check	6"
	1-039	V-3114		
	1-040	V-3144		
	1-040	V-3134		

Table 4

**3.2.13 Category B-N-1, Interior of Reactor Vessel**

Reactor Vessel  
Item B13.10-Vessel Interior

Examine accessible areas once each inspection period above and below the reactor core made accessible for examination by removal of components during normal refueling.

**3.2.14 Category B-N-2, Welded Core Support Structures and Interior Attachments to Reactor Vessels**

Reactor Vessel (PWR)  
Item B13.50-Interior Attachments within Beltline Region

Examine interior attachments within the beltline region once per interval. These examinations may be deferred until the end of the interval.

Item: B13.60-Interior Attachments Beyond Beltline Region

Examine interior attachments beyond the beltline region once per interval. These examinations may be deferred until the end of the interval.

**3.2.15 Category B-N-3, Removable Core Support Structures**

Item: B13.70-Core Support Structure

Examine accessible surfaces of core support structures once per interval. The structure shall be removed from the vessel. These examinations may be deferred until the end of the interval.

**3.2.16 Category B-O, Pressure Retaining Welds in Control Rod Housings**

Reactor Vessel  
Item: B14.10-Welds in CRD Housing

Not applicable to St. Lucie Unit 2.

**3.2.17 Category B-P, All Pressure Retaining Components**

The system leakage test shall be conducted prior to plant startup following each refueling outage.

On systems borated for the purpose of controlling reactivity, insulation shall be removed from pressure retaining bolted connections for visual examination VT-2 (IWA-5242). The examinations may be performed in accordance with the alternative requirements of Code Case N-533-1 and/or N-616 (Reference USNRC Reg. Guide 1.147 Rev. 13 for conditions).

More information on pressure testing is included in Section 9.0, Pressure Testing.

Reactor Vessel  
Item B15.10-Pressure Retaining Boundary

Pressurizer  
Item B15.20-Pressure Retaining Boundary

Steam Generators  
Item B15.30-Pressure Retaining Boundary

Heat Exchangers  
Item B15.40-Pressure Retaining Boundary

Piping  
Item B15.50-Pressure Retaining Boundary

Pumps  
Item B15.60-Pressure Retaining Boundary

Valves  
Item B15.70-Pressure Retaining Boundary

### 3.2.18 Category B-Q, Steam Generator Tubing

Item: B16.20-Steam Generator Tubing in U-Tube Design

The extent and frequency of examination is governed in accordance with the St. Lucie 2 Plant Technical Specifications (Reference 10 CFR 50.55a[b][2][iii]).

## 4.0 Development of the Class 2 Examination Plan

Plant controlled isometric, P&ID's, component drawings, and plant walkdowns were used to develop the ISI drawings and the scope of examinations. During examinations, drawings will be used to locate and identify each component. Other plant controlled drawings or documents will be used when additional information is required.

Refer to the Class 1, 2, and 3 ISI Schedule for a complete listing of components subject to examination and the proposed examination schedule.



#### 4.1 Class 2 Code Exemptions

The following Class 2 exemption criteria is applicable. Article IWC-1220 of the 98A00 Section XI lists those piping and components exempt from examination.

##### IWC-1220 – Components Exempt from Examination

The following components (or parts of components) are exempted from the volumetric and surface examination requirements of IWC-2500;

#### 4.1.1 IWC-1221, Components within RHR, ECC, and CHR Systems or Portions of Systems (Note 1).

- (a) For systems, except high pressure safety injection systems in pressurized water reactor plants:
  - (1) Piping NPS 4 (DN100) and smaller.
  - (2) Vessels, pumps, and valves and their connections in piping (Note 2) NPS 4 (DN100) and smaller.
- (b) For high pressure safety injection systems in pressurized water reactor plants:
  - (1) Piping NPS 1-1/2 (DN40) and smaller.
  - (2) Vessels, pumps, and valves and their connections in piping (Note 2) NPS 1-1/2 (DN40) and smaller.
- (c) Vessels, piping, pumps, valves, other components, and component connections of any size in statically pressurized, passive (i.e., no pumps) safety injection systems (Note 3) of pressurized water reactor plants.
- (d) Piping and other components of any size beyond the last shutoff valve in open-ended portions of systems that do not contain water during normal plant operating conditions.

#### 4.1.2 IWC-1222, Components within Systems or Portions of Systems Other Than RHR, ECC, and CHR Systems (Note 1).

- (a) For systems, except auxiliary feedwater systems in pressurized water reactor plants:
  - (1) Piping NPS 4 (DN100) and smaller.
  - (2) Vessels, pumps, and valves and their connections in piping (Note 2) NPS 4 and smaller.
- (b) For auxiliary feedwater systems in pressurized water reactor plants:
  - (1) Piping NPS 1-1/2 (DN40) and smaller.
  - (2) Vessels, pumps, and valves and their connections in piping (Note 2) NPS 1-1/2 and smaller.

- (c) Vessels, piping, pumps, valves, other components, and component connections of any size in systems or portions of systems that operate (when the system function is required) at a pressure equal to or less than 275 psig (1900 kPa) and at a temperature equal to or less than 200° F (93° C).
- (d) Piping and other components of any size beyond the last shutoff valve in open-ended portions of systems that do not contain water during normal plant operating conditions.

#### 4.1.3 IWC-1223, Inaccessible Welds

Welds or portions of welds that are inaccessible due to being encased in concrete, buried underground, located inside a penetration, or encapsulated by guard pipe.

Note 1: RHR, ECC, and CHR systems are the Residual Heat Removal, Emergency Core Cooling, and Containment Heat Removal Systems, respectively.

Note 2: *In piping* is defined as having a cumulative inlet and a cumulative outlet pipe cross-sectional area neither of which exceeds the nominal OD cross-sectional area of the designated size.

Note 3: Statically pressurized, passive safety injection systems of pressurized water reactor plants are typically called:

- (a) Accumulator tank and associated system.
- (b) Safety injection tank and associated system.
- (c) Core flooding tank and associated system.

## 4.2 Component Examination Basis

This section describes each Examination Category. The required percentage of examinations and any limitations for each Examination Category is described. All other requirements are found in the 1998 Edition with 2000 Addenda of Section XI. The Summary Tables located in ISI-PSL-2-Plan satisfy the requirements of IWA-2420(b)(1) through (6) respectively.

A narrative discussion of Class 2 components subject to examination and testing are described in detail below:

### 4.2.1 Category C-A, Pressure Retaining Welds in Pressure Vessels

#### Item C1.10-Shell Circumferential Welds

Examine 100% of welds at gross structural discontinuities. The examinations may be limited to one vessel or distributed among a group of vessels.

**Item C1.20-Head Circumferential Welds**

Examine 100% of head-to-shell welds. The examinations may be limited to one vessel or distributed among a group of vessels.

**Item C1.30-Tubesheet-to-Shell Welds**

Examine 100% of tubesheet-to-shell welds. The examinations may be limited to one vessel or distributed among a group of vessels.

**4.2.2 Category C-B, Pressure Retaining Nozzle Welds in Vessels**

**Items C2.10-Nozzles in Vessels  $\leq$  ½ in. Nominal Thickness**

**C2.11-Nozzle-to-Shell (Nozzle to Head) Weld**

Not applicable to PSL-2.

**Items C2.20-Nozzles Without Reinforcing Plate in Vessels  $>$  ½ in. Nominal Thickness**

**C2.21-Nozzle-to-Shell (Head) Weld**

**C2.22-Nozzle Inside Radius Section**

Applicable to Nozzle-to-Shell (Head) weld for nozzles greater than 4 NPS (Reference General Note-Figures IWC-2500-4). Nozzle Inner Radius requirement applies to nozzles greater than 12 NPS (Reference Figures IWC-2500-4(a), (b), and (c)). Examine nozzles at terminal ends of piping runs. The examination may be limited to one vessel or distributed among the vessels.

**Items C2.30-Nozzles With Reinforcing Plate in Vessels  $>$  ½ in. Nominal Thickness.**

**C2.31-Reinforcing Plate Welds to Nozzle and Vessel**

Examine nozzles at terminal ends of piping runs. The examination may be limited to one vessel or distributed among the vessels.

**C2.32-Nozzle-to-Shell (or Head) Welds When Inside of Vessel is Accessible**

Not applicable to PSL-2

**C2.33-Nozzle to Shell (or Head) Welds When Inside of Vessel is Inaccessible**

Applicable to Nozzle-to-Shell (Head) weld for nozzles greater than 4 NPS (Reference General Note-Figures IWC-2500-4). Examine telltale hole in reinforcing plates once each period. The examination may be limited to one vessel or distributed among the vessels. This examination will be performed during the pressure test of the system.

#### 4.2.3 Category C-C, Welded Attachments for Vessels, Piping, Pumps, and Valves

For piping, pumps, and valves, a sample of 10% of the welded attachments will be examined. Each welded attachment will receive a surface examination of 100% of required areas of each welded attachment. Examination is also required whenever component support member deformation (e.g., broken, bent, or pulled out parts) is identified during operation, refueling, maintenance, examination, Inservice Inspection, or testing. Examinations performed as a result of support deformation cannot be credited under the requirements of Inspection Program B.

##### Pressure Vessels Item C3.10-Welded Attachments

For multiple vessels of similar design, function and service, only one of the welded attachments of only one of the multiple components requires examination.

##### Piping Item C3.20-Welded Attachments

Examine 10% of the welded attachments associated with the component supports selected for examination under IWF-2510.

##### Pumps Item C3.30-Welded Attachments

Examine 10% of the welded attachments associated with the component supports selected for examination under IWF-2510.

##### Valves Item C3.40-Welded Attachments

Not applicable to St. Lucie Unit 2.

#### 4.2.4 Category C-D - Pressure Retaining Bolting > 2" in Diameter

##### Pressure Vessels Item C4.10-Bolts and Studs

Not applicable to St. Lucie Unit 2

##### Piping Item C4.20-Bolts and Studs

Not applicable to St. Lucie Unit 2

Pumps  
Item C4.30-Bolts and Studs

Not applicable to St. Lucie Unit 2

Valves  
Item C4.40-Bolts and Studs

Not applicable to St. Lucie Unit 2

**4.2.5 Category C-F-1, Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping.**

Item C5.10-Piping welds greater than or equal to 3/8in. nominal wall thickness for piping greater NPS 4.

C5.11-Circumferential Weld

Item C5.20-Piping welds greater than 1/5 in. nominal wall thickness for piping greater than or equal to NPS 2 and less than or equal to NPS 4

C5.21-Circumferential Weld

Item C5.30-Socket Welds

Item C5.40-Pipe branch connections of branch piping greater than or equal to NPS 2

C5.41-Circumferential Welds

Examine 7.5%, but not less than 28 welds, of all dissimilar metal, austenitic stainless steel or high alloy welds not exempted by IWC-1220. The welds to be examined shall be distributed among the systems in a manner such that a representative sample of each system and size is selected. Welds that are not exempted by IWC-1220, but are not required to be nondestructively examined per Category C-F-1 are listed as C-F-3 within the ISI-PSL-2-Plan. The weld population of C-F-1 and C-F-3 are added together and multiplied by 7.5% to determine the number of required examinations.

Longitudinal welds are examined in accordance with note 6 in Table IWC-2500-1 for this examination category.

**4.2.6 Category C-F-2, Pressure Retaining Welds in Carbon or Low Alloy Steel Piping**

Item C5.50-Piping welds greater than or equal to 3/8in. nominal wall thickness for piping greater than NPS 4

C5.51-Circumferential Weld

Item C5.60-Piping welds greater than or equal to 1/5in. nominal wall thickness for piping greater than or equal to NPS 2 and less than or equal to NPS 4  
C5.61-Circumferential Weld

Item C5.70-Socket Welds

Item C5.80-Pipe branch connections of branch piping greater than or equal to NPS 2

C5.81-Circumferential Welds

Examine 7.5%, but not less than 28 welds, of all dissimilar metal, austenitic stainless steel or high alloy welds not exempted by IWC-1220. The welds to be examined shall be distributed among the systems in a manner such that a representative sample of each system and size is selected. Welds that are not exempted by IWC-1220, but are not required to be nondestructively examined per Category C-F-2 are listed as C-F-4 within the ISI-PSL-2-Plan. The weld population of C-F-2 and C-F-4 are added together and multiplied by 7.5% to determine the number of required examinations.

Longitudinal welds are examined in accordance with note 7 in Table IWC-2500-1 for this examination category.

#### 4.2.7 Category C-F-3

Those welds that are not exempt and not addressed by the requirements of category C-F-1 are counted as part of the selection criteria. These welds have been given the category of C-F-3 and are for counting purposes only. No examinations are required.

#### 4.2.8 Category C-F-4

Those welds that are not exempt and not addressed by the requirements of category C-F-2 are counted as part of the selection criteria. These welds have been given the category of C-F-4 and are for counting purposes only. No examinations are required.

#### 4.2.9 Category C-G, Pressure Retaining Welds in Pumps and Valves

Pumps

Item C6.10-Pump Casing Welds

Valves

Item C6.20-Valve Body Welds

Not applicable to PSL-2

#### 4.2.10 Category C-H, All Pressure Retaining Components

##### Item C7.10-Pressure Retaining Components

The pressure retaining components within the class 2 system boundaries are subjected to system leakage tests in accordance with IWC-5220 and visually examined per IWA-5240.

System leakage tests will be performed in accordance with the rules of Section XI as modified by the following.

Code Case N-522

Code Case N-533-1, as modified by NRC Reg. Guide 1.147

#### 5.0 Development of the Class 3 Examination Plan

Plant controlled isometric, P&ID's, component drawings, and plant walkdowns were used to develop the ISI drawings and the scope of examinations. During examinations, drawings will be used to locate and identify each component. Other plant controlled drawings or documents will be used when additional information is required.

Refer to the Class 1, 2, and 3 ISI Schedule for a complete listing of components subject to examination and the proposed examination schedule.

The Class 3 system boundaries subject to examination and testing were developed based upon the requirements of Regulatory Guide 1.26, and ASME Section XI, Table IWD-2500-1.

#### 5.1 Class 3 Code Exemptions

The following Class 3 exemption criteria is applicable. Article IWD-1220 of the 98A00 Edition of Section XI lists those piping and components exempt from examination.

##### 5.1.1 IWD-1220 - Components Exempt from Examination

The following components or parts of components are exempted from the VT-1 visual examination requirements of IWD-2500:

- (a) Piping NPS 4 (DN100) and smaller
- (b) Vessels, pumps, and valves and their connections in piping (Note 1) NPS 4 (DN100) and smaller.
- (c) Components that operate at a pressure of 275 psig (1900kPa) or less and at a temperature of 200° F (93° C) or less in systems (or portions of systems) whose function is not required in support of reactor residual heat removal, containment heat removal, and emergency core cooling.

- (d) Welds or portions of welds that are inaccessible due to being encased in concrete, buried underground, located inside a penetration, or encapsulated by guard pipe.

Note 1: *In piping* is defined as having a cumulative inlet and cumulative outlet pipe cross-sectional area neither of which exceeds the nominal OD cross-sectional area of the designated size.

#### 5.1.2 IWD-5222(g) System Hydrostatic Test Exemption

Open ended vent and drain lines from components extending beyond the last shutoff valve and open ended safety or relief valve discharge lines, including safety or relief valve piping which discharges into the containment pressure suppression pool, shall be exempt from hydrostatic test.

### 5.2 Component Examination Basis

This section describes each Examination Category. The required percentage of examinations and any limitations for each Examination Category is described. All other requirements are found in the 1998 Edition with 2000 Addenda of Section XI. The Summary Tables located in ISI-PSL-2-Plan satisfy the requirements of IWA-2420(b)(1) through (6) respectively.

A narrative discussion of Class 3 components subject to examination and testing are described in detail below:

#### 5.2.1 Category D-A, Welded Attachments for Vessels, Piping, Pumps, and Valves

Each welded attachment will receive a visual (VT-1) examination of 100% of required areas of each welded attachment. Examination is also required whenever component support member deformation (e.g., broken, bent, or pulled out parts) is identified during operation, refueling, maintenance, examination, Inservice Inspection, or testing. Examinations performed as a result of support deformation cannot be credited under the requirements of Inspection Program B.

##### Pressure Vessels Item D1.10-Welded Attachments

For multiple vessels of similar design, function and service, the welded attachments of only one of the multiple vessels requires examination.

##### Piping Item D1.20-Welded Attachments

The percentage sample shall be proportional to the total number of nonexempt welded attachments connected to the piping in each system subject to examination. Examine 10% of the welded attachments.



**Pumps**  
**Item D1.30-Welded Attachments**

The percentage sample shall be proportional to the total number of nonexempt welded attachments connected to the pumps in each system subject to examination. Examine 10% of the welded attachments.

**Valves**  
**Item D1.40-Welded Attachments**

Not applicable to St. Lucie Unit 2

**5.2.2 Category D-B, All Pressure Retaining Components**

**Item D2.10-Pressure Retaining Components**

A system leakage test (IWD-5221) shall be performed during each inspection period.

**Item D2.20-Pressure Retaining Components**

System Functional Test shall be performed in accordance with alternate examination techniques of Code Case N-498-4, Alternative Rules for 10 Year Hydrostatic Pressure Testing for Class 1 and 2 Systems Section XI, Division 1 as modified by NRC Reg. Guide 1.147.

**6.0 IWE Metal Containment Requirements**

The requirements for Code Class MC (Metal Containment) are found in the St. Lucie Containment Building Metal Containment Inservice Inspection Program, which is administered separately (Reference paragraph 1.2.6). This document establishes the administrative, managerial, and implementation control for the IWE Containment Inspection Program Plan for the first 10-year Inservice Inspection Interval.

**7.0 Development of Component Supports Examination Plan**

Plant controlled isometric, P&ID's, component drawings, and plant walkdowns were used to develop the ISI drawings and the scope of examinations. During examinations, drawings will be used to locate and identify each component. Other plant controlled drawings or documents will be used when additional information is required.

Refer to the Class 1, 2, and 3 ISI Schedule for a complete listing of components subject to examination and the proposed examination schedule.

The Class 1, 2, and 3 system boundaries subject to examination and testing were developed based upon the requirements of Regulatory Guide 1.26, and ASME Section XI, Table IWD-2500-1.

## 7.1 Code Exemptions for Supports

Under IWF-1230, component supports exempt from the examination requirements of IWF-2000 are those connected to piping and other items exempted from volumetric, surface, or VT-1 or VT-3 visual examination by IWB-1220, IWC-1220, IWD-1220, and IWE-1220. In addition, portions of supports that are inaccessible by being encased in concrete, buried underground, or encapsulated by guard pipe are also exempt from the examination requirements of IWF-2000.

## 7.2 Support Examination Basis

This section describes Examination Category F-A. The required percentage of examinations and any limitations is described. All other requirements are found in the 1998 Edition with 2000 Addenda of Section XI. The Summary Tables located in ISI-PSL-2-Plan satisfy the requirements of IWA-2420(b)(1) through (6) respectively.

A narrative discussion of F-A supports subject to examination and testing is described in detail below:

### 7.2.1 Category F-A, Supports

#### Item F1.10-Class 1 Piping Supports

Examine 25% of class 1 piping supports. The total percentage sample shall be comprised of supports from each system (e.g., Main Steam, Feedwater, or RHR), where the individual sample sizes are proportional to the total number of nonexempt supports of each type and function within each system.

#### Item F1.20-Class 2 Piping Supports

Examine 15% of class 2 piping supports. The total percentage sample shall be comprised of supports from each system (e.g., Main Steam, Feedwater, or RHR), where the individual sample sizes are proportional to the total number of nonexempt supports of each type and function within each system.

#### Item F1.30-Class 3 Piping Supports

Examine 10% of class 3 piping supports. The total percentage sample shall be comprised of supports from each system (e.g., Main Steam, Feedwater, or RHR), where the individual sample sizes are proportional to the total number of nonexempt supports of each type and function within each system.

#### Item F1.40-Supports Other Than Piping Supports (Class 1, 2, 3, and MC)

Examine the supports of only one of the multiple components within a system of similar design, function, and service.

### 7.2.2 Item Numbers

Item numbers will be categorized to identify support types by component support function.

- A - Single Acting Restraints
- B - Double Acting Restraints
- C - Spring Hangers and Supports
- D - Anchors
- P - Pumps
- S - Snubbers
- T - Tanks
- V - Vessels (includes Heat Exchangers)
- W - Welded Stanchions

Other codes may be used as necessary.

Several supports hold more than one classified line. These supports are counted only once and if scheduled for examination, will cover all of the applicable lines. The support will be counted once for credit.

### 7.3 Snubbers

Snubbers are functionally tested under the Snubber Program, which is administered separately. The requirements for the snubber program are included in QI-10-PR/PSL-6. Visual, VT-3, examinations are performed on snubbers as required by Examination Category F-A. If welded attachments are present, then these will be examined under the Class 1, 2, or 3, F-A Examination Category, as appropriate. The welded attachments are tracked within the ISI Program database.

### 8.0 IWL Concrete Containment Requirements

St. Lucie Unit 2 has a concrete missile shield surrounding the metal containment. This missile shield does not perform any containment functions and is outside the scope of Section XI. No examinations are required.

The bottom of containment has a metal liner, covered with concrete. The concrete serves only as a protective covering and is outside the scope of Section XI. No examinations are required.

### 9.0 Augmented and Other Programs

This section identifies augmented inspection programs maintained within the ISI Program that are not required by ASME Section XI. However, due to the nature of the augmented requirements, these programs have been included within the ISI Program. These augmented programs satisfy NRC requirements, operating experience, engineering judgment, etc.. Augmented program revisions or deviations shall be governed by the referenced documents. The following is the detailed description of the St. Lucie Unit 2 Inservice Inspection Program Plan Basis for Augmented Examination of additional components/systems.

9.1 Class 1

9.1.1 Reactor Coolant Pump

As required by Plant Technical Specification 4.4.11, each Reactor Coolant Pump Flywheel is examined per the requirements of Regulatory Guide 1.14, Position C.4.b. The bore and keyway areas of each Reactor Coolant Pump flywheel are examined ultrasonically approximately every three years. Additionally, the flywheels receive a 100% volumetric examination (UT) and a surface examination at or near the end of each Inspection Interval.

9.1.2 Reactor Pressure Vessel

Reactor Pressure Vessel Examinations were performed during the 2000 outage. These examinations met the requirements stated in 10 CFR 50.55a(g)(6)(ii)(A), Augmented Examination of Reactor Vessel. Relief requests were submitted to the USNRC to cover those areas where examination requirements were not satisfied.

The examinations covered the reactor vessel shell welds specified in Item No. B1.10 of Examination Category B-A, Pressure Retaining Welds in Reactor Vessels, as defined in the 1989 Edition of Section XI, Division 1, of the ASME Boiler and Pressure Vessel Code, subject to the conditions specified in 10 CFR 50.55a(g)(6)(ii)(A)(3) and (4).

9.1.3 Pressurizer Surge Line Thermal Stratification, NRC Bulletin 88-11

FPL will perform a Visual VT-1 examination of the pressurizer surge line for general conditions during the interval.

9.1.4 LER 93-04

Per LER 93-04, FPL will continue to monitor selected instrument nozzle integrity during the second inspection interval as listed in OP 2-0120022.

9.2 Class 2

9.2.1 Standard Review Plan 6.6

- (a) Welds in those portions of systems addressed in USNRC Branch Technical Position APCS B.2.4(c);
- (b) Welds in those portions of systems addressed in SRP 6.6 paragraph I.8.

In addressing the augmented examination requirements, referenced in (a) and (b) above, pipe-to-pipe welds and longitudinal seams are required to be examined. Additionally, the Code Category (C-F-2) boundary is extended past the code class boundary (MSIV) to the first restraint providing at least two degrees of restraint to piping thermal expansion. The welds and supports thus affected are specifically identified through Examination Notes in the Main Steam

and Boiler Feedwater examination Tables.

9.2.2 NRC Bulletin 79-13

Augmented Feedwater Examinations, as a result of a continuation of NRC Bulletin 79-13, and NRC Informational Notice 93-20, Thermal Fatigue Cracking of Feedwater Piping to Steam Generators.

FPL will perform a continuous enhanced ultrasonic examination starting at the Feedwater Nozzle ramp and extending out to a point of 1 diameter on the elbow. Examinations will be performed in conjunction with the Code examination schedule as identified within the examination Tables.

10.0 Evaluation/Acceptance Criteria

Florida Power and Light will perform non-destructive examinations using visual, surface (Penetrant and Magnetic Particle), and volumetric (Ultrasonic, Radiography, and Eddy Current) techniques. Other NDE techniques may be utilized when required.

During inservice inspections, NDE indications are evaluated against the acceptance standards of ASME Section XI. Components with indications that do not exceed the acceptance criteria will be considered acceptable for continued service. Additional examinations are not required.

Examinations that reveal indications shall be evaluated in accordance with article IWA-3000, IWB-3000, IWC-3000, IWD-3000, and IWF-3000, as applicable. Additional guidance for conditions identified during component support examinations, including minimum thread engagement acceptability, is located in engineering discipline standard STD-C-011.

10.1 Supplemental Examinations

Examinations that detect flaws/conditions that require evaluation in accordance with the requirements of IWB-3100, IWC-3100, or IWF-3100, may be supplemented by other examination methods and techniques within the limits specified by IWB-3200, IWC-3200, or IWF-3200.

10.2 Additional Examinations

Examinations that reveal flaws or relevant conditions that exceed the referenced acceptance standard, shall be extended to include additional examinations during the current outage. The additional examination requirements of IWB-2430, IWC-2430, IWD-2430, or IWF-2430, (as applicable) shall be performed as determined by Nuclear Engineering.

10.3 Successive Inspections for Components

Where components are accepted for continued service by analytical evaluation, IWB-2420(b), IWC-2420(b), or IWF-2420(b), the area containing the flaws or component support shall be subsequently reexamined in accordance with the following;

### 10.3.1 Class 1 Components (IWB-2420)

If a component is accepted for continued service by analytical evaluation, the areas containing flaws or relevant conditions shall be reexamined during the next three inspection periods of Inspection Plan B (IWB-2412-1.) Provided the flaws or relevant conditions remain essentially unchanged for three successive inspection periods, the component examination schedule will revert to the original schedule of successive inspections.

### 10.3.2 Class 2 Components (IWC-2420)

If a component is accepted for continued service by analytical evaluation, the areas containing flaws or relevant conditions shall be reexamined during the next inspection period of Inspection Plan B (IWC-2412-1). Provided the flaws or relevant conditions remain essentially unchanged for the next inspection period, the inspection schedule will revert to the original schedule of successive inspections.

### 10.3.3 Component Supports (IWF-2420)

If a component support is accepted for continued service by analytical evaluation, the component support shall be reexamined during the next inspection period of Inspection Plan B (IWF-2410-2). Provided the examinations do not require additional corrective measures during the next inspection period, the inspection schedule will revert to the original schedule of successive inspections.

## 11.0 Repair/Replacement Activities

The requirements of the 1998 Edition with Addenda through 2000 of Section XI and the Repair and Replacement Program for St. Lucie Nuclear Plant shall be met for Class 1, 2, and 3 piping and components and their supports. QI-10-PR/PSL-8, Control of Repairs and Replacements, details specific requirements for the repair, replacement, or modification of ISI components.

## 12.0 Relief Requests

A relief request is required when there are situations where Code requirements cannot be met or where an alternative is desired. Relief Requests shall be prepared using the NEI guidance for the standard format for requests from commercial reactor licenses pursuant to 10CFR50.55a. Relief requests will be reviewed for completeness, technical adequacy, and implementation. Reviewers may be the site ISI Coordinators, the ISI Specialist, NDE personnel, and any other group the relief request may affect. Typical examples where relief requests are submitted are as follows:

12.1 For Class 1 and 2 weld examinations, relief is required if 90% or less of the Code required coverage was achieved (unable to meet Code examination requirements).

12.2 The request for use of an alternative to a requirement listed within ASME Section XI. An example is the use of a Code Case that has not been approved for use by the latest revision of NRC Reg. Guide 1.147.

13.0 Boundary Classifications

The code required boundaries for all Class 1, 2, and 3 systems are denoted by a boxed-in letter (A, B, and C respectively) on Piping and Instrument Diagrams (P&IDs). The following list shows those P&IDs applicable to the St. Lucie ISI Program.

Program Boundary Drawings	
Reference P&ID	Title
2998-G-078 Sh. 107 2998-G-078 Sh. 108 2998-G-078 Sh. 109 2998-G-078 Sh. 110	Reactor Coolant System
2998-G-078 Sh. 111A 2998-G-078 Sh. 111B 2998-G-078 Sh. 111C 2998-G-078 Sh. 111D	Reactor Coolant Pump
2998-G-078 Sh. 115	Reactor Coolant System
2998-G-078 Sh. 120	Chemical and Volume Control System
2998-G-078 Sh. 121A 2998-G-078 Sh. 121B	Chemical and Volume Control System
2998-G-078 Sh. 122	Chemical and Volume Control System
2998-G-078 Sh. 130A	Safety Injection System
2998-G-078 Sh. 130B	Safety Injection System
2998-G-078 Sh. 131	Safety Injection System
2998-G-078 Sh. 132	Safety Injection System
2998-G-078 Sh. 140	Fuel Pool Cooling System
2998-G-078 Sh. 145	Spent Fuel System
2998-G-078 Sh. 150 2998-G-078 Sh. 152 2998-G-078 Sh. 153	Sampling System
2998-G-078 Sh. 160 A&B 2998-G-078 Sh. 161 A&B 2998-G-078 Sh. 162 2998-G-078 Sh. 163 A&B	Waste Management

Program Boundary Drawings	
Reference P&ID	Title
2998-G-079 Sh. 1 2998-G-079 Sh. 2	Main Steam and Auxiliary Steam System
2998-G-080 Sh. 2A	Feedwater and Condensate System
2998-G-080 Sh. 2B	Feedwater and Condensate System
2998-G-082 Sh. 1	Circulating and Intake Cooling Water System
2998-G-082 Sh. 2	Circulating And Intake Cooling Water System
2998-G-083 Sh. 1	Component Cooling System
2998-G-083 Sh. 2	Component Cooling System
2998-G-084 Sh. 1	Firewater, Domestic and Make-up Systems
2998-G-085 Sh. 1 2998-G-085 Sh. 2C	Service and Instrument Air Systems
2998-G-086 Sh. 1	Service and Instrument Air Systems
2998-G-088 Sh. 1	Containment Spray and Refueling Water Systems
2998-G-088 Sh. 2	Containment Spray and Refueling Water Systems
2998-G-091 Sh. 1	Miscellaneous Systems
2998-G-092	Miscellaneous Sampling System
2998-G-862	HVAC

Table 5



#### 14.0 Addition of Welds, Components, and Components Supports

The rules for selection and scheduling of examinations for new welds shall be in accordance with paragraphs IWB-2412(b), IWC-2412(b), IWD-2412(b), IWF-2410(c)).

#### 15.0 Records

##### 15.1 General

Records of Inservice Inspection Program, Plans, outage schedules, calibration standards, examination and test procedures, results of activities, final reports, certifications, and corrective actions will be developed and maintained in accordance with IWA-6000.

##### 15.2 Nondestructive Examinations

Completed NDE examination data packages shall be submitted to the ISI Specialist following completion of the inservice examination activity.

##### 15.3 Final Reports

15.3.1 Final reports will be generated for the following activities:

- (a) Nondestructive examination activities performed on Class 1, 2, and 3 systems, components and their supports
- (b) Nondestructive examination activities performed on Class MC systems
- (c) Snubber examinations and tests
- (d) System pressure tests
- (e) Eddy current examinations
- (f) Repairs and replacements

15.3.2 The final reports shall contain, as a minimum, the information required in the NIS-1 or OAR-1 (Code Case N-532-1 as modified by NRC Reg. Guide 1.147).

##### 15.4 Inservice Inspection Summary Report

FPL shall forward a summary report, NIS-1 or OAR-1, of the ISI activity to the Nuclear Regulatory Commission in accordance with IWA-6230 or Code Case N-532-1 (as modified by NRC Reg. Guide 1.147), as applicable.

##### 15.5 NIS-2 or NIS-2A Reports

NIS-2 forms, or if Code Case N-532-1 is followed, an NIS-2A form, will be completed for each repair or replacement.

##### 15.6 NIS-BB Form

An NIS-BB form will be completed after each Steam Generator tube examination.

## 16.0 References

The Inservice Inspection Program for Class 1, 2, and 3 (or Quality Groups A, B, and C respectively) systems and components and supports, was developed after reviewing the following documents and procedures. Limitations of design, geometry, and materials of construction may have an impact on the implementation of some of these documents.

- 16.1 10 CFR 50.55(a) Code of Federal Regulations.
- 16.2 Section XI of the American Society of Mechanical Engineers (ASME) Code, 1989 Edition.
- 16.3 Section XI of the American Society of Mechanical Engineers (ASME) Code, 1992 Edition with Addenda through 1992.
- 16.4 Section XI of the American Society of Mechanical Engineers (ASME) Code, 1995 Edition with Addenda through 1996.
- 16.5 Section XI of the American Society of Mechanical Engineers (ASME) Code, 1998 Edition with Addenda through 2000.
- 16.6 USNRC Regulatory Guide 1.14 – Reactor Coolant Pump Flywheel Integrity, Revision 1, dated August 1975.
- 16.5 USNRC Regulatory Guide 1.26 - Quality Group Classifications and standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants, Revision 3, dated February 1976.
- 16.7 USNRC Regulatory Guide 1.65 - Materials and Inspections for Reactor Vessel Closure Studs, October 1973.
- 16.8 USNRC Regulatory Guide 1.83 - Inservice Examination of Pressurized Water Reactor Steam Generator Tubes, Revision 1, dated July 1975.
- 16.9 USNRC Regulatory Guide 1.85 - Materials Code Case Acceptability, ASME Section III, Division 1.
- 16.10 USNRC Regulatory Guide 1.147 - Inservice Inspection Code Case Acceptability ASME Section XI.
- 16.11 USNRC Regulatory Guide 1.150 - Ultrasonic Testing of Reactor Vessel Welds during Preservice and Inservice Examinations, Revision 1, dated February 1983
- 16.12 USNRC Regulatory Guide 1.178 - An Approach for Plant-Specific Risk Informed Decision Making Inservice Inspection of Piping.
- 16.13 USNRC Information Notice 93-20, Thermal Fatigue Cracking of Feedwater Piping to Steam Generators, dated March 24, 1993.

- 16.14 USNRC Bulletin 79-13, Cracking in Feedwater System Piping.
- 16.15 USNRC Bulletin 88-11, Pressurizer Surge Line Thermal Stratification.
- 16.16 EPRI Document, Guideline For The Implementation Of Appendix VIII and 10 CFR 50.55a, Volume One Programmatic Implementation, dated 10/14/2000.
- 16.17 The Performance Demonstration Initiative (PDI), a utility developed guideline for the qualification of ultrasonic examination personnel.
- 16.18 USNRC Standard Review Plan 6.6, paragraph I.8, (for Class 2 Augmented Inspections).
- 16.19 Branch Technical Position MEB 3-1, High Energy Fluid Systems, Protection Against Postulated Piping Failures in Fluid Systems Outside Containment.
- 16.20 First and Second Interval Inservice Inspection Long Term Programs, Plans, and Schedules for St. Lucie Unit 2.
- 16.21 St. Lucie Unit 2 Final Safety Analysis Report
- 16.22 St. Lucie Unit 2 Technical Specifications, Docket number 50-389, Sections 4.0.5, 3/4.4.5, 3/4.4.11, 3/4.7.9.
- 16.23 STD-C-011, "Acceptance Criteria for As-Built Safety Related Piping and Pipe Supports," and Specification SPEC-M-004, "Maintenance Bolting Specification for St. Lucie Units 1 and 2 and Turkey Point Units 3 and 4."
- 16.24 Generic Aging Lessons Learned (GALL) Report.
- 16.25 St. Lucie Document – QI-10-PR/PSL-4, "Plant Inservice Inspection."
- 16.26 St. Lucie Document - QI-10-PR/PSL-6, "Control, Inspection, and Monitoring of Mechanical and Hydraulic Snubbers."
- 16.27 St. Lucie Document - QI-10-PR/PSL-8, "Control of Repairs and Replacements."
- 16.28 St. Lucie Document – QI-11-PR/PSL-8, "Control of Inservice Pressure Testing."
- 16.29 Engineering QI – ENG-QI 5.2, "Implementation of ASME Section XI (Inservice Inspection)."
- 16.30 Engineering Evaluation PSL-ENG-LRAM-01-026, Revision 2, "Evaluation of Environmental Effects of Fatigue – License Renewal Basis Document."
- 16.31 Engineering Evaluation PSL-ENG-LRAM-00-056, Revision 1, "Reactor Vessel Internals Inspection Program – License Renewal Basis Document."
- 16.32 Engineering Evaluation PSL-ENG-LRAM-00-097, Revision 2, "ASME Section XI, Subsections IWB, IWC and IWD Inservice Inspection Program – License Renewal Program Basis Document."

- 16.33 Engineering Evaluation PSL-ENG-LRAM-00-119, Revision 1, "ASME Section XI, Subsection IWF Inservice Inspection Program -License Renewal Program Basis Document."
- 16.34 Engineering Evaluation PSL-ENG-LRAM-00-120, Revision 1, "Reactor Vessel Integrity Program – License Renewal Basis Document."

# Appendices

## Appendix A

# Third Inservice Inspection Interval SER

**SER and NRC Documentation**

**Will Be Inserted**

**When Received**

# Appendix B

## Relief Requests



<b>Relief Requests</b>		
<b>Relief Request Number</b>	<b>Description</b>	<b>Status</b>
<b>1</b>	<b>Use of the 1998 Edition with 2000 Addenda</b>	<b>Submitted</b>
<b>2</b>	<b>Risk Informed Program</b>	<b>Submitted</b>
<b>3</b>	<b>Alternative Requirements for Implementation of Appendix VIII, Supplement 10</b>	<b>Submitted</b>

Table 6

**St. Lucie Unit 2  
THIRD INSPECTION INTERVAL  
10 CFR50.55a RELIEF REQUEST NUMBER 1**

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**Proposed Use of Subsequent ASME Code Edition and Addenda  
In Accordance with 10 CFR 50.55a(g)(4)(iv) for Inservice Inspection Items**

**1. ASME Code Component(s) Affected**

FPL is requesting that the 1998 Edition of ASME Section XI with Addenda through 2000, as modified by 10CFR50.55a, be used in lieu of using the 1995 Edition of ASME Section XI with Addenda through 1996 for the St. Lucie Unit 2 third 10-year Inservice Inspection Interval beginning August 8, 2003.

**2. Applicable Code Edition and Addenda**

10CFR50.55a, paragraph (g)(4)(ii) effective August 8, 2002 stated:

“Inservice examination of components and system pressure tests conducted during successive 120-month inspection intervals must comply with the requirements of the latest edition and addenda of the Code incorporated by reference in paragraph (b) of this section 12 months prior to the start of the 120-month inspection interval, subject to the limitations and modifications listed in paragraph (b) of this section.”

The date of 12 months prior to the 2<sup>nd</sup> ten-year Interval expiration was August 7, 2002. At that time, 10CFR50.55a(b)(2) endorsed the 1995 Edition with Addenda up to 1996. The revised 10CFR50.55a(b)(2) that endorsed the 1998 Edition with 2000 Addenda was not effective until October 28, 2002.

**3. Proposed Subsequent Code Edition and Addenda**

FPL is requesting that the 1998 Edition of ASME Section XI with Addenda through 2000 as modified by 10CFR50.55a, effective date October 28, 2003, be used in lieu of using the 1995 Edition of ASME Section XI with Addenda through 1996.

**4. Related Requirements**

FPL will implement the requirements of the 1998 Edition with Addenda through 2000 of ASME Section XI, as modified by 10CFR50.55a, effective date October 28, 2003.

**5. Duration of Proposed Request**

The update to the 1998 Edition with Addenda through 2000 of ASME Section XI will be effective for the St. Lucie Unit 2 third 10-year inspection interval, which is scheduled to begin on August 8, 2003.

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**Proposed Alternative  
In Accordance with 10 CFR 50.55a(a)(3)(I)**

**--Alternative Provides Acceptable Level of Quality and Safety--**

**1. ASME Code Components Affected**

Class 1 pressure retaining similar and dissimilar metal piping welds

Exam Cat.	Item No.	Examination Description
B-F	B5.40	Pressurizer- NPS 4 or larger, Nozzle-to-Safe End Butt Welds
	B5.50	Pressurizer- Less than NPS 4, Nozzle-to-Safe End Butt Welds
B-J	B9.11	Piping- NPS 4 or Larger, Circumferential Welds
	B9.21	Piping- Less than NPS 4, Circumferential Welds
	B9.31	Piping- Branch Pipe Connection Welds, NPS 4 or Larger
	B9.32	Piping- Branch Pipe Connection Welds, Less than NPS 4
	B9.40	Piping- Socket Welds

**2. Applicable Code Edition and Addenda**

Inservice inspections (ISI) are performed on piping to the requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition with 2000 Addenda as required by 10CFR50.55a.

**3. Applicable Code Requirement**

Pursuant to 10 CFR 50.55a (a)(3)(I), FPL requests to revise the St. Lucie Unit 2 ISI Program for Class 1 piping only, through the use of the Risk-Informed Inservice Inspection Program (RI-ISI), Attachment 1, as an alternative to the current requirements of Class 1 examination Categories B-F and B-J as specified in Table IWB-2500-1 of the 1998 Edition with 2000 Addenda of ASME Section XI.

The proposed revision to the current ISI program, for Class 1 piping only, is based on the risk-informed process described in Westinghouse Owners Group WCAP-14572, Revision 1-NP-A, "Westinghouse Owners Group Application of Risk-Informed Methods to Piping Inservice Inspection Topical Report."

St. Lucie Unit 2 is in the third interval as defined by the Code for Program B. The third inspection interval for St. Lucie Unit 2 begins August 8, 2003 and ends August 7, 2013.

#### **4. Reason for Request**

The objective of this submittal is to continue the change to the third 10-year interval ISI program plan for Class 1 piping only through the use of a risk-informed Inservice inspection (RI-ISI) program. The risk-informed process used in this submittal is described in Westinghouse Owners Group WCAP-14572, Revision 1-NP-A, "Westinghouse Owners Group Application of Risk-Informed Methods to Piping Inservice Inspection Topical Report", (referred to as "WCAP-14572, A-version" for the remainder of this document).

#### **5. Proposed Alternatives and Basis for Use**

The objective of this submittal is to continue the change to the ISI program plan for Class 1 piping only through the use of a risk-informed inservice inspection (RI-ISI) program. The risk-informed process used in this submittal is described in Westinghouse Owners Group WCAP-14572, Revision 1-NP-A, "Westinghouse Owners Group Application of Risk-Informed Methods to Piping Inservice Inspection Topical Report", (referred to as "WCAP-14572, A-version" for the remainder of this document).

ASME Section XI Class 1 Categories B-F and B-J currently contain the requirements for examining (via non-destructive examination (NDE)) Class 1 piping components. This current program submittal is limited to ASME Class 1 piping, including piping currently exempt from requirements. The alternative RI-ISI program for piping is described in WCAP-14572, Revision 1-NP-A. FPL will substitute the Class 1 RI-ISI for the ASME Section XI, Category B-F and B-J examination program on piping. Other non-related portions of the ASME Section XI Code will be unaffected.

##### **Basis for Use**

WCAP-14572, Revision 1-NP-A, provides the requirements defining the relationship between the risk-informed examination program and the remaining unaffected portions of ASME Section XI.

The attached Risk-Informed Inservice Inspection Program supports the conclusion that the proposed alternative provides an acceptable level of quality and safety.

Additionally, this submittal meets the intent and principles of Regulatory Guides 1.174 and 1.178.

#### **6. Duration of Proposed Alternative**

FPL will implement the alternative requirements during the third 10-year Inservice Inspection interval at PSL-2.

#### **7. Precedents**

St. Lucie Unit 2 submitted, by letter dated July 23, 2002, as supplemented by letters dated January 16, 2003, and March 26, 2003, relief request #29, "Risk Informed

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Inservice Inspection Program” for implementation during the third inspection period of the second 10-year inspection interval. The relief request was approved by SER dated April 25, 2003 (TAC No. MB5698). This relief request utilizes the identical methodology that was previously approved.

**8. Attachments to the Relief**

Attachment 1- “Florida Power and Light Company, St. Lucie Unit 2, Risk-Informed Inservice Inspection Piping Program Submittal Using the Westinghouse Owners Group (WOG) Methodology (WCAP-14572, Revision 1-NP-A, February 1999)”

**Florida Power and Light Company**  
**St. Lucie Unit 2**  
**Risk-Informed Inservice Inspection Piping Program Submittal**  
**Using the Westinghouse Owners Group (WOG) Methodology**  
**(WCAP-14572, Revision 1-NP-A, February 1999)**

June 2003

**RISK-INFORMED INSERVICE INSPECTION PROGRAM PLAN**

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## 1. INTRODUCTION/RELATION TO NRC REGULATORY GUIDE RG-1.174

### 1.1 Introduction

Inservice inspections (ISI) are currently performed on piping to the requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition with 2000 Addenda as required by 10CFR50.55a. St. Lucie Unit 2 begins the third inspection interval on August 8, 2003, as defined by the Code for Program B.

The objective of this submittal is to request a change to the ISI Program plan for Class 1 piping only through the use of a Risk-Informed Inservice Inspection (RI-ISI) program. The risk-informed process used in this submittal is described in Westinghouse Owners Group WCAP-14572, Revision 1-NP-A, "Westinghouse Owners Group Application of Risk-Informed Methods to Piping Inservice Inspection Topical Report", (referred to as "WCAP-14572, A-version" for the remainder of this document).

As a risk-informed application, this submittal meets the intent and principles of Regulatory Guides 1.174 and 1.178. Further information is provided in Section 3.10 relative to defense-in-depth.

### 1.2 PRA Quality

The St. Lucie Unit 2 Probabilistic Safety Assessment (PSA) model updated in September 2001 was used to evaluate the consequences of pipe ruptures. The core damage frequency (CDF) based on 5.0E-11 truncation and the large early release frequency (LERF) based on 0.01 conditional containment failure probability are 1.58E-05/Yr and 1.58E-07/Yr respectively.

The revision and applications of the PRA models and associated databases are handled as Quality Related. Administrative controls include written procedures, independent review of all model changes, data updates, and risk assessments performed using PSA methods and models. Risk assessments are performed by one PSA engineer, independently reviewed by another PSA engineer, and approved by the Department Head or designee. The PSA group falls under the FPL Engineering Quality Instructions (QI) with written procedures derived from those QIs. Procedures, risk assessment documentation, and associated records are controlled and retained as QA records.

Since the approval of the IPE, the FPL Reliability and Risk Assessment Group (RRAG) has maintained the PSA models consistent with the current plant configuration such that they are considered "living" models. The PSA models are updated for different reasons, including plant changes and modifications, procedure changes, accrual of new plant data, discovery of modeling errors, advances in PSA technology, and issuance of new industry PSA standards. The update process ensures that the applicable changes are implemented and documented timely so that risk analyses performed in support of plant operation reflect the plant configuration, operating philosophy, and transient and component failure history. The PSA maintenance and update process is described in FPL RRAG standard "PSA Update and Maintenance Procedure". This standard defines two different types of periodic updates: 1) a data analysis update, and 2) a model update. The data analysis update is performed once every five years. Model updates consist of either single or multiple PSA changes are performed at a frequency dependent on the estimated impact of the accumulated changes. Guidelines to determine the need for a model update are provided in the standard.

The safety evaluation (SE) report on the St. Lucie IPE, dated July 21, 1997, concluded that the St. Lucie IPE met the intent of Generic Letter 88-20. The SE also stated that "the staff identified weaknesses in the front-end, HRA [human reliability analysis] and back-end portions of the IPE which, we believe, limit its future usefulness." The weaknesses stated in the SE are briefly outlined below. A discussion of each weakness as related to the RI-ISI evaluation is provided below:



1. ***Identified IPE Weakness:*** *Some initiating event frequencies appeared low and some initiating event frequencies which relied on generic values should have received a plant-specific analysis.*

**Discussion of this SE identified weakness related to the RI-ISI evaluation:**

Data update has been performed since the IPE and before the RI-ISI evaluation. The data update included re-quantification of the LOCA initiating event (IE) frequencies based on a CEOG Technical Position Paper. Initiating event fault trees were also developed for loss CCW, loss of ICW, loss of TCW, loss of DC bus, and loss of instrument air. Plant specific data was used for other initiating events where available.

The impact of the IEs on the RI-ISI analysis is judged to be small as RI-ISI focuses on class 1 piping and the LOCA frequencies are estimated using probabilistic fracture mechanics. As a sensitivity study, the loss of CCW, loss of ICW, loss of TCW, loss of DC bus, and loss of instrument air IE frequencies were changed to reflect values obtained from quantifying each of the IE fault trees. These revised IE frequencies, along with revised HEPs (discussed below), were used to re-quantify the "Change in CDF" and CCDP values used to derive the relative risk of each segment.

There is no significant difference between the sensitivity study values for "Change in CDF" and CCDP and those used for the submittal. It is judged that this IE data issue does not have a significant impact on the results and conclusions for the RI-ISI application.

2. ***Identified IPE Weakness:*** *Some pre-initiator human actions appeared in dominant accident sequences, an unexpected and uncommon result. It appears that a more detailed analysis of pre-initiator human actions may appropriately reduce the human error probabilities (HEPs) for these events, thus reducing the likelihood that excessively conservative HEPs may distort the risk profile.*

**Discussion of this SE identified weakness related to the RI-ISI evaluation:**

Screening values have been used in all updates to date. The LOCA initiator related cutset files generated in support of the RI-ISI submittal were reviewed to determine the Fussel-Vesely (FV) values for the dominant pre-initiator actions.

It is judged that the use of unrefined pre-initiator screening values does not have a significant impact on the results and conclusions for the RI-ISI application.

3. ***Identified IPE Weakness:*** *It was not clear what basis was used to determine which post-initiator human actions were quantified with a time-independent technique and those post-initiator actions that were quantified with a time-dependent technique. Three post-initiator human actions (initiating once-through cooling, manually initiating recirculation actuation components following loss of the automatic signal, and securing the reactor coolant pumps after loss of seal cooling) are relatively short time frame events. Failure to consider time in these events might lead to unrealistic values.*

**Discussion of this SE identified weakness related to the RI-ISI evaluation:**

No changes to the HRA analysis to address this issue have been implemented for the PSA updates to date. The St. Lucie IPE SER states that "the HEPs for the events modeled as slips were not unreasonable and several of the events modeled in this way still show up as being

important. Therefore, there is no reason to believe that the approach necessarily precluded detection of HRA related vulnerabilities."

For class 1 piping RI-ISI applications, the use of a different HRA method is not expected to affect the conditional core damage probability given pipe breaks. As discussed for weakness (1) above, a sensitivity study was performed using updated IE frequencies and updated HEPs. The specific HRA events identified in the IPE review and other potentially significant HRA events that were originally quantified using a time-independent technique were re-quantified as time-dependent actions. The resulting HEPs along with the revised IE frequencies discussed for weakness (1) above were used to re-quantify the "Change in CDF" and CCDF values used to derive the relative risk of each segment.

There is no significant difference between the sensitivity study values for "Change in CDF" and CCDF and those used for the submittal. It is judged that this HRA issue does not have a significant impact on the results and conclusions for the RI-ISI application.

4. Identified IPE Weakness: *The time-dependent human actions used likelihood indices at their default values. Therefore, the resulting human error probabilities may be generic rather than plant-specific.*

Discussion of this SE Identified weakness related to the RI-ISI evaluation:

No changes to the HRA to address this issue have been implemented for the PSA updates to date. The St. Lucie IPE SER states that in general, the way in which the SAIC time-dependent method was applied in the IPE did not appear to violate its basic tenets and that resulting HEPs would not be considered unusual. The SER also states that most of the HEP values themselves would not suggest that identification of human action vulnerabilities was precluded.

As discussed for weakness (3) above, a sensitivity study was performed using updated HEPs for events previously quantified as time-independent. The methodology used to calculate the revised HEPs addresses plant specific factors.

The process for evaluating individual human interactions breaks down the detection, diagnosis, and decision-making aspects into different failure mechanisms, with causes of failure delineated for each. Eight different potential failure mechanisms are identified:

- Availability of information
- Failure of attention
- Misread/miscommunicate data
- Information misleading
- Skip a step in procedure
- Misinterpret instruction
- Misinterpret decision logic
- Deliberate violation

A relatively simple decision tree is used for each of these mechanisms. Each of these decision trees identifies performance shaping factors that could cause the relevant mechanism to lead to failure to initiate the proper action. The analyst selects branch points in the decision trees that correspond to the aspects of the interaction being analyzed (e.g., the number and quality of cues for the operators, the ease of use of the procedures, etc.). For each outcome in the decision trees, there is a nominal probability of failure.

Depending on the failure cause, certain recovery mechanisms may come into play. The potential for recovery may arise as follows:

- Due to self-review by the operator initially responsible for the misdiagnosis or error in decision-making, as additional cues become available or additional procedural steps provide opportunity to review actions that have been taken and the resulting effects on the plant;
- As a result of review by other crew members who would be in a position to recognize the lack of proper response;
- By the STA, whose review might identify errors in response;
- By the technical support center (TSC) when it is staffed and actively involved in reviewing the situation; and
- By oncoming crewmembers when there is a shift turnover (when the time window is very long).

Thus, after processing each of the decision trees to arrive at estimates for the basic failure mechanisms, the analyst must identify and characterize the appropriate recovery factors.

There are other considerations besides time that affect the treatment of the non-recovery potential. These included the degree to which new or repeated cues and recurring procedural steps would give rise to considering the action that had not been successfully taken.

Another element represents failure to implement the action correctly, given that the decision is made to initiate the action. A basic task analysis is performed to identify the essential steps that must be accomplished to implement a decision. The corresponding failures to perform them properly are noted. These failures are then quantified.

In considering the execution errors, three levels of stress were identified: optimal, moderately high, and extremely high. Optimal stress would apply for actions that are part of a normal response to a reactor trip, and for which the operators would be alert. Moderately high stress would apply when the operators are responding to unusual events, including multiple failures. Extremely high stress would apply for scenarios in which there is a significant threat, such as the potential that core damage is imminent if the actions are not successful, or when actions must be accomplished under significantly less than optimal conditions.

The execution errors may be subject to review and recovery as well. This is particularly true for actions taken in the control room, where additional observers may be able to identify the need for corrective action. As in the case of the initiation errors, a set of guidelines for considering review and recovery by other crewmembers has been developed.

Based on the discussion above, it can be seen that the revised HEPs used in the sensitivity study takes into account plant specific factors.

It is judged that this HRA issue does not have a significant impact on the results and conclusions for the RI-ISI application.

5. Identified IPE Weakness: An additional sensitivity analysis should have been performed regarding the probability of in-vessel recovery since the licensee assumed a very high probability of in-vessel recovery due to ex-vessel cooling.

Discussion of this SE identified weakness related to the RI-ISI evaluation:

For the class 1 piping RI-ISI application, conservatism embedded in the IPE with respect to other dominant early containment failure mechanisms (e.g., direct containment heating, steam explosion, and the vessel acting like a rocket) outweigh the risk impact of variations in the probability used for in-vessel recovery. The revised Level 2 analysis, incorporating insights since the IPE submittal, indicates that the large early containment failure probability is much less than 1%.

A Combustion Engineering Owner's Group peer review was conducted the week of May 20, 2002. The model reviewed by the peer review team was the draft version of a 2002 update. The peer review team Facts and Observations (F&Os) were reviewed for potential impact on the RI-ISI submittal results. Some of the F&Os are recommendations related only to documentation improvements and thus have no impact on the PSA results. Other F&Os are not related to LOCA scenarios and have an insignificant impact on the Class 1 piping RI-ISI applications. The rest of the F&Os affecting the CDF results are similar to those weaknesses of the IPE submittal discussed above. The review of the F&Os related to potential model enhancements concluded that the issues addressed by the F&Os would not have a significant impact on the results and conclusions of the RI-ISI evaluation.

The St. Lucie Unit 2 PSA model uses a large fault tree/small event tree method of quantification. Event tree models were developed to define the logic for core damage sequences. The event tree models were converted to equivalent fault tree logic and linked to the frontline and support system fault tree models. The core damage sequence gates were combined into a single-top core damage gate using "OR" logic. The single-top core damage gate was quantified to obtain core damage cutsets in terms of basic events. The core damage cutsets were used to obtain the CDF values. Each quantification involves post-process operations on the quantified "raw" cutsets. Cutsets containing pre-defined mutually exclusive event combinations were removed from the final cutset listing. Finally, recovery events were applied to selected cutsets based on pre-defined recovery rules.

For this RI-ISI application, the impact of pipe breaks were simulated by defining surrogate basic events in the fault tree models and using the events to configure the fault tree models prior to the quantification process. If a pipe break did not result in an initiating event, the appropriate basic event(s) was set to a logical "TRUE" state prior to each fault tree quantification to simulate failure of a mitigation system or function due to the pipe break. If a pipe break resulted in an initiating event, the appropriate basic event(s) were set equal to the initiating event prior to each fault tree quantification to simulate the impact of the pipe break initiating event on mitigation systems or functions. Existing basic events in the model were used as the preferred method of simulating the postulated pipe break. New surrogate basic events were added to the model, as required, to properly simulate the impact of the postulated pipe break when existing events were not adequate.

The Level 2 evaluation determines that for Unit 2, LERF comprises 1% of CDF, except for those degradations that result in the inability to mitigate Steam Generator Tube Ruptures or Interfacing Systems LOCAs.

It is concluded that the St. Lucie PSA method and model would yield meaningful rankings for RI-ISI evaluations when combined with deterministic insights.

## 2. PROPOSED ALTERNATIVE TO ISI PROGRAM

### 2.1 ASME Section XI

ASME Section XI Class 1 Categories B-F and B-J currently contain the requirements for examining (via non-destructive examination (NDE)) Class 1 piping components. This RI-ISI program applies to all ASME Class 1 piping, including piping currently exempt from requirements. The alternative RI-ISI program for

piping is described in WCAP-14572, A-Version. The Class 1 RI-ISI program will be substituted for the current examination program on Class 1 piping in accordance with 10 CFR 50.55a(a)(3)(i) by alternatively providing an acceptable level of quality and safety. Other non-related portions of the ASME Section XI Code will be unaffected. WCAP-14572, A-version, provides the requirements defining the relationship between the risk-informed examination program and the remaining unaffected portions of ASME Section XI.

## 2.2 Augmented Programs

There are no augmented inspection programs for the St. Lucie Unit 2 Class 1 piping systems.

## 3. RISK-INFORMED ISI PROCESSES

The processes used to develop the RI-ISI program are consistent with the methodology described in WCAP-14572, A-Version.

The process that is being applied, involves the following steps:

- Scope Definition
- Segment Definition
- Consequence Evaluation
- Failure Assessment
- Risk Evaluation
- Expert Panel Categorization
- Element/NDE Selection
- Implement Program
- Feedback Loop

### Deviations

There are two deviations to the process described in WCAP-14572, A-Version:

WCAP-14572 uses the Westinghouse Structural Reliability and Risk Assessment Model (SRRA) to calculate failure rates. Since SRRA is a Westinghouse product and St. Lucie is a CE plant, FPL uses WinPRAISE, a Microsoft Windows based version of the PRAISE code used as the benchmark for SRRA in WCAP-14572 Supplement 1.

In WCAP-14572, selection of elements in Regions 1B and 2 of the Structural Element Selection Matrix shown in Figure 3.7-1 of the WCAP is determined by a statistical evaluation process. Since the statistical model used in the WCAP is a proprietary Westinghouse product and St. Lucie is a CE plant, an alternative selection process was used. The alternative process selected 25% of the elements in each High Safety Significance segment. This alternative is based on the percentage designated in EPRI Topical Report TR-112657, Rev. B-A, approved in a Safety Evaluation Report dated October 28, 1999, and on current ASME Section XI criteria. This selection process resulted in the selection for examination of 27.7% of the total population of elements in the High Safety Significance segments.

### 3.1 Scope of Program

The scope of this program is limited to all Class 1 piping, including piping exempt from current Section XI examination requirements. The Class 1 piping systems included in the risk-informed ISI program are provided in Table 3.1-1.

### 3.2 Segment Definitions

Once the scope of the program is determined, the piping for these systems is divided into segments as defined in WCAP-14572 Section 3.3.

The numbers of pipe segments defined for the Class 1 piping systems are summarized in Table 3.1-1. The as-operated piping and instrumentation diagrams were used to define the segments.

### 3.3 Consequence Evaluation

The consequences of pressure boundary failures are measured in terms of core damage and large early release frequency. The impact on these measures due to both direct and indirect effects was considered.

A review of the license basis of St. Lucie (Final Safety Analysis Report Amendment No. 14) and the IPE Internal Events Methodology was performed to determine the potential impact of the indirect effects of pipe leak or rupture inside containment. As a result of the review, it was concluded that the containment structure and the safety related components inside containment are adequately protected from pipe failures such that the effects of a failure are limited to direct effects. Table 3.3-1 summarizes the postulated consequences for each system.

### 3.4 Failure Assessment

Failure estimates were generated utilizing industry failure history, plant specific failure history and other industry relevant information.

The engineering team that performed this evaluation used WinPRAISE, a Microsoft Windows based version of the PRAISE code used as the benchmark for SRRA in WCAP-14572 Supplement 1. The failure rate for each segment was based on an aggregate condition, utilizing a combination of the highest individual values of each parameter input to the calculation.

Table 3.4-1 summarizes the failure probability estimates for the dominant potential failure mechanism(s)/combination(s) by system. Table 3.4-1 also describes why the failure mechanisms could occur at various locations within the system. Full break cases are shown only when pipe whip is of concern.

No augmented inspections are performed for the Class 1 piping.

### 3.5 Risk Evaluation

Each piping segment within the scope of the program was evaluated to determine its CDF and LERF due to the postulated piping failure. Calculations were also performed with and without operator action.

Once this evaluation was completed, the total pressure boundary core damage frequency and large early release frequency were calculated by summing across the segments for each system. The results of these calculations are presented in Table 3.5-1. The expected value for core damage frequency due to piping failure without operator action is  $1.342E-04$ /year, and with operator action  $1.342E-04$ /year. The expected value for large early release frequency due to piping failure without operator action  $1.342E-06$ /year, and with operator action is  $1.342E-06$ /year. Based on the insights gained from the previous uncertainty analysis and the sensitivity studies performed to address peer review comments, this evaluation did not include a 5<sup>th</sup> and 95<sup>th</sup> percentile uncertainty analysis.

To assess safety significance, the risk reduction worth (RRW) importance measures were calculated for each piping segment.

### 3.6 Expert Panel Categorization

Initially, the final safety determination (i.e., high and low safety significance) of each piping segment was made by the expert panel using both probabilistic and deterministic insights. The expert panel was comprised of personnel who have expertise in the following fields: probabilistic safety assessment, inservice examination, nondestructive examination, stress, material considerations, plant operations, plant and industry maintenance, repair, and failure history, system design and operation, and SRRA methods including uncertainty. Maintenance Rule Expert Panel members were used to ensure consistency with the other PSA applications.

The expert panel had the following positions represented during the expert panel meeting.

- Probabilistic Safety Assessment (PSA engineer)
- Maintenance Rule (Chairman)
- Operations (Senior Reactor Operator)
- Inservice Inspection (ISI&NDE)
- Plant & Industry Maintenance, Repair, and Failure History (System Engineer)
- Materials Engineer
- Stress Engineer

A minimum of 4 members filling the above positions constituted a quorum. This core team of panel members was supplemented by other experts, including a piping stress engineer, as required for the piping system under evaluation.

The System and Component Engineering Manager is the chairman of the expert panel. The Maintenance Rule Administrator may act as alternate chairman.

Members received training and indoctrination in the risk-informed inservice inspection selection process. They were indoctrinated in the application of risk analysis techniques for ISI. These techniques included risk importance measures, threshold values, failure probability models, failure mode assessments, PSA modeling limitations, and the use of expert judgment. Training documentation is maintained with the expert panel's records.

Worksheets were provided to the panel containing information pertinent to the panel's selection process. This information, in conjunction with each panel member's own expertise and other documents, as appropriate, were used to determine the safety significance of each piping segment.

Meeting minute records were generated. The minutes included the names of members in attendance and whether a quorum was present. The minutes contained relevant discussion summaries and the results of membership voting.

There were no significant changes identified during this revision to warrant reconvening an expert panel.

### 3.7 Identification of High Safety Significant Segments

The number of high safety significant segments for each system, as determined by the expert panel, is shown in Table 3.7-1 along with a summary of the risk evaluation identification of high safety significant segments.

### 3.8 Structural Element and NDE Selection

The structural elements in the high safety significant piping segments were selected for inspection and appropriate non-destructive examination methods were defined.

The program being submitted addresses the high safety significant (HSS) piping components placed in regions 1 and 2 of Figure 3.7-1 and described in Section 3.7.1 in WCAP-14572, A-Version. Region 3 piping components, which are low safety significant, are to be considered in an owner defined program and is not considered part of the program requiring NRC approval. Region 1, 2, 3 and 4 piping components will continue to receive Code required pressure testing, as part of the current ASME Section XI program. For the 202 piping segments that were evaluated in the RI-ISI program, Region 1B contains 9 segments, Region 2 contains 2 segments, no segments are contained in Region 3, and Region 4 contains 194 segments.

The number of locations to be inspected in applicable HSS segments was determined using a selection process based on that described in EPRI Topical Report TR-112657 Rev. B-A, approved in a Safety Evaluation Report dated October 28, 1999 and on current ASME Section XI criteria. The process selected 25% of the elements in each High Safety Significance segment. This resulted in the selection of 27.7% of the total population of elements in the High Safety Significance segments.

Table 4.1-1 in WCAP-14752, A-Version, was used as guidance in determining the examination requirements for the HSS piping segments. VT-2 visual examinations are scheduled in accordance with the station's pressure test program, which remains unaffected by the risk-informed inspection program.

#### Additional Examinations

The risk-informed inspection program in all cases will determine, through an engineering evaluation, the root cause of any unacceptable flaw or relevant condition found during examination. The evaluation will include the applicable service conditions and degradation mechanisms to establish that the element(s) will still perform their intended safety function during subsequent operation. Elements not meeting this requirement will be repaired or replaced.

The evaluation will include whether other elements on the segment or segments are subject to the same root cause and degradation mechanism. Additional examinations will be performed on these elements up to a number equivalent to the number of elements initially required to be inspected on the segment or segments. If unacceptable flaws or relevant conditions are again found similar to the initial problem, the remaining elements identified as susceptible will be examined. No additional examinations will be performed if there are no additional elements identified as being susceptible to the same service related root cause conditions or degradation mechanism. Sample expansions will be completed within the outage that the flaw or relevant condition was identified.

### 3.9 Program Relief Requests

An attempt shall be made to provide a minimum of >90% coverage criteria (per ASME Code Case N-460) when performing an exam. Some limitations will not be known until the examination is performed, since some locations will be examined for the first time by the specified techniques.

In instances where it may be found at the time of the examination that a location does not meet >90% coverage, the process outlined in Section 4.0 (Inspection Program Requirements) of WCAP-14572, A-Version will be followed.

### 3.10 Change in Risk



The Risk-Informed ISI program has been done in accordance with Regulatory Guide 1.174, and the risk from implementation of this program is expected to remain constant when compared to that estimated from current requirements.

A comparison between the proposed RI-ISI program and the current ASME Section XI ISI program was made to evaluate the change in risk. The approach evaluated the change in risk with the inclusion of inservice inspections with a "good" probability of detection in the WinPRAISE model and followed the guidelines provided on page 213 of WCAP-14572.

The results from the risk comparison are shown in Table 3.10-1. As seen from the table, the overall RI-ISI program maintains the risk associated with piping CDF/LERF, with respect to the current Section XI program, while reducing the number of examinations. The primary basis for being able to maintain risk with a reduced number of examinations is that exams are now being placed on piping segments that are high safety significant, and in some cases elements are inspected that are not inspected by NDE in the current ASME Section XI ISI program.

#### Defense-In-Depth

The reactor coolant piping will continue to receive a system leakage test and visual VT-2 examination as currently required by the Code. Volumetric examinations will also continue on the main reactor coolant piping as part of the RI-ISI program (segments categorized HSS). These locations, which include main loop and pressurizer surge line piping welds determined by the RI-ISI program for St. Lucie Unit 2, assure that "defense-in-depth" is maintained. No additional inspection locations are required to meet "defense-in-depth".

#### 4. IMPLEMENTATION AND MONITORING PROGRAM

Upon approval of the RI-ISI program, procedures that comply with the guidelines described in WCAP-14572, A-Version, will be prepared to implement and monitor the program. The new program will be integrated into the existing ASME Section XI interval. No changes to the Technical Specifications or the Final Safety Analysis Report are necessary for program implementation.

The applicable aspects of the Code not affected by this change would be retained, such as inspection methods, acceptance guidelines, pressure testing, corrective measures, documentation requirements, and quality control requirements. Existing ASME Section XI program implementing procedures would be retained and would be modified to address the RI-ISI process, as appropriate. Additionally, the procedures will be modified to include the high safety significant locations in the program.

The proposed monitoring and corrective action program will contain the following elements:

- A. Identify
- B. Characterize
- C. Evaluate
  - (1) Evaluate, determine the cause and extent of the condition identified
  - (2) Evaluate, develop a corrective action plan or plans
- D. Decide
- E. Implement
- F. Monitor
- G. Trend

The RI-ISI program is a living program requiring feedback of new relevant information to ensure the appropriate identification of high safety significant piping locations. As a minimum, risk ranking of piping

segments will be reviewed and adjusted on an ASME Section XI inspection period basis. Significant changes may require more expedited adjustment as directed by NRC Bulletin or Generic Letter requirements, or by plant specific feedback.

## 5. PROPOSED ISI PROGRAM PLAN CHANGE

A comparison between the RI-ISI program and the current ASME Section XI program requirements for piping is given in Table 5-1. The plant will be performing examinations on elements not currently required to be examined by ASME Section XI. The current ASME Section XI program selects a prescribed percentage of examinations without regard to safety significance. The RI-ISI program focuses examinations on those high safety significant segments and subsequently examinations are required on inspection elements not currently scheduled for examination by the ASME Section XI program.

The Risk Informed program was approved by SER dated April 25, 2003 (TAC No. MB5698). The program will continue in the third interval which begins August, 8, 2003.

## 6. SUMMARY OF RESULTS AND CONCLUSIONS

A partial scope Class 1 risk-informed ISI application has been completed for Unit 2. Upon review of the proposed risk-informed ISI examination program given in Table 5-1, an appropriate number of examinations are proposed for the high safety significant segments across the Class 1 portions of the plant piping systems. Resources to perform examinations currently required by ASME Section XI in the Class 1 portions of the plant piping systems, though reduced, are distributed to address the greatest amount of risk within the scope. Thus, the change in risk principle of Regulatory Guide 1.174 is maintained. Additionally, the examinations performed will address specific damage mechanisms postulated for the selected locations through appropriate examination selection and increased volume of examination.

The construction permit for St. Lucie Unit 2 was issued May 1977. The plant is designed to ASME Section III for the Class 1 piping. The ASME Section III design provides an improved level of fatigue analysis and operating conditions scrutiny when compared to older vintage plants. This results in a larger percentage of the reactor coolant system piping constructed with butt welds as opposed to socket welds and more detailed information is available for input to the estimation of the failure probability.

From a risk perspective, the PRA dominant accident sequences include: small LOCA; loss of offsite power; and large LOCA.

For the RI-ISI program, appropriate sensitivity and uncertainty evaluations have been performed to address variations in piping failure probabilities and PRA consequence values along with consideration of deterministic insights to assure that all high safety significant piping segments have been identified.

As a risk-informed application, this submittal meets the intent and principles of Regulatory Guide 1.174.

## 7. REFERENCES/DOCUMENTATION

WCAP-14572, Revision 1-NP-A, "Westinghouse Owners Group Application of Risk-Informed Methods to Piping Inservice Inspection Topical Report," February 1999

Calculation Number PSL-BFJR-98-004, Revision 2, "St. Lucie Units 1 & 2 Baseline EOOS Models.

St. Lucie Units 1 & 2 Individual Plant Examination Submittal, Revision 0, dated December, 1993.

St. Lucie Unit 2 Probabilistic Safety Assessment Update Revision 0, 1996.

Procedure RRAG-GEN-002, "PSA Update and Maintenance Procedure, Revision 3, Dated November 9, 1998.

Calculation Number PSL-BFJR-96-007, Revision 5, "Documentation of St. Lucie Pre-evaluated Maintenance Risk Assessments (PREMRA's)"

Risk & Reliability Software developed for the Electric Power Industry under sponsorship of EPRI, the Electric Power Research Institute.

NURELMCS, SCIENTECH, Version 2.20, Revision 1.8

Supporting Onsite Documentation

The onsite documentation is contained within the following Engineering Evaluations:

PSL-ENG-SEOS-01-002, "St. Lucie Unit 2 Risk-Informed ISI Program Development Analysis"

PSL-ENG-SEOS-01-003, "St. Lucie Unit 2 Risk-Informed ISI Program – Failure Analysis"

PSL-ENG-SEOS-01-004, "St. Lucie Unit 2 Risk-Informed ISI Program – Consequence Quantification"

<b>Table 3.1-1</b>			
<b>System Selection and Segment Definition for Class 1 Piping</b>			
<b>System Description</b>	<b>PRA</b>	<b>Section XI</b>	<b>Number of Segments</b>
CH - Chemical & Volume Control	Yes	Yes	20
RC - Reactor Coolant <sup>1</sup>	Yes	Yes	123
SI - Safety Injection <sup>1,2</sup>	Yes	Yes	59
Total			202
<b>Notes:</b>			
1. Includes shutdown cooling flowpaths.			
2. Includes flow paths for high pressure safety injection, low pressure safety injection, and the passive accumulator in portions of SI.			

<b>Table 3.3-1</b>	
<b>Summary of Postulated Consequences by System</b>	
<b>System</b>	<b>Summary of Consequences</b>
CH – Chemical & Volume Control	The direct consequences postulated from piping failures in this system are: loss of auxiliary pressurizer spray flow path; loss of one or more trains for charging; and small-small loss of coolant accident (LOCA).
RC – Reactor Coolant	The direct consequences associated with piping failures are: large, small, and/or small-small LOCAs; loss of safety injection tank flow path; loss of cold or hot leg injection flow path; loss of alternate injection flow path; loss of auxiliary pressurizer spray flow path; loss of one or more charging flow paths; and loss of identified instrumentation; loss of shutdown cooling flowpath.
SI – Safety Injection	The direct consequences associated with piping failures are: loss of safety injection tank flow path; loss of low pressure safety injection (LPSI) flowpath; loss of cold or hot leg injection flow path; loss of alternate injection flowpath; piping break outside primary containment; large and/or small-small LOCAs; loss of suction to LPSI pump; loss of identified instrumentation; loss of shutdown cooling flowpath..

<b>Table 3.4-1 Failure Probability Estimates (without ISI)</b>			
System	Dominant Potential Degradation Mechanism(s)/ Combination(s)	Failure Probability Range (Small Leak Probability @ 40 years, no ISI)	Comments
CH	-Fatigue	2.01E-12 – 6.80E-09	The charging path to the applicable RCS loop is potentially susceptible to thermal fatigue
RC	-Fatigue	1.66E-14 – 4.82E-06	Fatigue at instrument line connections to main loop.
	-Thermal Transients	5.67E-14 – 2.85E-03	Piping where large thermal transients could occur: pressurizer surge line and charging nozzles
	-Thermal and Vibratory Fatigue	1.4E-06 – 4.6E-05	The piping is located on the RCP pump or seal housing and is potentially subject to vibration.
SI	- Fatigue	1.85E-15 – 2.07E-11	Piping in flow path of alternate injection and SIT is potentially susceptible to thermal fatigue.
	- Thermal Transients	8.21E-15 – 5.83E-14	Potential piping locations where thermal transients could occur in injection lines.

<b>Table 3.5-1 Number of Segments and Piping Risk Contribution by System (without ISI)</b>					
System	# of Segments	CDF without Operator Action (yr)	CDF with Operator Action (yr)	LERF without Operator Action (yr)	LERF with Operator Action (yr)
CH	20	3.347E-11	3.249E-11	3.347E-13	3.249E-13
RC	123	1.342E-04	1.342E-04	1.342E-06	1.342E-06
SI	59	2.382E-16	2.002E-16	2.382E-18	2.002E-18
TOTAL	202	1.342E-04	1.342E-04	1.342E-06	1.342E-06

**Table 3.7-1  
Summary of Risk Evaluation and Expert Panel Categorization Results**

System	Number of segments with any RRW > 1.005	Number of segments with any RRW between 1.005 and 1.001	Number of segments with all RRW < 1.001	Number of segments with any RRW between 1.005 and 1.001 placed in HSS	Number of segments with all RRW < 1.001 selected for inspection	Total number of segments selected for inspection (High Safety Significant Segments)
CH	0	0	20	0	0	0
RC	9	3	111	2	0	11
SI	0	0	59	0	0	0
Total	9	3	190	2	0	11

**Table 3.10-1  
COMPARISON OF CDF/LERF FOR CURRENT SECTION XI  
AND RISK-INFORMED ISI PROGRAMS**

Case	Current Section XI	Risk-Informed
<u>CDF No Operator Action</u>	<u>1.150E-04</u>	<u>1.148E-04</u>
• CH	2.048E-11	3.347E-11
• RC	1.150E-04	1.148E-04
• SI	4.162E-17	2.382E-16
<u>CDF with Operator Action</u>	<u>1.150E-04</u>	<u>1.148E-04</u>
• CH	1.957E-11	3.249E-11
• RC	1.150E-04	1.148E-04
• SI	3.679E-18	2.002E-16
<u>LERF No Operator Action</u>	<u>1.150E-06</u>	<u>1.148E-06</u>
• CH	2.048E-13	3.347E-13
• RC	1.150E-06	1.148E-06
• SI	4.162E-19	2.382E-18
<u>LERF with Operator Action</u>	<u>1.150E-06</u>	<u>1.148E-06</u>
• CH	1.957E-13	3.249E-13
• RC	1.150E-06	1.148E-06
• SI	3.679E-20	2.002E-18

Table 5-1

**STRUCTURAL ELEMENT SELECTION  
 RESULTS AND COMPARISON TO ASME SECTION XI  
 1998 A2000 REQUIREMENTS**

System	Number of High Safety Significant Segments (No. of HSS in Aug. Program / Total No. of Segments in Aug. Program)	Degradation Mechanism(s)	Class	ASME Code Category	Weld Count		ASME XI Examination Methods (Volumetric (Vol) and Surface (Sur))		RI-ISI	
					Butt	Socket	Vol & Sur	Sur Only	SES Matrix Region	Number of Exam Locations
CH	0	Thermal Fatigue	1	B-F	0	0	0	0	-	0
				B-J	35	120	0	84		
RC	11 (0/0)	Thermal Fatigue, Thermal Transients, Vibration Fatigue	1	B-F	6	0	3	3	1, 2	0 volumetric
				B-J	182	15	59	29		24 volumetric
SI	0	Thermal Fatigue, Thermal Transients	1	B-F	0	0	0	0	-	0
				B-J	184	22	24	5		
TOTAL	11 (0/0)		CL. 1	B-F	6	0	3	3		0 NDE
				B-J	401	157	83	118		24 NDE
TOTAL					407	157	86	121		24 NDE

*Summary: Current ASME Section XI selects a total of 86 non-destructive exams (surface only exams not included), while the proposed RI-ISI program selects a total of 24 non-destructive exams. This results in a 73% reduction of non-destructive exams.*

**General Notes:**

- 1-System pressure test requirements and VT-2 visual examinations shall continue to be performed in ASME Class 1 systems.
- 2-1998 A2000, Table IWB-2500-1, Category B-J, now includes piping dissimilar metal piping welds. These welds were considered Category B-F, item #'s 5.130 & 5.140 under 1989 ASME Section XI Table IWB-2500-1 (used for the previously approved submittal).

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**Proposed Alternative  
In Accordance with 10 CFR 50.55a(a)(3)(I)**

**--Alternative Provides Acceptable Level of Quality and Safety--**

**1. ASME Code Component(s) Affected**

Class 1 and 2, Pressure Retaining Piping Welds subject to Ultrasonic (UT) examination using procedures, personnel, and equipment qualified to ASME Section XI, 1998 Edition, 2000 Addenda, Appendix VIII, Supplement 10.

**2. Applicable Code Edition and Addenda**

The Code of record for St. Lucie Units 2 is the 1998 Edition with 2000 Addenda of ASME Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components."

**3. Applicable Code Requirements**

Pursuant to 10CFR 50.55a (a)(3)(i), Florida Power and Light Company (FPL) requests approval to use alternatives to the requirements within ASME Section XI, 1998 Edition 2000 Addenda, Appendix VIII, Supplement 10, Qualification Requirements for Dissimilar Metal Piping Welds. The following paragraphs referenced and statements identify the specific requirements that are included in this request for relief.

Item 1 - Paragraph 1.1(b) states in part - Pipe diameters within a range of 0.9 to 1.5 times a nominal diameter shall be considered equivalent.

Item 2 - Paragraph 1.1(d) states - All flaws in the specimen set shall be cracks.

Item 3 - Paragraph 1.1(d)(1) states - At least 50% of the cracks shall be in austenitic material. At least 50% of the cracks in austenitic material shall be contained wholly in weld or buttering material. At least 10% of the cracks shall be in ferritic material. The remainder of the cracks may be in either austenitic or ferritic material.

Item 4 - Paragraph 1.2(b) states in part - The number of unflawed grading units shall be at least twice the number of flawed grading units.



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Item 5 - Paragraphs 1.2(c)(1) and 1.3(c) state in part - At least 1/3 of the flaws, rounded to the next higher whole number, shall have depths between 10% and 30% of the nominal pipe wall thickness. Paragraph 1.4(b) distribution table requires 20% of the flaws to have depths between 10% and 30%.

Item 6 - Paragraph 2.0 first sentence states - The specimen inside surface and identification shall be concealed from the candidate.

Item 7 - Paragraph 2.2(b) states in part - The regions containing a flaw to be sized shall be identified to the candidate.

Item 8 - Paragraph 2.2(c) states in part - For a separate length sizing test, the regions of each specimen containing a flaw to be sized shall be identified to the candidate.

Item 9 - Paragraph 2.3(a) states - For the depth sizing test, 80% of the flaws shall be sized at a specific location on the surface of the specimen identified to the candidate.

Item 10 - Paragraph 2.3(b) states - For the remaining flaws, the regions of each specimen containing a flaw to be sized shall be identified to the candidate. The candidate shall determine the maximum depth of the flaw in each region.

Item 11 - Table VIII-S2-1 provides the false call criteria when the number of unflawed grading units is at least twice the number of flawed grading units.

#### **4. Reason for Request**

FPL requests relief to use the following alternative requirements for implementation of Appendix VIII, Supplement 10 requirements. These alternatives will be implemented through the Performance Demonstration Initiative (PDI) Program.

A copy of the proposed revision to Supplement 10 is attached. The Table identifies the proposed alternatives and allows them to be viewed in context. It also identifies additional clarifications and enhancements for information. The proposed revision has been submitted to the ASME Code for consideration and as of April 2003 had been approved by the Main committee.

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**5. Proposed Alternatives and Basis for Use**

Item 1 - The proposed alternative to Paragraph 1.1(b) states:

**"The specimen set shall include the minimum and maximum pipe diameters and thicknesses for which the examination procedure is applicable. Pipe diameters within a range of 1/2 in. (13 mm) of the nominal diameter shall be considered equivalent. Pipe diameters larger than 24 in. (610 mm) shall be considered to be flat. When a range of thicknesses is to be examined, a thickness tolerance of  $\pm 25\%$  is acceptable."**

**Technical Basis - The change in the minimum pipe diameter tolerance from 0.9 times the diameter to the nominal diameter minus 0.5 inch provides tolerances more in line with industry practice. The alternative is less stringent for small diameter pipe because they typically have a thinner wall thickness than larger diameter piping. A thinner wall thickness results in shorter sound path distances that reduce the detrimental effects of the curvature. This change maintains consistency between Supplement 10 and the recent revision to Supplement 2.**

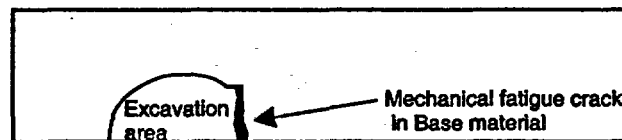
Item 2 - The proposed alternative to Paragraph 1.1(d) states:

**"At least 60% of the flaws shall be cracks, the remainder shall be alternative flaws. Specimens with IGSCC shall be used when available. Alternative flaws, if used, shall provide crack-like reflective characteristics and shall be limited to the case where implantation of cracks produces spurious reflectors that are uncharacteristic of actual flaws. Alternative flaw mechanisms shall have a tip width of less than or equal to 0.002 in. (.05 mm). Note, to avoid confusion the proposed alternative modifies instances of the term "cracks" or "cracking" to the term "flaws" because of the use of alternative flaw mechanisms."**

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Technical Basis - As illustrated below, implanting a crack requires excavation of the base material on at least one side of the flaw. While this may be satisfactory for ferritic materials, it does not produce a useable axial flaw in austenitic materials because the sound beam, which normally passes only through base material, must now travel through weld material on at least one side, producing an unrealistic flaw response. In addition, it is important to preserve the dendritic structure present in field welds that would otherwise be destroyed by the implantation process. To resolve these issues, the proposed alternative allows the use of up to 40% fabricated flaws as an alternative flaw mechanism under controlled conditions. The fabricated flaws are isostatically compressed which produces ultrasonic reflective characteristics similar to tight cracks.



Item 3 - The proposed alternative to Paragraph 1.1(d)(1) states:

**"At least 80% of the flaws shall be contained wholly in weld or buttering material. At least one and a maximum of 10% of the flaws shall be in ferritic base material. At least one and a maximum of 10% of the flaws shall be in austenitic base material."**

Technical Basis - Under the 1998 Edition with 2000 Addenda, as few as 25% of the flaws are contained in austenitic weld or buttering material. Recent experience has indicated that flaws contained within the weld are the likely scenarios. The metallurgical structure of austenitic weld material is ultrasonically more challenging than either ferritic or austenitic base material. The proposed alternative is therefore more challenging than the current Code.

Item 4 - The proposed alternative to Paragraph 1.2(b) states:

**"Detection sets shall be selected from Table VIII-S10-1. The number of unflawed grading units shall be at least one and a half times the number of flawed grading units."**

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Technical Basis - Table S10-1 provides a statistically based ratio between the number of unflawed grading units and the number of flawed grading units. The proposed alternative reduces the ratio to 1.5 times to reduce the number of test samples to a more reasonable number from the human factors perspective. However, the statistical basis used for screening personnel and procedures is still maintained at the same level with competent personnel being successful and less skilled personnel being unsuccessful. The acceptance criteria for the statistical basis are in Table VIII-S10-1.

Item 5 - The proposed alternative to the flaw distribution requirements of Paragraphs 1.2(c)(1) (detection) and 1.3(c) (length) is to use the Paragraph 1.4(b) (depth) distribution table (see below) for all qualifications.

Flaw Depth (% Wall Thickness)	Minimum Number of Flaws
10-30%	20%
31-60%	20%
61-100%	20%

Technical Basis - The proposed alternative uses the depth sizing distribution for both detection and depth sizing because it provides for a better distribution of flaw sizes within the test set. This distribution allows candidates to perform detection, length, and depth sizing demonstrations simultaneously utilizing the same test set. The requirement that at least 75% of the flaws shall be in the range of 10 to 60% of wall thickness provides an overall distribution tolerance yet the distribution uncertainty decreases the possibilities for testmanship that would be inherent to a uniform distribution. It must be noted that it is possible to achieve the same distribution utilizing the present requirements, but it is preferable to make the criteria consistent.

Item 6 - The proposed alternative to Paragraph 2.0 first sentence states:

**“For qualifications from the outside surface, the specimen inside surface and identification shall be concealed from the candidate. When qualifications are performed from the inside surface, the flaw location and specimen identification shall be obscured to maintain a “blind test”.”**

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Technical Basis - The 1998 Edition with 2000 Addenda requires that the inside surface be concealed from the candidate. This makes qualifications conducted from the inside of the pipe (e.g., PWR nozzle to safe end welds) impractical. The proposed alternative differentiates between ID and OD scanning surfaces, requires that they be conducted separately, and requires that flaws be concealed from the candidate. This is consistent with the recent revision to Supplement 2.

Items 7 and 8 - The proposed alternatives to Paragraphs 2.2(b) and 2.2(c) state:

"... containing a flaw to be sized may be identified to the candidate."

Technical Basis - The 1998 Edition with 2000 Addenda requires that the regions of each specimen containing a flaw to be length sized shall be identified to the candidate. The candidate shall determine the length of the flaw in each region (Note, that length and depth sizing use the term "regions" while detection uses the term "grading units" - the two terms define different concepts and are not intended to be equal or interchangeable). To ensure security of the samples, the proposed alternative modifies the first "shall" to a "may" to allow the test administrator the option of not identifying specifically where a flaw is located. This is consistent with the recent revision to Supplement 2.

Items 9 and 10 - The proposed alternative to Paragraphs 2.3(a) and 2.3(b) state:

"... regions of each specimen containing a flaw to be sized may be identified to the candidate."

Technical Basis - The 1998 Edition with 2000 Addenda requires that a large number of flaws be sized at a specific location. The proposed alternative changes the "shall" to a "may" which modifies this from a specific area to a more generalized region to ensure security of samples. This is consistent with the recent revision to Supplement 2. It also incorporates terminology from length sizing for additional clarity.

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Item 11 - The proposed alternative modifies the acceptance criteria of Table VIII-S2-1 as follows:

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**TABLE VIII-S2-1  
PERFORMANCE DEMONSTRATION DETECTION TEST  
ACCEPTANCE CRITERIA**

Detection Test Acceptance Criteria		False Call Test Acceptance Criteria	
No. of Flawed Grading Units	Minimum Detection Criteria	No. of Unflawed Grading Units	Maximum Number of False Calls
<del>5</del>	5	<del>10</del>	<del>0</del>
<del>6</del>	6	<del>12</del>	<del>1</del>
<del>7</del>	6	<del>14</del>	<del>1</del>
<del>8</del>	7	<del>16</del>	<del>2</del>
<del>9</del>	7	<del>18</del>	<del>2</del>
10	8	20- 15	3- 2
11	9	22- 17	3- 3
12	9	24- 18	3- 3
13	10	26- 20	4- 3
14	10	28- 21	5- 3
15	11	30- 23	5- 3
16	12	32- 24	6- 4
17	12	34- 26	6- 4
18	13	36- 27	7- 4
19	13	38- 29	7- 4
20	14	40- 30	8- 5

Technical Basis - The proposed alternative is identified as new Table S10-1 above. It was modified to reflect the reduced number of unflawed grading units and allowable false calls. As a part of ongoing Code activities, Pacific Northwest National Laboratory (PNNL) has reviewed the statistical significance of these revisions and offered the revised Table S10-1.

Compliance with the proposed alternatives will provide an adequate level of quality and safety for examination of the affected welds.

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**6. Duration of Proposed Alternative**

FPL will implement the alternative requirements during the third 10-year Inservice Inspection interval at PSL-2.

**7. Attachments to the Relief**

Proposed Revision to Supplement 10-Qualification Requirements for Dissimilar Metal Welds

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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
	<b>1.0 SCOPE</b>	
	Supplement 10 is applicable to dissimilar metal piping welds examined from either the inside or outside surface. Supplement 10 is not applicable to piping welds containing supplemental corrosion resistant clad (CRC) applied to mitigate Intergranular Stress Corrosion Cracking (IGSCC).	A scope statement provides added clarity regarding the applicable range of each individual Supplement. The exclusion of CRC provides consistency between Supplement 10 and the recent revision to Supplement 2 (Reference BC 00-755). Note, an additional change identifying CRC as "in course of preparation" is being processed separately.
<b>1.0 SPECIMEN REQUIREMENTS</b>	<b>2.0 SPECIMEN REQUIREMENTS</b>	Renumbered
Qualification test specimens shall meet the requirements listed herein, unless a set of specimens is designed to accommodate specific limitations stated in the scope of the examination procedure (e.g., pipe size, weld joint configuration, access limitations). The same specimens may be used to demonstrate both detection and sizing qualification.	Qualification test specimens shall meet the requirements listed herein, unless a set of specimens is designed to accommodate specific limitations stated in the scope of the examination procedure (e.g., pipe size, weld joint configuration, access limitations). The same specimens may be used to demonstrate both detection and sizing qualification.	No Change
<b>1.1 General.</b> The specimen set shall conform to the following requirements.	<b>2.1 General.</b> The specimen set shall conform to the following requirements.	Renumbered
	(a) The minimum number of flaws in a test set shall be ten.	New, changed minimum number of flaws to 10 so sample set size for detection is consistent with length and depth sizing.
(a) Specimens shall have sufficient volume to minimize spurious reflections that may interfere with the interpretation process.	(b) Specimens shall have sufficient volume to minimize spurious reflections that may interfere with the interpretation process.	Renumbered



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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
(b) The specimen set shall include the minimum and maximum pipe diameters and thicknesses for which the examination procedure is applicable. Pipe diameters within a range of 0.9 to 1.5 times a nominal diameter shall be considered equivalent. Pipe diameters larger than 24 in. shall be considered to be flat. When a range of thicknesses is to be examined, a thickness tolerance of $\pm 25\%$ is acceptable.	(c) The specimen set shall include the minimum and maximum pipe diameters and thicknesses for which the examination procedure is applicable. Pipe diameters within a range of 1/2 in. (13 mm) of the nominal diameter shall be considered equivalent. Pipe diameters larger than 24 in. (610 mm) shall be considered to be flat. When a range of thicknesses is to be examined, a thickness tolerance of $\pm 25\%$ is acceptable.	Renumbered, metricated, the change in pipe diameter tolerance provides consistency between Supplement 10 and the recent revision to Supplement 2 (Reference BC 00-755)
(c) The specimen set shall include examples of the following fabrication condition:	(d) The specimen set shall include examples of the following fabrication conditions:	Renumbered, changed "condition" to "conditions"
(1) geometric conditions that normally require discrimination from flaws (e.g., counterbore or weld root conditions, cladding, weld buttering, remnants of previous welds, adjacent welds in close proximity);	(1) geometric and material conditions that normally require discrimination from flaws (e.g., counterbore or weld root conditions, cladding, weld buttering, remnants of previous welds, adjacent welds in close proximity, and weld repair areas);	Clarification, some of the items listed relate to material conditions rather than geometric conditions. Weld repair areas were added as a result of recent field experiences.
(2) typical limited scanning surface conditions (e.g., diametrical shrink, single-side access due to nozzle and safe end external tapers).	(2) typical limited scanning surface conditions (e.g., weld crowns, diametrical shrink, single-side access due to nozzle and safe end external tapers for outside surface examinations; and internal tapers, exposed weld roots, and cladding conditions for inside surface examinations). Qualification requirements shall be satisfied separately for outside surface and inside surface examinations.	Differentiates between ID and OD scanning surface limitations. Requires that ID and OD qualifications be conducted independently (Note, new paragraph 2.0 (identical to old paragraph 1.0) provides for alternatives when "a set of specimens is designed to accommodate specific limitations stated in the scope of the examination procedure.").
(d) All flaws in the specimen set shall be cracks.		Deleted this requirement, because new paragraph 2.3 below provides for the use of "alternative flaws" in lieu of cracks.

**St. Lucie Unit 2  
THIRD INSPECTION INTERVAL  
10CFR50.55a RELIEF REQUEST NUMBER 3**

<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
(1) At least 50% of the cracks shall be in austenitic material. At least 50% of the cracks in austenitic material shall be contained wholly in weld or buttering material. At least 10% of the cracks shall be in ferritic material. The remainder of the cracks may be in either austenitic or ferritic material.	<b>2.2 Flaw Location.</b> At least 80% of the flaws shall be contained wholly in weld or buttering material. At least one and a maximum of 10% of the flaws shall be in ferritic base material. At least one and a maximum of 10% of the flaws shall be in austenitic base material.	Renumbered and re-titled. Flaw location percentages redistributed because field experience indicates that flaws contained in weld or buttering material are probable and represent the more stringent ultrasonic detection scenario.
(2) At least 50% of the cracks in austenitic base material shall be either IGSCC or thermal fatigue cracks. At least 50% of the cracks in ferritic material shall be mechanically or thermally induced fatigue cracks.	<b>2.3 Flaw Type.</b> <b>(a)</b> At least 60% of the flaws shall be cracks, the remainder shall be alternative flaws. Specimens with IGSCC shall be used when available. Alternative flaws, if used, shall provide crack-like reflective characteristics and shall be limited to the case where implantation of cracks produces spurious reflectors that are uncharacteristic of actual flaws. Alternative flaw mechanisms shall have a tip width of less than or equal to 0.002 in. (.05 mm).	Renumbered and re-titled. Alternative flaws are required for placing axial flaws in the HAZ of the weld and other areas where implantation of a crack produces metallurgical conditions that result in an unrealistic ultrasonic response. This is consistent with the recent revision to Supplement 2 (Reference BC 00-755).  The 40% limit on alternative flaws is needed to support the requirement for up to 70% axial flaws. Metricated
(3) At least 50% of the cracks shall be coincident with areas described in (c) above.	<b>(b)</b> At least 50% of the flaws shall be coincident with areas described in 2.1(d) above.	Renumbered. Due to inclusion of "alternative flaws", use of "cracks" is no longer appropriate.

**St. Lucie Unit 2  
THIRD INSPECTION INTERVAL  
10CFR50.55a RELIEF REQUEST NUMBER 3**

<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>										
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>								
	<p><b>2.4 Flaw Depth.</b> All flaw depths shall be greater than 10% of the nominal pipe wall thickness. Flaw depths shall exceed the nominal clad thickness when placed in cladding. Flaws in the sample set shall be distributed as follows:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;"><u>Flaw Depth (% Wall Thickness)</u></th> <th style="text-align: left;"><u>Minimum Number of Flaws</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">10-30%</td> <td style="text-align: center;">20%</td> </tr> <tr> <td style="text-align: center;">31-60%</td> <td style="text-align: center;">20%</td> </tr> <tr> <td style="text-align: center;">61-100%</td> <td style="text-align: center;">20%</td> </tr> </tbody> </table> <p>At least 75% of the flaws shall be in the range of 10 to 60% of wall thickness.</p>	<u>Flaw Depth (% Wall Thickness)</u>	<u>Minimum Number of Flaws</u>	10-30%	20%	31-60%	20%	61-100%	20%	Moved from old paragraph 1.3(c) and 1.4 and re-titled. Consistency between detection and sizing specimen set requirements (e.g., 20% vs. 1/3 flaw depth increments, e.g., original paragraph 1.3(c))
<u>Flaw Depth (% Wall Thickness)</u>	<u>Minimum Number of Flaws</u>									
10-30%	20%									
31-60%	20%									
61-100%	20%									
<b>1.2 Detection Specimens.</b> The specimen set shall include detection specimens that meet the following requirements.		Renumbered and re-titled and moved to paragraph 3.1(a). No other changes								
(a) Specimens shall be divided into grading units. Each grading unit shall include at least 3 in. of weld length. If a grading unit is designed to be unflawed, at least 1 in. of unflawed material shall exist on either side of the grading unit. The segment of weld length used in one grading unit shall not be used in another grading unit. Grading units need not be uniformly spaced around the pipe specimen.		Renumbered to paragraph 3.1(a)(1). No other changes.								
(b) Detection sets shall be selected from Table VIII-S2-1. The number of unflawed grading units shall be at least twice the number of flawed grading units.		Moved to new paragraph 3.1(a)(2).								

St. Lucie Unit 2  
**THIRD INSPECTION INTERVAL**  
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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
(c) Flawed grading units shall meet the following criteria for flaw depth, orientation, and type.		Flaw depth requirements moved to new paragraph 2.4, flaw orientation requirements moved to new paragraph 2.5, flaw type requirements moved to new paragraph 2.3, "Flaw Type".
(1) All flaw depths shall be greater than 10% of the nominal pipe wall thickness. At least 1/3 of the flaws, rounded to the next higher whole number, shall have depths between 10% and 30% of the nominal pipe wall thickness. However, flaw depths shall exceed the nominal clad thickness when placed in cladding. At least 1/3 of the flaws, rounded to the next whole number, shall have depths greater than 30% of the nominal pipe wall thickness.		Deleted for consistency in sample sets. The depth distribution is the same for detection and sizing.
(2) At least 30% and no more than 70% of the flaws, rounded to the next higher whole number, shall be oriented axially. The remainder of the flaws shall be oriented circumferentially.	<b>2.5 Flaw Orientation.</b> (a) At least 30% and no more than 70% of the flaws, rounded to the next higher whole number, shall be oriented axially. The remainder of the flaws shall be oriented circumferentially.	Note, this distribution is applicable for detection and depth sizing. Paragraph 2.5(b)(1) requires that all length- sizing flaws be oriented circumferentially.
<b>1.3 Length Sizing Specimens.</b> The specimen set shall include length sizing specimens that meet the following requirements.		Renumbered and re-titled and moved to new paragraph 3.2
(a) All length sizing flaws shall be oriented circumferentially.		Moved, included in new paragraph 3.2(a)
(b) The minimum number of flaws shall be ten.		Moved, included in new paragraph 2.1 above

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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
(c) All flaw depths shall be greater than 10% of the nominal pipe wall thickness. At least 1/3 of the flaws, rounded to the next higher whole number, shall have depths between 10% and 30% of the nominal pipe wall thickness. However, flaw depth shall exceed the nominal clad thickness when placed in cladding. At least 1/3 of the flaws, rounded to the next whole number, shall have depths greater than 30% of the nominal pipe wall thickness.		Moved, included in new paragraph 2.4 above after revision for consistency with detection distribution
<b>1.4 Depth Sizing Specimens.</b> The specimen set shall include depth sizing specimens that meet the following requirements.		Moved, included in new paragraphs 2.1, 2.3, 2.4
(a) The minimum number of flaws shall be ten.		Moved, included in new paragraph 2.1
(b) Flaws in the sample set shall not be wholly contained within cladding and shall be distributed as follows:		Moved, potential conflict with old paragraph 1.2(c)(1); "However, flaw depths shall exceed the nominal clad thickness when placed in cladding.". Revised for clarity and included in new paragraph 2.4

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**THIRD INSPECTION INTERVAL**  
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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>												
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>										
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>Flaw Depth</b></td> <td style="width: 50%;"><b>Minimum</b></td> </tr> <tr> <td><u>(% Wall Thickness)</u></td> <td><u>Number of Flaws</u></td> </tr> <tr> <td>10-30%</td> <td>20%</td> </tr> <tr> <td>31-60%</td> <td>20%</td> </tr> <tr> <td>61-100%</td> <td>20%</td> </tr> </table> <p>The remaining flaws shall be in any of the above categories.</p>	<b>Flaw Depth</b>	<b>Minimum</b>	<u>(% Wall Thickness)</u>	<u>Number of Flaws</u>	10-30%	20%	31-60%	20%	61-100%	20%		Moved, included in paragraph 2.4 for consistent applicability to detection and sizing samples.
<b>Flaw Depth</b>	<b>Minimum</b>											
<u>(% Wall Thickness)</u>	<u>Number of Flaws</u>											
10-30%	20%											
31-60%	20%											
61-100%	20%											
	<b>(b) Sizing Specimen sets shall meet the following requirements.</b>	Added for clarity										
	<b>(1) All length-sizing flaws shall be oriented circumferentially.</b>	Moved from old paragraph 1.3(a)										
	<b>(2) Depth sizing flaws shall be oriented as in 2.5(a).</b>	Included for clarity. Previously addressed by omission (i.e., length, but not depth had a specific exclusionary statement)										
<b>2.0 CONDUCT OF PERFORMANCE DEMONSTRATION</b>	<b>3.0 CONDUCT OF PERFORMANCE DEMONSTRATION</b>	Renumbered										

**St. Lucie Unit 2  
THIRD INSPECTION INTERVAL  
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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
The specimen inside surface and identification shall be concealed from the candidate. All examinations shall be completed prior to grading the results and presenting the results to the candidate. Divulgence of particular specimen results or candidate viewing of unmasked specimens after the performance demonstration is prohibited.	<b>For qualifications from the outside surface, the specimen inside surface and identification shall be concealed from the candidate. When qualifications are performed from the inside surface, the flaw location and specimen identification shall be obscured to maintain a “blind test”. All examinations shall be completed prior to grading the results and presenting the results to the candidate. Divulgence of particular specimen results or candidate viewing of unmasked specimens after the performance demonstration is prohibited.</b>	Differentiate between qualifications conducted from the outside and inside surface.
<b>2.1 Detection Test. Flawed and unflawed grading units shall be randomly mixed</b>	<b>3.1 Detection Qualification.</b>	Renumbered, moved text to paragraph 3.1(a)(3)
	<b>(a) The specimen set shall include detection specimens that meet the following requirements.</b>	Renumbered, moved from old paragraph 1.2.
	<b>(1) Specimens shall be divided into grading units. Each grading unit shall include at least 3 in. (76 mm) of weld length. If a grading unit is designed to be unflawed, at least 1 in. (25 mm) of unflawed material shall exist on either side of the grading unit. The segment of weld length used in one grading unit shall not be used in another grading unit. Grading units need not be uniformly spaced around the pipe specimen.</b>	Renumbered, moved from old paragraph 1.2(a). Metricated. No other changes.

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THIRD INSPECTION INTERVAL  
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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
	(2) Detection sets shall be selected from Table VIII-S10-1. The number of unflawed grading units shall be at least one and a half times the number of flawed grading units.	Moved from old paragraph 1.2(b). Table revised to reflect a change in the minimum sample set to 10 and the application of equivalent statistical false call parameters to the reduction in unflawed grading units. Human factors due to large sample size.
	(3) flawed and unflawed grading units shall be randomly mixed.	Moved from old paragraph 2.1
	(b) Examination equipment and personnel are qualified for detection when personnel demonstrations satisfy the acceptance criteria of Table VIII S10-1 for both detection and false calls.	Moved from old paragraph 3.1. Modified to reflect the 100% detection acceptance criteria of procedures versus personnel and equipment contained in new paragraph 4.0 and the use of 1.5X rather than 2X unflawed grading units contained in new paragraph 3.1(a)(2). Note, the modified table maintains the screening criteria of the original Table VIII-S2-1.
<b>2.2 Length Sizing Test</b>	<b>3.2 Length Sizing Test</b>	Renumbered
(a) The length sizing test may be conducted separately or in conjunction with the detection test.	(a) Each reported circumferential flaw in the detection test shall be length sized.	Provides consistency between Supplement 10 and the recent revision to Supplement 2 (Reference BC 00-755).



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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
(b) When the length sizing test is conducted in conjunction with the detection test, and less than ten circumferential flaws are detected, additional specimens shall be provided to the candidate such that at least ten flaws are sized. The regions containing a flaw to be sized shall be identified to the candidate. The candidate shall determine the length of the flaw in each region.	(b) When the length sizing test is conducted in conjunction with the detection test, and less than ten circumferential flaws are detected, additional specimens shall be provided to the candidate such that at least ten flaws are sized. The regions containing a flaw to be sized may be identified to the candidate. The candidate shall determine the length of the flaw in each region.	Change made to ensure security of samples, consistent with the recent revision to Supplement 2 (Reference BC 00-755).  Note, length and depth sizing use the term "regions" while detection uses the term "grading units". The two terms define different concepts and are not intended to be equal or interchangeable.
(c) For a separate length sizing test, the regions of each specimen containing a flaw to be sized shall be identified to the candidate. The candidate shall determine the length of the flaw in each region.	(c) For a separate length sizing test, the regions of each specimen containing a flaw to be sized may be identified to the candidate. The candidate shall determine the length of the flaw in each region.	Change made to ensure security of samples, consistent with the recent revision to Supplement 2 (Reference BC 00-755).
	(d) Examination procedures, equipment, and personnel are qualified for length sizing when the RMS error of the flaw length measurements, as compared to the true flaw lengths, is less than or equal to 0.75 in. (19 mm).	Moved from old paragraph 3.2(a) includes inclusion of "when" as an editorial change. Metricated.
<b>2.3 Depth Sizing Test</b>	<b>3.3 Depth Sizing Test</b>	Renumbered

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THIRD INSPECTION INTERVAL  
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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
(a) For the depth sizing test, 80% of the flaws shall be sized at a specific location on the surface of the specimen identified to the candidate.	(a) The depth sizing test may be conducted separately or in conjunction with the detection test. For a separate depth sizing test, the regions of each specimen containing a flaw to be sized may be identified to the candidate. The candidate shall determine the maximum depth of the flaw in each region.	Change made to ensure security of samples, consistent with the recent revision to Supplement 2 (Reference BC 00-755).
(b) For the remaining flaws, the regions of each specimen containing a flaw to be sized shall be identified to the candidate. The candidate shall determine the maximum depth of the flaw in each region.	(b) When the depth sizing test is conducted in conjunction with the detection test, and less than ten flaws are detected, additional specimens shall be provided to the candidate such that at least ten flaws are sized. The regions of each specimen containing a flaw to be sized may be identified to the candidate. The candidate shall determine the maximum depth of the flaw in each region.	Change made to be consistent with the recent revision to Supplement 2 (Reference BC 00-755).  Changes made to ensure security of samples, consistent with the recent revision to Supplement 2 (Reference BC 00-755).
	(c) Examination procedures, equipment, and personnel are qualified for depth sizing when the RMS error of the flaw depth measurements, as compared to the true flaw depths, is less than or equal to 0.125 in. (3 mm).	Moved from old paragraph 3.2(b). Metricated.
<b>3.0 ACCEPTANCE CRITERIA</b>		Delete as a separate category. Moved to new paragraph detection (3.1) and sizing 3.2 and 3.3

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THIRD INSPECTION INTERVAL  
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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
<b>3.1 Detection Acceptance Criteria.</b> Examination procedures, equipment, and personnel are qualified for detection when the results of the performance demonstration satisfy the acceptance criteria of Table VIII-S2-1 for both detection and false calls.		Moved to new paragraph 3.1(b), reference changed to Table S10 from S2 because of the change in the minimum number of flaws and the reduction in unflawed grading units from 2X to 1.5X.
<b>3.2 Sizing Acceptance Criteria</b>		Deleted as a separate category. Moved to new paragraph on length 3.2 and depth 3.3
(a) Examination procedures, equipment, and personnel are qualified for length sizing the RMS error of the flaw length measurements, as compared to the true flaw lengths, is less than or equal to 0.75 inch.		Moved to new paragraph 3.2(d), included word “when” as an editorial change.
(b) Examination procedures, equipment, and personnel are qualified for depth sizing when the RMS error of the flaw depth measurements, as compared to the true flaw depths, is less than or equal to 0.125 in.		Moved to new paragraph 3.3(c)
	<b>4.0 PROCEDURE QUALIFICATION</b>	New

**St. Lucie Unit 2  
THIRD INSPECTION INTERVAL  
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<b>SUPPLEMENT 10 – QUALIFICATION REQUIREMENTS FOR DISSIMILAR METAL PIPING WELDS</b>		
<b>Current Requirement</b>	<b>Proposed Change</b>	<b>Reasoning</b>
	<p><b>Procedure qualifications shall include the following additional requirements.</b></p> <p><b>(a) The specimen set shall include the equivalent of at least three personnel sets. Successful personnel demonstrations may be combined to satisfy these requirements.</b></p> <p><b>(b) Detectability of all flaws within the scope of the procedure shall be demonstrated. Length and depth sizing shall meet the requirements of paragraph 3.1, 3.2 and 3.3.</b></p> <p><b>(c) At least one successful personnel demonstration has been performed.</b></p> <p><b>(d) To qualify new values of essential variables, at least one personnel qualification set is required. The acceptance criteria of 4.0(b) shall be met.</b></p>	<p><b>New. Based on experience gained in conducting qualifications, the equivalent of 3 personnel sets (i.e., a minimum of 30 flaws) is required to provide enough flaws to adequately test the capabilities of the procedure. Combining successful demonstrations allows a variety of examiners to be used to qualify the procedure. Detectability of each flaw within the scope of the procedure is required to ensure an acceptable personnel pass rate. The last sentence is equivalent to the previous requirements and is satisfactory for expanding the essential variables of a previously qualified procedure</b></p>

Florida Power and Light Company  
Nuclear Engineering Department  
Codes and Component Program Group  
Code Programs Section  
700 Universe Blvd.  
Juno Beach, Florida 33408

St. Lucie Nuclear Power Plant Unit 2

Third Inservice Inspection Interval

ISI Plan and Schedule

for

St. Lucie Nuclear Power Plant  
6501 South Highway A1A  
Jensen Beach, Florida 34957

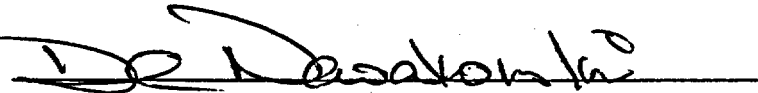
Commercial Service Date: August 8, 1983

NRC Docket Number: 50-389

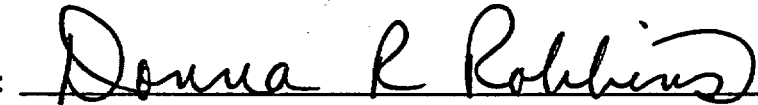
Document Number: ISI-PSL-2-Plan Rev. 0

Date: August 8, 2003

Prepared by:



Reviewed by:



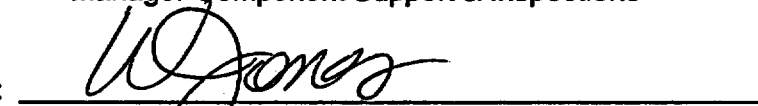
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**List of Effective Pages**

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<b>Appendix A</b>	<b>12 through 13</b>	<b>August 8, 2003</b>
<b>Appendix B</b>	<b>14 through 16</b>	<b>August 8, 2003</b>
<b>Appendix C</b>	<b>17 through 24</b>	<b>August 8, 2003</b>
<b>Appendix D</b>	<b>25 through 672</b>	<b>August 8, 2003</b>

Record of Revision

Rev. No.	Date	Reason for Revision
0	8/8/2003	Inservice Inspection Selected Component Schedule as required by ASME Section XI, IWA-2400 for the Third 10-Year Inservice Inspection Interval

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### Abstract

This document provides the Inservice Inspection Selected Component Plan and Schedule for the Third 10-Year Inservice Inspection Interval for the Florida Power & Light's (FPL) St. Lucie Nuclear Power Plant, Unit 2.

This document identifies those components and/or systems (including supports) selected for nondestructive examination which are classified ASME Code Class 1, Class 2, and Class 3 as set forth in the ASME Boiler and Pressure Vessel Code, Section XI, 1998 Edition with Addenda through 2000, to the extent practical within the limitations of design, geometry and materials of construction of the components as stated in 10 CFR 50.55a(b)(2).

Tables with each component selected for examination are included within this document. The Tables provide the Code classification, Code examination category, Code item number, component identification and description, examination method, and when it is scheduled to be examined.

## 1.0 Introduction

This document provides the Inservice Inspection Selected Component Schedule for the Third 10-Year Inservice Inspection Interval for St. Lucie Nuclear Power Plant, Unit 2.

The Commercial Service Date for St. Lucie Nuclear Power Plant Unit 2 was August 8, 1983.

### 1.1 Inspection Interval

The Third Inservice Inspection Interval becomes effective on August 8, 2003 and is scheduled to end on August 7, 2013.

### 1.2 Inspection Periods

The Third Inservice Inspection Interval is divided into three successive inspection periods as determined by calendar years of plant service within the interval. The period dates are identified in Table 1 of Section 1.5.4 of the ISI-PSL-2-Program.

### 1.3 Applicable Documents

The documents applicable to this ISI Plan and Schedule are listed in Section 16 in Document ISI-PSL-2-Program, latest revision.

## 2.0 Development of Inspection Plan and Schedule

This document provides the component schedule for inservice nondestructive examinations to be performed over the Third 10-Year Inservice Inspection Interval on Class 1, Class 2 and Class 3 components and their supports of Florida Power and Light Company's (FPL) St. Lucie Nuclear Power Plant Unit 2. Component and/or system selected for nondestructive examination are scheduled for examination in accordance with Section XI.

## 3.0 Nondestructive Examinations

Nondestructive examinations will be performed in accordance with established FPL nondestructive examination procedures and/or FPL approved vendor procedures which conform to the requirements of the FPL Quality Assurance Program and the applicable sections of the ASME Boiler and Pressure Vessel Code. A listing of nondestructive examination procedures applicable to the scheduled components is included in Appendix A. FPL approved vendor NDE Procedures will be identified as required, (example, Automated UT of RPV).

## 4.0 Weld/Support Location Maps

Weld/Support location maps indicating components, areas, weld locations, and other information pertinent to the performance of the inservice Nondestructive examinations are contained in Document ISI-PSL-2 Sketches, latest revision. A listing of weld/support location maps applicable to the scheduled components is included in Appendix B.

## 5.0 Ultrasonic Calibration Blocks

Ultrasonic calibration blocks for each component subject to volumetric examination is maintained at the plant site. A listing of applicable ultrasonic calibration blocks is included in Appendix C.

## 6.0 Scheduled Examination Tables

The Scheduled Examination Tables for Inservice examinations of major components of Florida Power and Light, St. Lucie Unit 2 Nuclear Power Station will be in a format similar to Figure 1.

### 6.1 Inspection Zones

Systems subject to examination have been divided into zones. Each zone is defined by a weld/support location map which identifies and locates all welds, supports, and other examination areas subject to and/or selected for examination within each zone.

### 6.2 Code Item Classification

For the sake of continuity and clarity, all items to which a Code category and Code item number can be applied are identified.

### 6.3 Inspection/Examination Table Contents

The Inservice Inspection/Examination Tables provide the following information:

#### 6.3.1 Program Summary Number

Each examination weld or component is assigned a unique summary number for the purpose of administrative control. This provides a uniform format identification for accessing multiple data bases relating to each examination.

#### 6.3.2 ASME Section XI Item Number

Listed in this column is the appropriate item number from Table IWB-2500-1, IWC-2500-1, IWD-2500-1 or IWF-2500-1, as applicable, of the ASME Boiler and Pressure Vessel Code, Section XI.

#### 6.3.3 Component Identification

The examination area identification is the unique component or weld identification number. This number also appears on the applicable ISI Weld/Support Location Map.

#### 6.3.4 Component Description

The examination area description is a brief description of the component or, in the case of a weld, the parts being joined.

**6.3.5 ASME Section XI Category**

Listed in this column are the appropriate examination categories from Tables IWB-2500-1, IWC-2500-1, IWD-2500-1 or IWF-2500-1, as applicable, of the ASME Boiler and Pressure Vessel Code, Section XI.

**6.3.6 Code Examination Methods**

Listed in this column are the appropriate nondestructive examination method(s) to be used for each component or item subject to examination, if applicable.

**6.3.7 ISI Interval**

Identified in this column is the number 3. This number signifies the current 10-year inspection interval for St. Lucie Unit 2. Within each column a system of codes are entered to define the status of each component or item. For the purpose of providing Tables of components or areas selected for examination during the interval, an "X" is placed on the applicable row. Each row is defined by period and outage, depending on where the "X" is placed, will determine when the item is scheduled for examination within the interval, period and outage. Additional codes are used to provide a status of examination conducted during a given period in time. Additional codes such as those identified in Figure 1 may also be used.

**6.3.8 Instructions**

This column identifies examination note(s) and/or instruction applicable to a particular item.

**7.0 Final Reports**

Following the completion of the Inservice Inspection Activity, FPL shall prepare a Inservice Inspection Final Report. The Final Report will be filed at the St. Lucie site Document Control Center. Final Examination Report Tables, similar to Figure 2, are included as part of the Final Report along with any additional records and reports in order to provide a documentation of the complete examination activity.

This report shall be made available for review by the Enforcement and Regulatory Authority having jurisdiction at the plant site.

DATE: 06/24/03 (A)

ST. LUCIE NUCLEAR PLANT UNIT 2  
 TEN-YEAR INSERVICE INSPECTION PLAN  
 CLASS 1 COMPONENTS (C)

(D) PAGE: 146

INSPECTION INTERVAL				PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY	NDE ITEM NO METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
REF. DWG. NO. 01-001 (G)													
000060 (H)	204-02 (I) DOLLAR PLATE WELD (J)	(L) B-J (M) B9.40	PT 3 (N)	3	-	-	-	-	-	-	-	-	(P) ** (Q) **

1/1/97-REMARKS FROM PREVIOUS OUTAGES (R)

- (A) Date the inspection plan table was printed
- (B) Deleted
- (C) Classification of system
- (D) Page number of the table
- (E) System designation
- (F) Zone number
- (G) Weld/location map
- (H) Summary number of the record
- (I) Component or weld identification number
- (J) Component or weld description
- (L) ASME Code category
- (M) ASME Code item number
- (N) NDE methods
- (O) Shows when an item was examined or is scheduled to be examined. Intervals can be shown separately.
  - A - Augmented
  - B - Baseline
  - C - Completed
  - E - Expanded Scope
  - P - Partial
  - O - Other
  - X - Scheduled
  - No Status
  - R - Removed
- Other Codes may be used as needed.
- (P) Specific instructions for this component
- (Q) Ultrasonic calibration block
- (R) Remarks from previous outages

Figure 1 - Inspection Plan Table Format

DATE: 01/06/97 (A)

ST. LUCIE NUCLEAR PLANT UNIT 2  
 INSERVICE INSPECTION SUMMARY REPORT  
 THIRD INTERVAL, FIRST PERIOD, FIRST OUTAGE (2004)  
 CLASS 1 ALL STATUS COMPONENTS  
 (C)

(D) PAGE: 1

REACTOR PRESSURE VESSEL (E)

ZONE NUMBER : 2-001 (F)

SUMMARY EXAMINATION AREA  
 NUMBER IDENTIFICATION

ASME  
 SEC. XI  
 CATGY  
 ITEM NO

STATUS  
 EXAM  
 METHOD

DATA SHEET #

N I O  
 O N G T  
 R S E H  
 E I O E  
 C G M R

REMARKS  
 \*\*CALIBRATION BLOCK\*\*

REF. DWG. NO. 01-001-A (G)

000100	204-02 (I)	(L) B-A	C	UT 0	5.4-00X	X - - -	DATE AND REMARKS ON
(H) DOLLAR PLATE WELD (J)		(M) B1.30	(P)	UT 45 (N)	5.4-00X (O)	X - - - (Q)	COMPLETED EXAMINATION (S)

\*\*UT-1\*\*  
 (R)

- (A) Date the inspection plan table was printed
- (B) Deleted
- (C) Specific outage and classification of system
- (D) Page number of the table
- (E) System designation
- (F) Zone number
- (G) Weld/location Map
- (H) Summary number of the record
- (I) Component or weld identification number
- (J) Component or weld description
- (L) ASME Code category
- (M) ASME Code item number
- (N) NDE methods
- (O) Procedure number
- (P) Shows status of examination
  - X - Scheduled
  - C - Completed
  - A - Augmented
  - P - Partial
  - B - Baseline
  - E - Expanded Scope
  - No Status
  - (Other codes may be used as necessary)
- (Q) Types of indications found
- (R) Ultrasonic calibration block
- (S) Remarks on examinations performed during this outage. Date is optional.

Figure 2 - Inservice Inspection Summary Record

## Appendices

Appendix A

Nondestructive Examination Procedures

The following is a list of the standard NDE procedures used for ISI activities. The specific revision used during an activity will be listed in the final report for that examination activity.

Procedure Number	Title
NDE 1.1	Eddy Current Examinations of Non-Ferromagnetic Tubing with Multi-Frequency Techniques
NDE 1.3	Eddy Current Examinations of Non-Ferromagnetic Steam Generator Tubing using Multi-Frequency Techniques
NDE 2.2	Magnetic Particle Examination
NDE 3.3	Liquid Penetrant Examination, Solvent Removable Visible Dye Technique
NDE 4.1	Visual Examination, VT-1, Welds/Bolting/Bushings/Washers
NDE 4.2	Visual Examination, VT-2 Conducted During System Pressure Tests
NDE 4.3	Visual Examination, VT-3
NDE 5.1	Ultrasonic Examination of Pressure Vessel Welds
NDE 5.2	Ultrasonic Examination of Ferritic Piping Welds
NDE 5.4	Ultrasonic Examination of Austenitic Piping Welds
NDE 5.7	Ultrasonic Examination of RPV and RCP Studs
NDE 5.8	Ultrasonic Examination of Bolts and Studs with a Straight Beam
NDE 5.10	Ultrasonic Examination of Nuts Two Inches in Diameter or Greater
NDE 5.12	Manual Ultrasonic Examination of RPV Flange to Shell Welds and Stud Hole Threads
NDE 5.13	Ultrasonic Examination of Nozzle Inner Radius Areas
NDE 5.15	Ultrasonic Examination of Reactor Coolant Pump Flywheels
NDE 5.16	Ultrasonic Examination Technique for the Detection of Cracking in Feedwater Piping
NDE 5.18	Ultrasonic Thickness Measurement



Procedure Number	Title
NDE 5.19	Ultrasonic Examination of Socket Welds in the Pressurizer - Auxiliary Spray Line (PTN 3 & 4)
NDE 5.20	Ultrasonic Flaw Sizing
NDE 5.21	In-Place Surface Examination Technique of Reactor Coolant Pump Flywheels Using Ultrasonics
NDE 5.22	Ultrasonic Examination of Small Bore Nozzle Penetrations and Inconel Weld Material Build-up Areas
NDE 5.23	Ultrasonic Examination of Dissimilar Metal Welds & Welds Adjoining Cast Materials
NDE 5.24	Ultrasonic Examination of Vessels $\leq 2$ " Thick
NDE 5.27	Ultrasonic Examination of Bar Stock with a Straight Beam
NDE 5.28	Digital Thickness Measurement
NDE 5.29	Ultrasonic Examination of Dissimilar Metal Piping (PDI)

Appendix B

Ultrasonic Calibration Blocks

Following is a listing of the calibration blocks currently in the PSL-2 inventory. Blocks from other sources may be used if qualified.

I.D.	MATERIAL	SIZE	APPLICATION
UT-1	SA-533 GR.B	11"	RPV UPPER SHELL
UT-2	SA-533 GR.B	9"	RPV
UT-3A	SA-533 GR.B	7"	RPV
UT-4	SA-533 GR.B	5"	RPV
UT-4A	SA-533 CL.1, GR.B	5"	PZR
UT-5	SA-533 CL.1, GR.B	3"	3" RC PIPING
UT-6	SA-516 GR.70 W/304L CLAD	3.5"	RC PIPING
UT-7	SA-516 GR.70 CLAD	3"	
UT-7A	SA-516 GR.70 UNCLAD	3"	
UT-8	SA-533 GR.B	7"	RPV FLANGE LIGAMENT
UT-9	SA-533 GR.B		RPV INLET NOZZLE
UT-10	SA-533 GR.B		RPV OUTLET NOZZLE
UT-11	SA-533 GR.B	OBSOLETE/NOT USED	
UT-12	SA-533 GR.B	OBSOLETE/NOT USED	
UT-13	SA-533 GR.B	OBSOLETE/NOT USED	
UT-14	SA-533 GR.B	OBSOLETE/NOT USED	
UT-15	SA-516 GR.70 W/304L ROLL BOND/316	TRAINING ONLY REPLACED BY UT-59	
UT-16	SA-351 CF8M SA-106 GR.B	1.25"	12.75" DIAMETER SAFE ENDS
UT-17	SA-182,TP316 SA-533 CL1 A	1.25"	6" DIAMETER SAFE ENDS
UT-18	SA-182 TP316 SA-533 CL1 A	1.25"	5" DIAMETER SAFE ENDS
UT-19	SA-182 TP316 SA-533 CL1 A	.625"	4 5/8" DIAMETER SAFE ENDS
UT-20	SA-540 B-24	OBSOLETE/NOT USED	
UT-21	SA-540 B-23	OBSOLETE/NOT USED	
UT-22	SA-182 TP304 INCONEL 600	5.56	"O.D. RPV INST. NOZZLE

I.D.	MATERIAL	SIZE	APPLICATION
UT-23	SA-351 CF8M	1.312"	12.75" DIAMETER PZR. SURGE NOZZLE SAFE END
UT-24	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-25	SA-533 GR.B	5"	FLAT STM GEN. CL. II
UT-26	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-27	SA-533 GR.B	7"	FLAT/CLAD STM GEN PRIMARY HEAD
UT-28A	SA-533 GR.B CL1	4"	CLAD
UT-29	SA-516 GR.70	1"	18" DIAMETER FEEDWATER
UT-30	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-31	SA-516 GR.70	1.625"	FLAT BLOCK
UT-32	SA-533 GR.B	2"	STAY CYLINDER
UT-33	SA-182 TP316 SA-533 CL1	7/8"	LETDOWN & DRAIN NOZZLE SAFE END
UT-34	SA-182 TP316 SA-533 CL1	4.5" dia x .93" T	SPRAY NOZZLE SAFE END
UT-35	SA-376 (SA-312)	1.34"	2" SCH. 160
UT-36	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-37	TP304	1.125"	10.75" O.D. NOT USED
UT-38	SA-312 TP304	.719"	6" SCH. 160 PIPING
UT-39	SA-312 TP304	.531"	4" SCH. 160 PIPING
UT-40	SA-312 TP316	.531"	20" SCH. 80 PIPING
UT-41	A-106 GR.B	1.031"	20" SCH. 80 PIPING
UT-42	A-106 GR.B	1.50"	20" SCH. 120 PIPING
UT-43	A-106 GR.B	.938"	18" SCH. 80 PIPING
UT-44	A-515 GR 70	2"	35.5" DIAMETER
UT-45	A-155/515 GR.65	1.250"	34" DIAMETER
UT-46	A-106 GR.B	1.125"	10" SCH. 160
UT-47	A-106 GR.B	.594"	10" SCH. 80
UT-48	A-106 GR.B	.906"	8" SCH. 160
UT-49	A-519	1.5"	6"
UT-50	A-182 TP304	1.56"	12" SCH. 160
UT-51	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-52	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-53	NO BLOCK IDENTIFIED WITH THIS NUMBER		

I.D.	MATERIAL	SIZE	APPLICATION
UT-54	A-312 TP304	.562"	6" SCH. 120
UT-55	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-56	A-516-79B GR.70	1.15"	1" + CLAD FLAT PLATE
UT-57	NO BLOCK IDENTIFIED WITH THIS NUMBER		
UT-58	SA-540 GR.B23		4.75" RCP STUD
UT-59	A-351 CF8M		RCP SAFE END BLOCK
9-CSCL-38	SA-533 GR. B	9"	S/G PRIMARY IR
10.562-7-8-CS-51-SLC	N/A		RPV NUT
7-1.125-8-CS-52-SLC			RPV STUD
3-SS-160-434-22	SA-312 TP304	.434"	3" SCH 160

Appendix C

Weld/Support Location Maps

St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-001-A	2-001	Reactor Pressure Vessel
02-001-B	2-001	Reactor Pressure Vessel
02-001-C	2-001	Reactor Pressure Vessel
02-001-D	2-001	Reactor Internals Assembly
02-001-E	2-001	Reactor Internal Assembly-Top View
02-001-F	2-001	Reactor Pressure Vessel Roll-Out
02-002	2-002	Reactor Pressure Vessel Closure Head
02-002-A	2-002	Reactor Pressure Vessel Closure Head
02-002-B	2-002	Reactor Pressure Vessel Closure Head
02-003	2-003	Steam Generator 2A Primary Side
02-004	2-004	Steam Generator 2B Primary Side
02-005-A	2-005	Pressurizer
02-005-B	2-005	Pressurizer Top and Bottom Heads
02-006	2-006	Reactor Coolant Piping-Loop A-From RPV to SG-2A-Hot Leg
02-007	2-007	Reactor Coolant Piping-Loop B-From RPV to SG-2B-Hot Leg
02-008	2-008	Reactor Coolant Piping-Loop A-From SG-2A to RCP-2A2-Intern. Leg
02-009	2-009	Reactor Coolant Piping-Loop A-From Pump-2A2 to RPV-Cold Leg
02-010	2-010	Reactor Coolant Piping-Loop B-From SG-2B to RCP 2B1-Intern. Leg
02-011	2-011	Reactor Coolant Piping-Loop B-From RCP-2B1 to RPV-Cold Leg
02-012	2-012	Reactor Coolant Piping-Loop A-From SG-2A to RCP 2A1-Intern. Leg
02-013	2-013	Reactor Coolant Piping-Loop A-From RCP-2A1 to RPV-Cold Leg
02-014	2-014	Reactor Coolant Piping-Loop B-From SG-2B to RCP 2B2-Intern. Leg
02-015	2-015	Reactor Coolant Piping-Loop B-From RCP-2B2 to RPV-Cold Leg
02-016	2-016	Pressurizer Surge Line

St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-017	2-017	Reactor Coolant Pump 2A1
02-018	2-018	Reactor Coolant Pump 2A2
02-019	2-019	Reactor Coolant Pump 2B1
02-020	2-020	Reactor Coolant Pump 2B2
02-021	2-021	Loop 2A1 Safety Injection Piping Inside Containment
02-022	2-022	Loop 2A2 Safety Injection Piping Inside Containment
02-023	2-023	Loop 2B1 Safety Injection Piping Inside Containment
02-024	2-024	Loop 2B2 Safety Injection Piping Inside Containment
02-025	2-025	Combined Pressurizer Spray Line
02-026	2-026	Loop 2B1 Spray Line
02-027	2-027	Loop 2B2 Spray Line
02-028-A	2-028	Loop 2B Shutdown Cooling Line and Hot Leg Injection Piping
02-028-B	2-028	Loop 2B Shutdown Cooling Line and Hot Leg Injection Piping
02-029-A	2-029	Loop 2A Shutdown Cooling Line and Hot Leg Injection Piping
02-029-B	2-029	Loop 2A Shutdown Cooling Line and Hot Leg Injection Piping
02-030-A	2-030	Pressurizer Auxiliary Spray
02-030-B	2-030	Pressurizer Auxiliary Spray
02-031	2-031	Charging Line to Loop 2B1
02-032-A	2-032	Charging Line to Loop 2A2
02-032-B	2-032	Charging Line to Loop 2A2
02-032-C	2-032	Charging Line to Loop 2A2
02-033	2-033	Loop 2A1 Primary Drain
02-034	2-034	Loop 2A2 Primary Drain
02-035	2-035	Loop 2B1 Primary Drain
02-036	2-036	Loop 2B2 Primary Drain
02-037-A	2-037	Letdown Line From Loop 2B1
02-037-B	2-037	Letdown Line From Loop 2B1
02-038	2-038	Pressurizer Relief Line
02-041	2-041	Steam Generator 2A Secondary Side
02-042	2-042	Steam Generator 2B Secondary Side
02-043-A	2-043	LPSI Pump 2A Discharge Header Piping

St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-043-B	2-043	LPSI Pump 2A Discharge Header Piping
02-043-C	2-043	LPSI Pump 2A Discharge Header Piping
02-043-D	2-043	LPSI Pump 2A Discharge Header Piping
02-043-E	2-043	LPSI Pump 2A Discharge Header Piping
02-043-F	2-043	LPSI Pump 2A Discharge Header Piping
02-044-A	2-044	LPSI Pump 2B Discharge Header Piping
02-044-B	2-044	LPSI Pump 2B Discharge Header Piping
02-044-C	2-044	LPSI Pump 2B Discharge Header Piping
02-044-D	2-044	LPSI Pump 2B Discharge Header Piping
02-044-E	2-044	LPSI Pump 2B Discharge Header Piping
02-044-F	2-044	LPSI Pump 2B Discharge Header Piping
02-044-G	2-044	LPSI Pump 2B Discharge Header Piping
02-045	2-045	Safety Injection Piping to SI Tank 2A2 Inside Containment
02-046	2-046	Safety Injection Piping to SI Tank 2A1 Inside Containment
02-047	2-047	Safety Injection Piping to SI Tank 2B1 Inside Containment
02-048	2-048	Safety Injection Piping to SI Tank 2B2 Inside Containment
02-049-A	2-049	Shutdown Cooling Line A Outside Containment
02-049-B	2-049	Shutdown Cooling Line A Outside Containment
02-050-A	2-050	Shutdown Cooling Line B Outside Containment
02-050-B	2-050	Shutdown Cooling Line B Outside Containment
02-051-A	2-051	Shutdown Cooling Line A Inside Containment
02-051-B	2-051	Shutdown Cooling Line A Inside Containment
02-052-A	2-052	Shutdown Cooling Line B Inside Containment
02-052-B	2-052	Shutdown Cooling Line B Inside Containment
02-053	2-053	Letdown Heat Exchanger
02-053-A	2-053 / 2-180	Letdown Heat Exchanger (CVCS)
02-054	2-054	Regenerative Heat Exchanger
02-055-A	2-055 / 2-187	Shutdown Cooling Heat Exchanger 2A
02-055SP	2-055	Shutdown Cooling Heat Exchanger 2A

St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-056	2-056	Shutdown Cooling Heat Exchanger 2B
02-056-A	2-056 / 2-187	Shutdown Cooling Heat Exchanger 2B
02-057	2-057	Safety Injection Tank 2A1 Piping
02-058	2-058	Safety Injection Tank 2A2 Piping
02-059	2-059	Safety Injection Tank 2B1 Piping
02-060	2-060	Safety Injection Tank 2B2 Piping
02-061	2-061	HPSI Pump 2A to Header A
02-062	2-062	HPSI Pump 2B to Header B
02-063	2-063	Main Steam Line 2A1 -Inside Containment
02-064	2-064	Main Steam Line 2B1 -Inside Containment
02-065-A	2-065	Main Steam Line 2A1 -Outside Containment
02-065-B	2-065	Main Steam Line 2A1 -Outside Containment
02-066-A	2-066	Main Steam Line 2B1 -Outside Containment
02-066-B	2-066	Main Steam Line 2B1 -Outside Containment
02-067	2-067	Main Feedwater to SG 2A1 Inside Containment
02-068	2-068	Main Feedwater to SG 2B1 Inside Containment
02-069-A	2-069	Charging Pump 2A
02-069-B	2-069	Charging Pump 2B
02-069-C	2-069	Charging Pump 2C
02-070-A	2-070	Combined Inlet Piping from RWST to CS Pumps 2A&2B
02-070-B	2-070	Combined Inlet Piping from RWST to CS Pumps 2A&2B
02-070-C	2-070	Combined Inlet Piping from RWST to CS Pumps 2A&2B
02-071	2-071	Main Feedwater to SG 2A1 Outside Containment
02-072	2-072	Main Feedwater to SG 2B1 Outside Containment
02-073-A	2-073	LPSI/HPSI/CS Pumps Loop 2A Inlet Piping
02-073-B	2-073	LPSI/HPSI/CS Pumps Loop 2A Inlet Piping
02-073-C	2-073	LPSI/HPSI/CS Pumps Loop 2A Inlet Piping
02-073-D	2-073	LPSI/HPSI/CS Pumps Loop 2A Inlet Piping
02-074-A	2-074	LPSI/HPSI/CS Pumps Loop 2B Inlet Piping
02-074-B	2-074	LPSI/HPSI/CS Pumps Loop 2B Inlet Piping



St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-074-C	2-074	LPSI/HPSI/CS Pumps Loop 2B Inlet Piping
02-074-D	2-074	LPSI/HPSI/CS Pumps Loop 2B Inlet Piping
02-074-E	2-074	LPSI/HPSI/CS Pumps Loop 2B Inlet Piping
02-074-F	2-074	LPSI/HPSI/CS Pumps Loop 2B Inlet Piping
02-075-A	2-075	Shutdown Cooling Heat Exchanger 2B Discharge Piping
02-075-B	2-075	Shutdown Cooling Heat Exchanger 2B Discharge Piping
02-076-A	2-076	Shutdown Cooling Heat Exchanger 2A Inlet Piping
02-076-B	2-076	Shutdown Cooling Heat Exchanger 2A Inlet Piping
02-077-A	2-077	Shutdown Cooling Heat Exchanger 2A Discharge Piping
02-077-B	2-077	Shutdown Cooling Heat Exchanger 2A Discharge Piping
02-078-A	2-078	Shutdown Cooling Heat Exchanger 2B Inlet Piping
02-078-B	2-078	Shutdown Cooling Heat Exchanger 2B Inlet Piping
02-079-A	2-079	Shutdown Cooling Heat Exchanger 2B To CS Header
02-079-B	2-079	Shutdown Cooling Heat Exchanger 2B To CS Header
02-079-C	2-079	Shutdown Cooling Heat Exchanger 2B To CS Header
02-080-A	2-080	Shutdown Cooling Heat Exchanger 2A To CS Header
02-080-B	2-080	Shutdown Cooling Heat Exchanger 2A To CS Header
02-080-C	2-080	Shutdown Cooling Heat Exchanger 2A To CS Header
02-081	2-081	LPSI Pump 2A
02-082	2-082	LPSI Pump 2B
02-083-A	2-083	Component Cooling Water To and From Containment Cooling Unit 2A
02-083-B	2-083	Component Cooling Water To and From Containment Cooling Unit 2A
02-083-C	2-083	Component Cooling Water To and From Containment Cooling Unit 2A
02-084-A	2-084	Component Cooling Water To and From Containment Cooling Unit 2B
02-084-B	2-084	Component Cooling Water To and From Containment Cooling Unit 2B
02-085-A	2-085	Component Cooling Water To and From Containment Cooling Unit 2C
02-085-B	2-085	Component Cooling Water To and From Containment Cooling Unit 2C

St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-086-A	2-086	Component Cooling Water To and From Containment Cooling Unit 2D
02-086-B	2-086	Component Cooling Water To and From Containment Cooling Unit 2D
02-086-C	2-086	Component Cooling Water To and From Containment Cooling Unit 2D
02-087-A	2-087	Combined HPSI Discharge
02-087-B	2-087	Combined HPSI Discharge
02-087-C	2-087	Combined HPSI Discharge
02-087-D	2-087	Combined HPSI Discharge
02-087-E	2-087	Combined HPSI Discharge
02-087-F	2-087	Combined HPSI Discharge
02-087-G	2-087	Combined HPSI Discharge
02-087-H	2-087	Combined HPSI Discharge
02-087-I	2-087	Combined HPSI Discharge
02-087-J	2-087	Combined HPSI Discharge
02-088-A	2-088	Charging Pump 2A Discharge to Aux. HPSI
02-088-B	2-088	Charging Pump 2A Discharge to Aux. HPSI
02-088-C	2-088	Charging Pump 2A Discharge to Aux. HPSI
02-088-D	2-088	Charging Pump 2A Discharge to Aux. HPSI
02-088-E	2-088	Chemical & Volume Control From Regenerative Heat Exchanger To Pen 27
02-089	2-089	Charging Pump 2B Discharge to Aux. HPSI
02-090-A	2-090	Charging Pump 2C Discharge to Aux. HPSI
02-090-B	2-090	Charging Pump 2C Discharge to Aux. HPSI
02-091	2-091	Combined Charging Pumps Discharge to HPSI
02-092	2-092	Combined Discharge to HPSI Tie in Loop 2B
02-093-A	2-093	HPSI 2A Discharge to SDC Loop 2A
02-093-B	2-093	HPSI 2A Discharge to SDC Loop 2A
02-094-A	2-094	HPSI Header B to SDC Loop 2B
02-094-B	2-094	HPSI Header B to SDC Loop 2B
02-094-C	2-094	HPSI Header B to SDC Loop 2B
02-095	2-095	HPSI 2B Discharge to SDC Loop 2B

St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-096-A	2-096	High Pressure Safety Injection(37)and Refueling Water (49) To SI Pump 2B
02-096-B	2-096	High Pressure Safety Injection(37)and Refueling Water (49) To SI Pump 2A
02-097-A	2-097	Containment Spray Pump 2A
02-097-B	2-097	Containment Spray Pump 2B
02-098-A	2-098	HPSI Pump 2A
02-098-B	2-098	HPSI Pump 2B
02-100-A	2-100	Component Cooling Water HX 2A and 2B Inlet Header
02-100-B	2-100	Component Cooling Water HX 2A and 2B Inlet Header
02-101-A	2-101	Component Cooling Water Heat Exchanger 2A and 2B Discharge
02-101-B	2-101	Component Cooling Water Heat Exchanger 2A and 2B Discharge
02-102-A	2-102	Component Cooling-Shutdown Cooling HX 2A Inlet
02-102-B	2-102	Component Cooling-Shutdown Cooling HX 2A Inlet
02-103-A	2-103	Component Cooling Shutdown Cooling HX 2B Inlet
02-103-B	2-103	Component Cooling Shutdown Cooling HX 2B Inlet
02-104-A	2-104	Spent Fuel Pool Cooling Heat Exchanger 2A Suction Piping
02-104-B	2-104	Spent Fuel Pool Cooling Heat Exchanger 2A Discharge Piping
02-105-A	2-105	Component Cooling-Shutdown Cooling HX 2A Discharge
02-105-B	2-105	Component Cooling-Shutdown Cooling HX 2B Inlet
02-105-C	2-105	Component Cooling-Shutdown Cooling HX 2A Discharge
02-106-A	2-106	Component Cooling-Shutdown Cooling HX 2B Discharge
02-106-B	2-106	Component Cooling-Shutdown Cooling HX 2B Discharge
02-106-C	2-106	Component Cooling-Shutdown Cooling HX 2B Discharge
02-107-A	2-107	Component Cooling Water Pumps 2A, 2B and 2C Inlet
02-107-B	2-107	Component Cooling Water Pumps 2A, 2B and 2C Inlet
02-108-A	2-108	Aux. Feedwater Pump 2C to Main Feedwater
02-108-B	2-108	Aux. Feedwater Pump 2C to Main Feedwater
02-109-A	2-109	Condensate-Suction to Auxiliary Feedwater Pump 2C
02-109-B	2-109	Condensate-Suction to Auxiliary Feedwater Pump 2C
02-110-A	2-110	Condensate-Suction to Auxiliary Feedwater Pumps 2A and 2B

St. Lucie Unit 2 ISI Sketches		
Sketch	Zone	Description
02-110-B	2-110	Condensate-Suction to Auxiliary Feedwater Pumps 2A and 2B
02-111-A	2-111	Auxiliary Feedwater Pump 2A and 2B Discharge
02-111-B	2-111	Auxiliary Feedwater Pump 2A and 2B Discharge
02-112-A	2-112	Circulating Water from Intake Cooling Water Pumps
02-112-B	2-112	Circulating Water from Intake Cooling Water Pumps
02-113-A	2-113	Circulating Water to CCW Heat Exchanger 2A
02-113-B	2-113	Circulating Water to CCW Heat Exchanger 2A
02-113-C	2-113	Circulating Water to CCW Heat Exchanger 2A
02-114-A	2-114	Circulating Water to CCW Heat Exchanger 2B
02-114-B	2-114	Circulating Water to CCW Heat Exchanger 2B
02-114-C	2-114	Circulating Water to CCW Heat Exchanger 2B
02-115-A	2-115	Circulating Water-CCW Heat Exchanger 2A & 2B Discharge
02-115-B	2-115	Circulating Water-CCW Heat Exchanger 2A & 2B Discharge
02-180	2-180	Letdown Heat Exchanger
02-181	2-181	Component Cooling Water Heat Exchanger 2A
02-182	2-182	Component Cooling Water Heat Exchanger 2B
02-183-A	2-183	Component Cooling Water Pump 2A
02-183-B	2-183	Component Cooling Water Pump 2B
02-183-C	2-183	Component Cooling Water Pump 2C
02-184-A	2-184	Fuel Pool Cooling Pump 2A
02-184-B	2-184	Fuel Pool Cooling Pump 2B
02-185-A	2-185	Fuel Pool Cooling Heat Exchanger 2A
02-185-B	2-185	Fuel Pool Cooling Heat Exchanger 2B
02-186	2-186	Auxiliary Feedwater Pump 2A, 2B, & 2C
02-187-A	2-187	Shutdown Cooling Heat Exchanger 2A
02-187-B	2-187	Shutdown Cooling Heat Exchanger 2B
02-188	2-188	Intake Cooling Water Pumps 2A, 2B, & 2C
02-189	2-189	Component Cooling Water Surge Tank

Appendix D

# ISI Plan and Schedule

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-001-B)														
000100	101-151 DOME TO PEEL SEGMENT TORUS	B-A B1.21	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, vendor manual nos. 2998-5496 and 2998-5497 **UT-1, UT-4**
-----														
000200	101-154-A PEEL SEG.-TO-PEEL SEG. & 30 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited along length of weld near flow skirt **UT-1, UT-4**
-----														
000300	101-154-B PEEL SEG.-TO-PEEL SEG. & 90 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited along length of weld near flow skirt **UT-1, UT-4**
-----														
000400	101-154-C PEEL SEG.-TO-PEEL SEG. & 150 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited along length of weld near flow skirt **UT-1, UT-4**
-----														
000500	101-154-D PEEL SEG.-TO-PEEL SEG. & 210 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited along length of weld near flow skirt **UT-1, UT-4**
-----														

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
000600	101-154-E PEEL SEG.-TO-PEEL SEG. & 270 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited along length of weld near flow skirt **UT-1,UT-4**
-----															
000700	101-154-F PEEL SEG. TO PEEL SEG. & 330 DEG	B-A B1.22	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited along length of weld near flow skirt **UT-1, UT-4**
-----															
	(REF. DWG. NO. 02-001-A)														
000800	201-141 BOTTOM HEAD-TO-LOWER SHELL GIRTH WELD	B-A B1.21	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited along length of weld below core barrel lugs **UT-1,UT-4**
-----															
	(REF. DWG. NO. 02-001-C)														
000900	101-142-A LOWER SHELL LONGITUDINAL WELD @ 15 DEG.	B-A B1.12	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies **UT-1,UT-2**
-----															
001000	101-142-B LOWER SHELL LONGITUDINAL WELD @ 135	B-A B1.12	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies **UT-1,UT-2**
-----															

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
001100	101-142-C LOWER SHELL LONGITUDINAL WELD @ 255 DEG.	B-A B1.12	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies. volume limited to one side along length of weld along RPV spec. tubes **UT-1,UT-2**
-----															
	(REF. DWG. NO. 02-001-A)														
001200	101-171 LOWER SHELL-TO-INTERM. SHELL GIRTH WELD	B-A B1.11	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited to one side along length of weld along RPV spec. tubes **UT-1,UT-2**
-----															
	(REF. DWG. NO. 02-001-C)														
001300	101-124-A INTERM SHELL LONGITUDINAL WELD @ 15 DEG.	B-A B1.12	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies **UT-1,UT-2**
-----															
001400	101-124-B INTERM SHELL LONGITUDINAL WELD @ 135 DEG	B-A B1.12	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies **UT-1,UT-2**
-----															
001500	101-124-C INTERM SHELL LONGITUDINAL WELD @ 255 DEG	B-A B1.12	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited to one side along length of weld along RPV spec. tubes **UT-1,UT-2**



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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-001-A)														
001600	106-121 INTERM SHELL-TO-UPPER SHELL GIRTH WELD	B-A B1.11	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies **UT-1, UT-2**
-----														
(REF. DWG. NO. 02-001-C)														
001700	101-122-A UPPER SHELL LONGITUDINAL WELD @ 15 DEG.	B-A B1.12	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited at intersection with adjacent outlet nozzle integral extension **UT-1**
-----														
001800	101-122-B UPPER SHELL LONGITUDINAL WELD @ 135 DEG.	B-A B1.12	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited at intersection with nozzle inner blend **UT-1**
-----														
001900	101-122-C UPPER SHELL LONGITUDINAL WELD @ 255 DEG.	B-A B1.12	Vol	3	-	-	-	-	-	-	X	-	-	Appendix VIII applies, USNRC Reg. Guide 1.150 applies, volume limited at intersection with adjacent inlet nozzle inner blend **UT-1**
-----														
(REF. DWG. NO. 02-001-A)														
002000	101-121 Upper Shell to Flange Weld	B-A B1.30	Vol	3	-	-	-	-	-	-	X	-	-	USNRC Regulatory Guide 1.150 applies. examine from seal surface and from shell surface, inside surface taper limits exam **UT-1, UT-8**

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-001-B)														
002100	105-121-A OUTLET NOZZLE-TO-SHELL @ 0 DEGREES	B-D E3.90	Vol	3	-	-	-	-	-	-	X	-	-	volume limited by integral extension **UT-1, UT-10**
002200	103-121-A INLET NOZZLE-TO-SHELL @ 60 DEGREES	B-D E3.90	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1, UT-9**
002300	103-121-B INLET NOZZLE-TO-SHELL @ 120 DEGREES	B-D E3.90	Vol	3	-	-	-	-	-	-	X	-	-	volume limited by integral extension **UT-1, UT-9**
002400	105-121-B OUTLET NOZZLE-TO-SHELL @ 180 DEGREES	B-D E3.90	Vol	3	-	-	-	-	-	-	X	-	-	volume limited by integral extension **UT-1, UT-10**
002500	103-121-C INLET NOZZLE-TO-SHELL @ 240 DEGREES	B-D E3.90	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1, UT-9**
002600	103-121-D INLET NOZZLE-TO-SHELL @ 300 DEGREES	B-D E3.90	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1, UT-9**

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-001-A)														
002700	ON-IR-A INNER RADIUS OUTLET NOZZLE @ 0 DEGREES	B-D B3.100	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1**
002800	IN-IR-A INNER RADIUS INLET NOZZLE @ 60 DEGREES	B-D B3.100	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1**
002900	IN-IR-B INNER RADIUS INLET NOZZLE @ 120 DEGREES	B-D B3.100	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1**
003000	ON-IR-B INNER RADIUS OUTLET NOZZLE @ 180 DEGREES	B-D B3.100	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1**
003100	IN-IR-C INNER RADIUS INLET NOZZLE @ 240 DEGREES	B-D B3.100	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1**
003200	IN-IR-D INNER RADIUS INLET NOZZLE @ 300 DEGREES	B-D B3.100	Vol	3	-	-	-	-	-	-	X	-	-	**UT-1**

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-001-B)													
003220	103-121-A IA Inlet Nozzle @ 60 Deg Integral Attach			3	-	-	-	-	-	-	-	-	No examination required, outside of Section XI boundary
-----													
003240	105-121-B IA Outlet Nozzle @ 180 Deg Integral Attach			3	-	-	-	-	-	-	-	-	No examination required, outside of Section XI boundary
-----													
003260	103-121-D IA Inlet Nozzle @ 300 Deg Integral Attach			3	-	-	-	-	-	-	-	-	No examination required, outside of Section XI boundary
-----													
(REF. DWG. NO. 02-001-C)													
006900	FL-01 THRU FL-54 THREADS IN RPV FLANGE	B-G-1 B6.40	Vol	3	-	-	-	-	-	X	-	-	**UT-8**
-----													
(REF. DWG. NO. 02-001-A)													
007000	RPV INTERIOR ACCESSIBLE AREAS	B-N-1 B13.10	VT-3	3	X	-	-	X	-	X	-	-	EACH PERIOD, AREAS TO BE EXAMINED INCLUDE THE SPACES ABOVE AND BELOW THE REACTOR CORE THAT ARE ACCESSIBLE DURING NORMAL REFUELING OUTAGES

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
(REF. DWG. NO. 02-001-B)																
007100	MSH-01 MATERIAL SURVEILLANCE HOLDER @ 83 Deg.	B-N-2 B13.50	VT-1 VT-3	3	-	-	-	-	-	-	-	X	-	-	-	
007150	SC-1 MATERIAL SURVEILLANCE CAPSULE @ 83 DEG.	10CF50 APP. H		3	-	-	-	-	-	-	-	-	-	-	-	1984-Removed and tested. See B&W report BAW 1880 dated 9-85
007152	SC-2 MATERIAL SURVEILLANCE CAPSULE @ 97 DEG.	10CF50 APP. H		3	-	-	-	-	X	-	-	-	-	-	-	Verify with Materials Programs prior to issuing outage schedule, to be withdrawn & tested at 24 EFFY (2012), ref. NRC Admin Letter 97-04 dated 9-30-97 prior to schedule change
007153	SC-3 MATERIAL SURVEILLANCE CAPSULE @ 104 DEG.	10CF50 APP. H		3	-	-	-	-	-	-	-	-	-	-	-	Verify Withdrawal Schedule with Materials Programs prior to issuing outage schedule. Standby not scheduled, ref. NRC Admin Letter 97-04 dated 9-30-97 prior to schedule change
007154	SC-4 MATERIAL SURVEILLANCE CAPSULE @ 263 DEG.	10CF50 APP. H		3	-	-	-	-	-	-	-	-	-	-	-	1997- removed and tested.see report WCAP 15040 dated 4-98

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
007155	SC-5 MATERIAL SURVEILLANCE CAPSULE @ 277 DEG.	10CF50 APP. H		3	-	-	-	-	-	-	-	-	-	-	Verify Withdrawal Schedule with Materials Programs prior to issuing outage schedule. Standby not scheduled, ref. NRC Admin Letter 97-04 dated 9-30-97 prior to schedule change
007156	SC-6 MATERIAL SURVEILLANCE CAPSULE @ 284 DEG.	10CF50 APP. H		3	-	-	-	-	-	-	-	-	-	-	Verify Withdrawal Schedule with Materials Programs prior to issuing outage schedule. Standby not scheduled, ref. NRC Admin Letter 97-04 dated 9-30-97 prior to schedule change
007200	MSH-02 MATERIAL SURVEILLANCE HOLDER @ 97 Deg	B-N-2 B13.50	VT-1 VT-3	3	-	-	-	-	-	-	-	X	-	-	
007300	MSH-03 MATERIAL SURVEILLANCE HOLDER @ 104 Deg	B-N-2 B13.50	VT-1 VT-3	3	-	-	-	-	-	-	-	X	-	-	
007400	MSH-04 MATERIAL SURVEILLANCE HOLDER @ 263 Deg	B-N-2 B13.50	VT-1 VT-3	3	-	-	-	-	-	-	-	X	-	-	
007500	MSH-05 MATERIAL SURVEILLANCE HOLDER @ 277 Deg	B-N-2 B13.50	VT-1 VT-3	3	-	-	-	-	-	-	-	X	-	-	

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
007600	MSH-06 MATERIAL SURVEILLANCE HOLDER @ 284 Deg	B-N-2 B13.50	VT-1 VT-3	3	-	-	-	-	-	-	-	-	X	-	-	
-----																
	(REF. DWG. NO. 02-001-A)															
007700	101-141-A CORE STABILIZING LUG @ 0 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	-	-	X	-	Examine accessible areas
-----																
007800	101-141-B CORE STABILIZING LUG @ 60 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	-	-	X	-	Examine accessible areas
-----																
007900	101-141-C CORE STABILIZING LUG @ 120 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	-	-	X	-	Examine accessible areas
-----																
008000	101-141-D CORE STABILIZING LUG @ 180 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	-	-	X	-	Examine accessible areas
-----																
008100	101-141-E CORE STABILIZING LUG @ 240 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	-	-	X	-	Examine accessible areas
-----																
008200	101-141-F CORE STABILIZING LUG @ 300 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	-	-	X	-	Examine accessible areas
-----																

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
008300	103-151-A CORE STOP LUG # 10 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
008400	103-151-B CORE STOP LUG # 40 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
008500	103-151-C CORE STOP LUG # 85 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
008600	103-151-D CORE STOP LUG # 135 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
008700	103-151-E CORE STOP LUG # 160 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
008800	103-151-F CORE STOP LUG # 205 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
008900	103-151-G CORE STOP LUG # 250 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas



REACTOR PRESSURE VESSEL

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
009000	103-151-H CORE STOP LUG @ 280 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
009100	103-151-I CORE STOP LUG @ 325 DEGREES	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
009200	FB-01 FLOW BAFFLE	B-N-2 B13.60	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examine accessible areas
009300	CSB-01 CORE SUPPORT BARREL	B-N-3 B13.70	VT-3	3	-	-	-	-	-	-	-	X	-	-	Structure shall be removed from reactor pressure vessel for examination
009400	CSA CORE BARREL SHROUD	B-N-3 B13.70	VT-3	3	-	-	-	-	-	-	-	X	-	-	Structure shall be removed from reactor pressure vessel for examination
009500	CBAK-1 THRU CBAK-4 CORE BARREL ALIGNMENT KEYS (4)	B-N-3 B13.70	VT-3	3	-	-	-	-	-	-	-	X	-	-	Structure shall be removed from reactor pressure vessel for examination
009600	CBGL-1 THRU CBGL-4 CORE BARREL GUIDE LUGS (4)	B-N-3 B13.70	VT-3	3	-	-	-	-	-	-	-	X	-	-	Structure shall be removed from reactor pressure vessel for examination

REACTOR PRESSURE VESSEL  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
009700	SB-1 THRU SB-6 CORE BARREL, SNUBBER BLOCKS (6)	B-N-3 B13.70	VT-3	3	-	-	-	-	-	-	-	X	-	-	Structure shall be removed from reactor pressure vessel for examination
009800	UGS-01 UPPER GUIDE STRUCTURE	B-N-3 B13.70	VT-3	3	-	-	-	-	-	-	-	X	-	-	Structure shall be removed from reactor pressure vessel for examination
(REF. DWG. NO. 02-001-C)															
009900	AK-01 UGS ALIGNMENT KEY @ 0 DEGREES	B-N-1 B13.10	VT-3	3	X	-	-	X	-	-	X	-	-	-	Examine accessible areas each period
010000	AK-02 UGS ALIGNMENT KEY @ 90 DEGREES	B-N-1 B13.10	VT-3	3	X	-	-	X	-	-	X	-	-	-	Examine accessible areas each period
010100	AK-03 UGS ALIGNMENT KEY @ 180 DEGREES	B-N-1 B13.10	VT-3	3	X	-	-	X	-	-	X	-	-	-	Examine accessible areas each period
010200	AK-04 UGS ALIGNMENT KEY @ 270 DEGREES	B-N-1 B13.10	VT-3	3	X	-	-	X	-	-	X	-	-	-	Examine accessible areas each period

INSERVICE INSPECTION LONG TERM PLAN  
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REACTOR PRESSURE VESSEL

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
(REF. DWG. NO. 02-001-B)															
010300	ON-IE-A INTEGRAL EXT. MAT SURFACE @ 0 DEG.	B-N-1 B13.10	VT-3	3	X	-	-	-	X	-	-	X	-	-	Examine accessible areas each period
-----															
010400	ON-IE-B INTEGRAL EXT MAT. SURFACE @ 180 DEG.	B-N-1 B13.10	VT-3	3	X	-	-	-	X	-	-	X	-	-	Examine accessible areas each period
-----															
010500	RVMS REACTOR VESSEL FLANGE MATING SURFACE	B-N-1 B13.10	VT-3	3	X	-	-	-	X	-	-	X	-	-	Examine accessible areas each period
-----															

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REACTOR PRESSURE VESSEL CLOSURE HEAD

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
(REF. DWG. NO. 02-001-C)															
010610	S-01A THRU S-54A RPV Studs 1 thru 54 (Set 'A')	B-G-1 B6.30	Sur Vol	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated, Surface or Volumetric required **7-1.125-8-CS-52-SLC /UT-52**
-----															
010620	N-01A THRU N-54A RPV Nuts 1 thru 54 (Set 'A')	B-G-1 B6.10	VT-1	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated
-----															
010630	W-01A THRU W-54A RPV Washers 1 thru 54 (Set 'A')	B-G-1 B6.50	VT-1	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated
-----															
010640	S-01B THRU S-54B RPV Studs 1 thru 54 (Set 'B')	B-G-1 B6.30	Sur Vol	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated, Surface or Volumetric required **7-1.125-8-CS-52-SLC /UT-52**
-----															
010650	N-01B THRU N-54B RPV Nuts 1 thru 54 (Set 'B')	B-G-1 B6.10	VT-1	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated
-----															
010660	W-01B THRU W-54B RPV Washers 1 thru 54 (Set 'B')	B-G-1 B6.50	VT-1	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
010670	S-01C THRU S-54C RPV Studs 1 thru 54 (Set 'C')	B-G-1 B6.30	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated, Surface or Volumetric required **7-1.125-8-CS-52-SLC/UT-5 2**
010680	N-01C THRU N-54C RPV Nuts 1 thru 54 (Set 'C')	B-G-1 B6.10	VT-1	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated
010690	W-01C THRU W-54C RPV Washers 1 thru 54 (Set 'C')	B-G-1 B6.50	VT-1	3	-	-	-	-	-	-	-	X	-	-	RPV Bolting listed in both ISI Programs-sets are rotated
010700	(REF. DWG. NO. 02-002-B) 101-101 FLANGE to TORUS WELD	B-A B1.40	Sur Vol	3	-	-	-	-	-	-	-	X	-	-	USNRC Reg. Guide 1.150 applies, Limited at intersection of flange flex radius, shroud, lugs, code case N-613 allows deferral to end of interval **UT-2,UT-3A**
010800	(REF. DWG. NO. 02-002-A) 101-104-A PEEL SEGMENT WELD @ 0 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies. Limited by shroud and at intersection of weld 101-101 and shroud. **UT-2,UT-3A**

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REACTOR PRESSURE VESSEL CLOSURE HEAD

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
010900	101-104-B PEEL SEGMENT WELD @ 90 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies. Limited by shroud and at intersection of weld 101-101 and shroud. **UT-2,UT-3A**
011000	101-104-C PEEL SEGMENT WELD @ 180 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies. Limited by shroud and at intersection of weld 101-101 and shroud. **UT-2,UT-3A**
011100	101-104-D PEEL SEGMENT WELD @ 270 DEGREES	B-A B1.22	Vol	3	-	-	-	-	-	-	-	X	-	-	Appendix VIII applies. Limited by shroud and at intersection of weld 101-101 and shroud. **UT-2,UT-3A**
011200	(REF. DWG. NO. 02-002-B) 102-101 DOME WELD	B-A B1.21	Vol	3	-	-	-	-	-	-	-	-	-	-	Appendix VIII applies, Weld inaccessible due to shroud and insulation configuration **UT-2, UT-3A**
012800	CRD HOUSINGS CRD HOUSING WELDS	B-O B14.10		3	-	-	-	-	-	-	-	-	-	-	NOT APPLICABLE TO PSL2; EXAMINE 10% OF PERIPHERAL CEDM WELDS,







Steam Generator 2A Primary Side  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
014300	SG-2A-101-244-A EXT. RING MERIDIONAL WELD @ 0 DEGREES	B-B B2.32	Vol	3	-	-	-	-	-	-	-	-	-	-	**UT-2**
014400	SG-2A-101-244-B EXT. RING MERIDIONAL WELD @ 90 DEGREES	B-B B2.32	Vol	3	-	-	-	-	-	-	-	-	-	-	**UT-2**
014500	SG-2A-101-244-C EXT. RING MERIDIONAL WELD @ 180 DEGREES	B-B B2.32	Vol	3	-	-	-	-	-	-	-	-	-	-	**UT-2**
014600	SG-2A-101-244-D External Ring Meridional Weld @ 270 Deg	B-B B2.32	Vol	3	-	-	-	X	-	-	-	-	-	-	**UT-2**
014700	SG-2A-IN-IR INLET NOZZLE INNER RADIUS	B-D B3.140	Vol	3	-	-	-	X	-	-	-	-	-	-	inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **9-CSCL-38**
014800	SG-2A-ON-IR-A OUTLET NOZZLE @ 45 Deg INNER RADIUS	B-D B3.140	Vol	3	-	-	-	X	-	-	-	-	-	-	inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **9-CSCL-38**

Steam Generator 2A Primary Side  
 2-003

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
014900	SG-2A-ON-IR-B OUTLET NOZZLE @ 315 Deg INNER RADIUS	B-D B3.140	Vol	3	-	-	-	X	-	-	-	-	-	-	**CALIBRATION BLOCK** inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **9-CSCL-38**
015000	SG-2A-302-252 STAY BASE-TO-STAY CYLINDER	B-B B2.31	Vol	3	-	-	-	-	-	-	X	-	-	**UT-27**	
015100	SG-2A-205-271 STAY CYLINDER-TO-STAY CYL. EXT.	B-B B2.31	Vol	3	-	-	-	-	-	X	-	-	-	**UT-27**	
015200	SG-2A-202-246 STAY CYL. EXT.-TO-TUBESHEET	B-B B2.31	Vol	3	-	-	-	-	-	X	-	-	-	**UT-27**	
015300	SG-2A-PMS-A PRIMARY MANWAY STUDS @ 0 DEGREES	B-G-2 B7.30	VT-1	3	-	-	-	-	-	X	-	-	-		
015400	SG-2A-FMN-A PRIMARY MANWAY NUTS @ 0 DEGREES	B-G-2 B7.30	VT-1	3	-	-	-	-	-	X	-	-	-		
015500	SG-2A-PMS-B PRIMARY MANWAY STUDS @ 112D30'	B-G-2 B7.30	VT-1	3	-	-	-	-	-	X	-	-	-		

Steam Generator 2A Primary Side  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
015600	SG-2A-FMN-B PRIMARY MANWAY NUTS @ 112D30'	B-G-2 B7.30	VT-1	3	-	-	-	-	-	-	-	-	X	-	-	
015700	Tube Bundle U-Tubes	B-Q B16.20	Vol	3	X	X	-	-	X	X	-	-	X	X	-	EXTENT AND FREQUENCY OF EXAMINATION IS DETERMINED BY PLANT TECHNICAL SPECIFICATIONS





Steam Generator 2B Primary Side

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
017200	SG-2B-101-244-B EXT. RING MERIDIONAL WELD @ 90 DEGREES	B-B B2.32	Vol	3	-	-	-	-	-	-	-	-	**UT-2**
017300	SG-2B-101-244-C EXT. RING MERIDIONAL WELD @ 180 DEGREES	B-B B2.32	Vol	3	-	-	-	-	-	-	-	-	**UT-2**
017400	SG-2B-101-244-D EXT. RING MERIDIONAL WELD @ 270 DEGREES	B-B B2.32	Vol	3	-	-	-	-	-	-	-	-	**UT-2**
017500	SG-2B-IN-IR INLET NOZZLE INNER RADIUS	B-D B3.140	Vol	3	-	-	-	-	-	X	-	-	inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **9-CSCL-38**
017600	SG-2B-ON-IR-A Outlet Nozzle @ 45 Deg Inner Radius	B-D B3.140	Vol	3	-	-	-	-	-	X	-	-	inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **9-CSCL-38**
017700	SG-2B-ON-IR-B Outlet Nozzle @315 Deg Inner Radius	B-D B3.140	Vol	3	-	-	-	-	-	X	-	-	inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **9-CSCL-38**



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 REVISION: 0

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
018600	Tube Bundle U-Tubes	B-Q B16.20	Vol	3	X	X	-	X	X	-	X	X	-	THE EXTENT AND FREQUENCY OF EXAMINATION IS GOVERNED BY PLANT TECHNICAL SPECIFICATIONS









PRESSURIZER  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
019800	SV-1201 SAFETY VALVE FLANGE BOLTING	B-G-2 B7.50	VT-1	3	-	-	-	-	-	-	-	X	-	-	8 Bolts and Nuts
-----															
(REF. DWG. NO. 02-005-B)															
019900	108-601-D SAFETY VALVE NOZZLE TO UPPER HEAD	B-D B3.110	Vol	3	X	-	-	-	-	-	-	-	-	-	LIMITED DUE TO NOZZLE INTERFERENCE. **UT-4A**
-----															
(REF. DWG. NO. 02-005-A)															
020000	SVN-IR-C SAFETY VALVE NOZZLE INNER RADIUS SECTION	B-D B3.120	Vol	3	X	-	-	-	-	-	-	-	-	-	inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **UT-6, UT-17**
-----															
020100	503-671-C SAFETY VALVE NOZZLE TO FLANGE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	**UT-17**
-----															
020200	SV-1202 SAFETY VALVE FLANGE BOLTING	B-G-2 B7.50	VT-1	3	-	-	-	-	-	-	-	X	-	-	8 Bolts and Nuts.
-----															
(REF. DWG. NO. 02-005-B)															
020300	MS-01 Manway Bolting	B-G-2 B7.20	VT-1	3	X	-	-	-	-	-	-	-	-	-	Examine 20 studs and nuts

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-005-A)													
020500	501-671 UPPER HEAD TO UPPER SHELL	B-B B2.11	Vol	3	x	-	-	-	-	-	-	-	**UT-4A**

STEAM SPACE NOZZLES (REF. DWG. NO. 02-005-B)

020600	WELD PAD A WELD BUILD-UP @ 0 DEGREES		SUR VOL	3	-	-	-	-	-	-	-	-	Welded in accordance with ASME Code Case N-432, INB-2420(b), re-examine next 3 periods, ref. sum # 022350 **UT-4A, UT-70**
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020700	WELD PAD B WELD BUILD-UP @ 180 DEGREES		SUR VOL	3	-	-	-	-	-	-	-	-	Welded in accordance with ASME Code Case N-432, INB-2420(b), re-examine next 3 periods, ref. Sum #022450 **UT-4A, UT-70**
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020800	WELD PAD C WELD BUILD-UP @ 195 DEGREES		SUR VOL	3	-	-	-	-	-	-	-	-	Welded in accordance with ASME Code Case N-432, INB-2420(b), re-examine next 3 periods, ref. sum # 022550 **UT-4A, UT-70**
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020900	WELD PAD D WELD BUILD-UP @ 345 DEGREES		SUR VOL	3	-	-	-	-	-	-	-	-	Welded in accordance with ASME Code Case N-432, INB-2420(b), re-examine next 3 periods, ref. sum # 022650 **UT-4A, UT-70**
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
021600	103-651 SUPPORT SKIRT-TO-LOWER HEAD WELD	B-K B10.10	SUR	3	X	-	-	-	-	-	-	-	-	-	Reference footnote (7), Table IWB-2500-1, 10CFR50.55a requires 1995 Addenda be used for this footnote
-----															
021700	103-651-SP SUPPORT SKIRT	F-A F1.40	VT-3	3	X	-	-	-	-	-	-	-	-	-	PLATE AND SHELL TYPE; EXAMINE ACCESSIBLE SURFACES.
-----															
(REF. DWG. NO. 02-005-B)															
021800	105-651 SURGE NOZZLE TO LOWER HEAD	B-D B3.110	Vol	3	X	-	-	-	-	-	-	-	-	-	LIMITED DUE TO OBSTRUCTION BY TEN HEATER ATTACH **UT-4A**
-----															
(REF. DWG. NO. 02-005-A)															
021900	SRGN-IR SURGE NOZZLE INNER RADIUS	B-D B3.120	Vol	3	X	-	-	-	-	-	-	-	-	-	inside radius sections are required to be examined by 10 CFR 50.55a(b)(2)(xxi)(A) **UT-6**
-----															
WATER SPACE NOZZLES (REF. DWG. NO. 02-005-B)															
022000	672-102 TEMPERATURE NOZZLE & 0 DEGREES	LER 93-04	VT-1	3	-	-	-	-	-	-	-	-	-	-	PER JPN-ESI-93-135, perform VT-1 for evidence of leakage, Removed from schedule for 3rd outage 2nd period & 3rd period per S. Boggs
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2-005

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-1-RC-130 (REF. DWG. NO. 02-005)														
022100	V-1437 INSTRUMENTATION VALVE	PRZ INC AUG-1	VT-1	3	-	-	-	-	-	-	-	-	-	AUGMENTED INSPECTION - SEE DRAWING NO. RC-54, Removed from schedule for 3rd outage 2nd period & 3rd period per S. Boggs
-----														
(REF. DWG. NO. 02-005-B)														
022200	30 Pens- Heater A1- Heater A4 HEATER PENETRATIONS	LER 93-04	VT-1	3	X	X	-	X	X	-	X	X	-	External surfaces of the 30 heaters to be examined each outage, insulation is not required to be removed, see LER 93-04
-----														
STEAM SPACE NOZZLES (REF. DWG. NO. 02-005-B)														
022350	672-105A NOZZLE TO VESSEL WELD @ 0 DEGREES	LER 93-04	VT-1 VOL	3	X	-	-	-	-	-	-	-	-	UT on internal indications and VT-1 for leakage, UT required 1st period 3rd interval **UT-62**
-----														
022450	672-105B NOZZLE TO VESSEL WELD @ 180 DEGREES	LER 93-04	VT-1 VOL	3	X	-	-	-	-	-	-	-	-	UT on internal indications, VT-1 for evidence of leakage, UT required 1st period 3rd interval **UT-62**
-----														
022550	672-105C NOZZLE TO VESSEL WELD @ 195 DEGREES	LER 93-04	VT-1 VOL	3	X	-	-	-	-	-	-	-	-	UT on internal indications, VT-1 for evidence of leakage, UT required 1st period 3rd interval **UT-62**
-----														

PRESSURIZER  
 2-005

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
022650	672-105D NOZZLE TO VESSEL WELD @ 345 DEGREES	LER 93-04	VT-1 VOL	3	X	-	-	-	-	-	-	-	-	-	UT on internal indications, VT-1 for evidence of leakage, UT required 1st period 3rd interval **UT-62**

-----  
 WATER SPACE NOZZLES (REF. DWG. NO. 02-005-B)

022700	684-108A LEVEL NOZZLE @ 0 DEGREES BOTTOM HEAD	LER 93-04	VT-1	3	-	-	-	-	-	-	-	-	-	-	PER JFN-ESI-93-135 VISUAL EXAMINATION OF AS MUCH BASE METAL AS POSSIBLE FOR EVIDENCE OF LEAKAGE, Removed from schedule for 3rd outage 2nd period & 3rd period per S. Boggs
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022800	684-108B LEVEL NOZZLE @ 180 DEGREES BOTTOM HEAD	B-E B4.13	VT-1	3	-	-	-	-	-	-	-	-	-	-	PER JFN-ESI-93-135 VISUAL EXAMINATION OF AS MUCH BASE METAL AS POSSIBLE FOR EVIDENCE OF LEAKAGE, Removed from schedule for 3rd outage 2nd period & 3rd period per S. Boggs
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REACTOR COOLANT PIPING, LOOP A FROM RPV TO SG-2A  
 2-006

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-006)														
022840	401-128-A OUTLET NOZZLE-TO-EXTENSION @ 0 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	-	X	-	Exam performed with RPV activity **UT-4**
-----														
I-42-RC-114 (REF. DWG. NO. 02-006)														
022850	RC-114-1 OUTLET NOZZLE EXT.-TO-PIPE @ 0 DEG	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	Exam performed with RPV activity, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-4**
-----														
022860	RC-114-101-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-6**
-----														
022870	RC-114-101-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-6**
-----														
022900	RC-114-401-771 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-4A**
-----														
023000	RC-114-101-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-4A**



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REACTOR COOLANT PIPING, LOOP A FROM RPV TO SG-2A

2-006

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
023800	RC-143-SW-2 Pipe to Elbow	R-A R1.11	Sur	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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REACTOR COOLANT PIPING, LOOP B FROM RPV TO SG-2B

2-007

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-007)														
023820	401-128-B OUTLET NOZZLE-TO-EXT. & 180 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	X	-	-	Exam performed with RPV activity **UT-4**
-----														
I-42-RC-123 (REF. DWG. NO. 02-007)														
023840	RC-123-1 OUTLET NOZZLE EXT.-TO-PIPE & 180 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-4**
-----														
023860	RC-123-101-722-LS-A PIPE LONGITUDINAL WELD		VOL	3	-	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-6**
-----														
023880	RC-123-101-722-LS-B PIPE LONGITUDINAL WELD		VOL	3	-	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-6**
-----														
023900	RC-123-201-771 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-4A**
-----														
024000	RC-123-101-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-4A**

REACTOR COOLANT PIPING, LOOP B FROM RPV TO SG-2B  
 2-007

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
024100	RC-123-101-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-4A**
024200	RC-123-2 ELBOW-TO-MOZZLE EXTENSION	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-4A**
024300	RC-123-201-258 NOZZLE EXTENSION TO ST. GENERATOR NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	LIMITED FROM NOZZLE SIDE DUE TO NOZZLE OD TRANSITION TAPER. **UT-4A**
I-12-RC-123 (REF. DWG. NO. 02-007)														
024400	RC-123-203-771 BRANCH CONNECTION-SURGE NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-4A**
024500	RC-123-205-771 BRANCH CONNECTION-SDC NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	LIMITED TO ONE SIDE DUE TO CONFIGURATION. **UT-4A**

REACTOR COOLANT PIPING, LOOP A SG-2A TO RCP-2A2  
 2-008

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-RC-115 (REF. DWG. NO. 02-008)													
024600	RC-115-401-258-B S/G NOZZLE-TO-NOZZLE EXTENSION	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-6**
024700	RC-115-1 NOZZLE EXTENSION-TO-ELBOW	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	LIMITED FROM NOZZLE SIDE DUE TO NOZZLE OD TRANS. TAPER, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
024800	RC-115-103-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
024900	RC-115-103-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
025000	RC-115-1404-771-A Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
025100	RC-115-107-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**

REACTOR COOLANT PIPING, LOOP A SG-2A TO RCP-2A2  
 2-008

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
025200	RC-115-107-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
025300	RC-115-2 Pipe to Elbow	R-A R1.11	VOL	3	X	-	-	-	-	-	-	-	-	-	Field weld, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
025400	RC-115-109-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-5**
025500	RC-115-109-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-5**
025600	RC-115-1410-771-A Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
025700	RC-115-109-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
025800	RC-115-109-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**





REACTOR COOLANT PIPING, LOOP A FROM RCP-2A2 TO RPV  
 2-009

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-RC-115 (REF. DWG. NO. 02-009)													
026500	RC-115-5 RC PUMP 2A2-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-59**
-----													
026600	RC-115-701-771 SAFE END-TO-PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	EXAMINATION LIMITED BY PUMP CONFIGURATION, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6, UT-59**
-----													
026700	RC-115-103-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5), examination is obstructed by a welded attachment on the weld centerline **UT-6**
-----													
026800	RC-115-103-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
-----													
026900	RC-115-601-771 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
-----													

REACTOR COOLANT PIPING, LOOP A FROM RCP-2A2 TO RPV

2-009

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-RC-115 (REF. DWG. NO. 02-009)													
027000	RC-115-606-771 BRANCH CONNECTION-CHARGING NOZZLE	R-A R1.11	Sur	3	-	-	-	-	-	-	-	-	
-----													
I-12-RC-115 (REF. DWG. NO. 02-009)													
027100	RC-115-604-771 BRANCH CONNECTION-SAFETY INJECTION NOZ.	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-6**
-----													
I-30-RC-115 (REF. DWG. NO. 02-009)													
027120	RC-115-105-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-5**
-----													
027140	RC-115-105-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-5**
-----													
027160	RC-115-6 ELBOW-TO-INLET NOZZLE EXT. @ 300 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-5**
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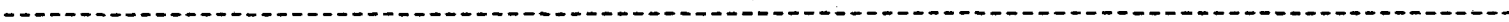
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REACTOR COOLANT PIPING, LOOP A FROM RCP-2A2 TO RPV

2-009

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
		ITEM NO		1	2	3	1	2	3	1	2	3			
	(REF. DWG. NO. 02-009)			O U T A G E											
027180	201-128-D INLET NOZZLE-TO-EXT. & 300 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	-	X	-	-	Exam performed with RPV activity **UT-5**



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REACTOR COOLANT PIPING, LOOP B SG-2B TO RCP-2B1

2-010

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
----- O U T A G E -----													
	I-30-RC-121 (REF. DWG. NO. 02-010)												
027200	RC-121-401-258-B ST. GENERATOR NOZZLE TO NOZZLE EXTENSION	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	LIMITED FROM NOZZLE SIDE DUE TO NOZZLE OD TRANSITION TAPER. **UT-6**
027300	RC-121-1 NOZZLE EXTENSION-TO-ELBOW	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
027400	RC-121-103-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
027500	RC-121-103-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
027600	RC-121-1404-771-B Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
027700	RC-121-107-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
027800	RC-121-107-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**

INSERVICE INSPECTION LONG TERM PLAN

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REACTOR COOLANT PIPING, LOOP B SG-2B TO RCP-2B1

2-010

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
027900	RC-121-2 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	X	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
028000	RC-121-109-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
028100	RC-121-109-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
028200	RC-121-1410-771-B Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
028300	RC-121-109-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
028400	RC-121-109-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
028500	RC-121-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	X	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**





REACTOR COOLANT PIPING, LOOP B FROM RCP-2B1 TO RPV

2-011

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-RC-121 (REF. DWG. NO. 02-011)													
029300	RC-121-103-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5), Limitation due to welded attachment. **UT-6**
029400	RC-121-103-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
029500	RC-121-801-771 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5). **UT-6**
029800	RC-121-105-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-5**
029850	RC-121-105-742-LS-B ELBOW LONGITUDINAL SEAM		SUR VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-5**
029900	RC-121-6 ELBOW to INLET NOZZLE EXT. @ 120 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Exam to include intersecting L/S within UT examination area, footnote (5). **UT-5**

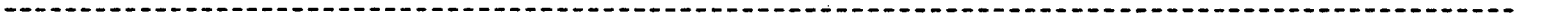


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REACTOR COOLANT PIPING, LOOP B FROM RCP-2B1 TO RPV  
 2-011

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
	(REF. DWG. NO. 02-011)			O U T A G E										
029950	201-128-B INLET NOZZLE-TO-EXT. & 120 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-5**



REACTOR COOLANT PIPING, LOOP A EG-2A TO RCP-2A1  
 2-012

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-RC-112 (REF. DWG. NO. 02-012)													
030100	RC-112-401-258-A S/G NOZZLE-TO-NOZZLE EXTENSION	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	LIMITED FROM NOZZLE SIDE DUE TO NOZZLE OD TRANSITION TAPER **UT-6**
030200	RC-112-1 NOZZLE EXTENSION-TO-ELBOW	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5), field weld **UT-6**
030300	RC-112-103-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
030400	RC-112-103-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
030500	RC-112-1404-771-C Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
030600	RC-112-107-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
030700	RC-112-107-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**

REACTOR COOLANT PIPING, LOOP A SG-2A TO RCP-2A1

2-012

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
030800	RC-112-2 Pipe to Elbow	R-A R1.11	VOL	3	X	-	-	-	-	-	-	-	-	-	field weld, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
030900	RC-112-109-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
031000	RC-112-109-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
031100	RC-112-1407-771-A Elbow to Pipe	R-A R1.11	VOL	3	X	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
031200	RC-112-109-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
031300	RC-112-109-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	X	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
031400	RC-112-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	field weld, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**

REACTOR COOLANT PIPING, LOOP A SG-2A TO RCP-2A1

2-012

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
031500	RC-112-107-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
-----															
031600	RC-112-107-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
-----															
031700	RC-112-1501-771-C ELBOW-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	Exam limited by configuration, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-59, UT-6**
-----															
031800	RC-112-4 SAFE END-TO-RC PUMP 2A1	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	field weld **UT-59**
-----															
I-2-RC-112 (REF. DWG. NO. 02-012)															
031900	RC-112-1413-771-C BRANCH CONNECTION-DRAIN NOZZLE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	
-----															

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

REACTOR COOLANT PIPING, LOOP A FROM RCP-2A1 TO RPV

2-013

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-RC-112 (REF. DWG. NO. 02-013)													
032000	RC-112-5 RC PUMP 2A1-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	field weld **UT-59**
032100	RC-112-1066-771 SAFE END-TO-PIPE	R-A R1.11	VOL	3	-	-	-	X	-	-	-	-	Safe-end matl.-SA-351, CF8M. Exam limited by configuration, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-59**
032200	RC-112-105-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
032300	RC-112-105-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
032350	RC-112-1007-771 BRANCH CONNECTION-SI NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-6**
032400	RC-112-1001-771 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**

REACTOR COOLANT PIPING, LOOP A FROM RCF-2A1 TO RPV  
 2-013

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
032500	RC-112-111-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-5**
032510	RC-112-111-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-5**
032520	RC-112-6 INLET NOZZLE EXT.-TO-ELBOW @ 60 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-5**
	(REF. DWG. NO. 02-013)														
032530	201-128-A INLET NOZZLE-TO-EXTENSION @ 60 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	X	-	-	-	Exam performed with RPV activity **UT-5**

REACTOR COOLANT PIPING, LOOP B SG-2B TO RCP-2B2  
 2-014

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-RC-124 (REF. DWG. NO. 02-014)													
032600	RC-124-401-258-A S/G Nozzle to Nozzle Extension	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-5**
032700	RC-124-1 NOZZLE EXTENSION-TO-ELBOW	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
032800	RC-124-103-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
032900	RC-124-103-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
033000	RC-124-1404-771-D Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
033100	RC-124-107-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
033200	RC-124-107-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**

REACTOR COOLANT PIPING, LOOP B SG-2B TO RCP-2B2  
 2-014

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
033300	RC-124-2 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	X	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
033400	RC-124-109-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
033500	RC-124-109-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
033600	RC-124-1407-771-B Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**
033700	RC-124-109-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
033800	RC-124-109-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	X	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
033900	RC-124-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	X	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**





REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

REACTOR COOLANT PIPING, LOOP B RCP-2B2 TO RPV

2-015

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-RC-124 (REF. DWG. NO. 02-015)													
034500	RC-124-5 RC Pump 2B2 to Safe-End	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-59**
034600	RC-124-1301-771 Safe-End to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	field weld, Exam limited by configuration, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-59**
034700	RC-124-105-722-LS-A PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
034800	RC-124-105-722-LS-B PIPE LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnote (5) **UT-6**
034900	RC-124-1201-771 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	Exam to include intersecting L/S within UT examination area, footnote (5) **UT-6**

REACTOR COOLANT PIPING, LOOP B RCP-2B2 TO RPV  
 2-015

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-RC-124 (REF. DWG. NO. 02-015)													
035000	RC-124-1207-771 BRANCH CONNECTION-SAFETY INJECTION NOZ.	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-6**
-----													
I-3-RC-124 (REF. DWG. NO. 02-015)													
035100	RC-124-1210-771 BRANCH CONNECTION-SPRAY NOZZLE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-30-RC-124 (REF. DWG. NO. 02-015)													
035120	RC-124-111-742-LS-A ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-5**
-----													
035140	RC-124-111-742-LS-B ELBOW LONGITUDINAL SEAM		VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Examined as part of intersecting circ weld-footnote (5) **UT-5**
-----													
035160	RC-124-6 INLET NOZZLE EXT.-TO-ELBOW @ 240 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	X	-	-	Exam performed with RPV activity, Exam to include intersecting L/S within UT examination area, footnote (5) **UT-5**
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REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

REACTOR COOLANT PIPING, LOOP B RCP-2B2 TO RPV

2-015

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
	(REF. DWG. NO. 02-015)			O U T A G E											
035180	201-128-C INLET NOZZLE-TO-EXT. @ 240 DEGREES	R-A R1.11	VOL	3	-	-	-	-	-	-	-	X	-	-	Exam performed with RPV activity **UT-5**



PRESSURIZER SURGE LINE  
 2-016

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-12-RC-108 (REF. DWG. NO. 02-016)														
035200	RC-301-771 NOZZLE TO SAFE-END	R-A R1.11	VOL	3	-	-	-	X	-	-	-	-	-	USE CS SIDE OF UT-16 FOR CS SIDE OF WELD & UT-23 FOR SS. **UT-16CS, UT-23SS**
035400	RC-108-FW-3 SAFE END-TO-ELBOW	R-A R1.11	VOL	3	-	-	-	X	-	-	-	-	-	**UT-23**
035500	RC-106-751 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-23**
035600	H-1B VARIABLE SPRING CAN HANGER	F-A F1.10	VT-3	3	-	-	-	X	-	-	-	-	-	
035700	RC-113-751 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-23**
035800	H-2B VARIABLE SPRING CAN HANGER	F-A F1.10	VT-3	3	-	-	-	X	-	-	-	-	-	
035900	RC-107-751 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	Spring can needs to be removed for examination **UT-23**

PRESSURIZER SURGE LINE  
 2-016

INSPECTION INTERVAL PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
036000	RC-108-FW-2 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** **UT-23**
036100	RC-112-751 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-23**
036200	H-3B VARIABLE SPRING CAN HANGER	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
036300	RC-101-751 Pipe to Elbow	R-A R1.11	VOL	3	X	-	-	-	-	-	-	-	License renewal requires examination of weld each interval-ref PSL-ENG-LRAM-01-026 **UT-23**
036400	RC-102-751 Elbow to Pipe	R-A R1.11	VOL	3	X	-	-	-	-	-	-	-	License renewal requires examination of weld each interval-ref PSL-ENG-LRAM-01-026 **UT-23**
036500	RC-108-FW-1 Pipe to Safe-End	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-23**
036600	RC-514-671 Safe-End to Nozzle	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	USE CS SIDE OF UT-16 FOR CS SIDE OF WELD & UT-23 FOR SS SIDE. **UT-16, UT-23**

DATE: 08/08/03  
 REVISION: 0

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 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 1 COMPONENTS

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PRESSURIZER SURGE LINE

2-016

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
036650	Surge Line General Examination SURGE LINE	AUG	VT-3	3	X	-	-	-	X	-	-	X	-	-	Perform visual examination per NRC Bulletin 88-11 on the entire line for general mechanical and structure conditions each period, reference letter ESI-CPS-93-362



REACTOR COOLANT PUMP 2A1  
 2-017

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
	(REF. DWG. NO. 02-017)													
036700	02-017-001 UPPER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	-	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
036800	02-017-002 LOWER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	-	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
036900	02-017-003 PUMP CASING INTERNAL SURFACE	B-L-2 B12.20	VT-3	3	X	-	-	-	-	-	-	-	-	Examine when disassembled for maintenance, repair, or volumetric examination, only one pump required per interval
037000	02-017-004 SUPPORT LUG #2	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) 100% OF LENGTH OF ATTACHMENT WELD
037100	02-017-RPH-2 SPRING SUPPORT @ LUG #2	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
037300	02-017-005 SUPPORT LUG #3	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD



INSERVICE INSPECTION LONG TERM PLAN

CLASS 1 COMPONENTS

REACTOR COOLANT PUMP 2A1

2-017

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
037400	02-017-RPH-3 SPRING SUPPORT & LUG #3	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
037600	02-017-006 SUPPORT LUG #4	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%), 100% OF LENGTH OF ATTACHMENT WELD
037700	02-017-RPE-4 SPRING SUPPORT & LUG #4	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
037900	02-017-007 SUPPORT LUG #1	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%), 100% OF LENGTH OF ATTACHMENT WELD
038000	02-017-RPH-1 SPRING SUPPORT & LUG #1	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
038200	02-017-008 FLYWHEEL BORE AND KEYWAY	R.G. 1.14	VOL	3	X	-	-	X	-	-	X	-	-	-	Examination required by Tech Specs IAW USNRC Reg. Guide 1.14 approximately every 3 years **FLYWHEEL KEYWAY**

REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

REACTOR COOLANT PUMP 2A1  
2-017

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
038300	01-017-009 FLYWHEEL	RG 1.14 C.4.B	SUR	3	-	-	-	-	-	-	-	X	-	-	EXAMINATION REQUIRED BY USNRC REG. GUIDE 1.14 NEAR END OF INTERVAL **STD FPL-FW90-Z-8500**
038400	02-017-S-001 THRU 016 REACTOR COOLANT PUMP STUDS	B-G-1 B6.180	VOL	3	-	-	-	-	-	-	-	-	-	-	16 studs **UT-58R**
038700	02-017-M-001 TO 016 REACTOR COOLANT PUMP NUTS	B-G-1 B6.200	VT-1	3	-	-	-	-	-	-	-	-	-	-	16 nuts, examination limited to component selected under B-L-2
038800	2A1-LIG-01-16 STUD HOLE THREADS & LIGAMENT	B-G-1 B6.190	VT-1	3	X	-	-	-	-	-	-	-	-	-	Perform examination only if connection is disassembled

REACTOR COOLANT PUMP 2A2  
 2-018

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-018)													
038900	02-018-001 UPPER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
039000	02-018-002 LOWER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
039100	02-018-003 PUMP CASING INTERNAL SURFACE	B-L-2 B12.20	VT-3	3	X	-	-	-	-	-	-	-	Examine when disassembled for maintenance, repair, or volumetric examination, only one pump per interval
039200	02-018-004 SUPPORT LUG #2	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%), 100% OF LENGTH OF ATTACHMENT WELD
039300	02-018-REH-6 SPRING SUPPORT @ LUG #2	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
039500	02-018-005 SUPPORT LUG #3	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%), 100% OF LENGTH OF ATTACHMENT WELD

REACTOR COOLANT PUMP 2A2  
 2-018

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
039600	02-018-RPH-7 SPRING SUPPORT & LUG #3	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
039800	02-018-006 SUPPORT LUG #4	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD
039900	02-018-RPH-8 SPRING SUPPORT & LUG #4	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
040100	02-018-007 SUPPORT LUG #1	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD
040200	02-018-RPH-5 SPRING SUPPORT & LUG #1	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
040400	02-018-008 FLYWHEEL BORE AND KEYWAY	R.G. 1.14	VOL	3	X	-	-	X	-	-	X	-	-	-	Examination required by Tech Specs IAW USNRC Reg. Guide 1.14 approximately every 3 years **FLYWHEEL KEYWAY**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

REACTOR COOLANT PUMP 2A2

2-018

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
040500	02-018-009 FLYWHEEL	BG 1.14 C.4.B	SUR	3	-	-	-	-	-	-	-	X	-	-	**CALIBRATION BLOCK** EXAMINATIONS REQUIRED BY USNRC REG. GUIDE 1.14 NEAR END OF INTERVAL **STD FPL-FW90-Z-8500**
040600	02-018-S-001 THRU 016 REACTOR COOLANT PUMP STUDS	B-G-1 B6.180	VT-1	3	-	-	-	-	-	-	-	-	-	-	16 studs  **UT-58R**
040900	02-018-N-001 TO 016 REACTOR COOLANT PUMP NUTS	B-G-1 B6.200	VT-1	3	-	-	-	-	-	-	-	-	-	-	16 nuts, examination limited to component selected under E-L-2
041000	2A2-LIG-01-16 STUD HOLE THREADS & LIGAMENT	B-G-1 B6.190	VT-1	3	X	-	-	-	-	-	-	-	-	-	Perform examination only if connection is disassembled

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

REACTOR COOLANT PUMP 2B1

2-019

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
	(REF. DWG. NO. 02-019)												
041100	02-019-001 UPPER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
041200	02-019-002 LOWER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
041300	02-019-003 PUMP CASING INTERNAL SURFACE	B-L-2 B12.20	VT-3	3	X	-	-	-	-	-	-	-	Examine when disassembled for maintenance, repair, or volumetric examinations, only one pump per interval required
041400	02-019-004 SUPPORT LUG #2	B-K B10.30	SUR	3	-	-	X	-	-	-	-	-	Examination of 2 attachments required (10%), 100% OF LENGTH OF ATTACHMENT WELD
041500	02-019-RPH-10 SPRING SUPPORT & LUG #2	F-A F1.40	VT-3	3	-	-	X	-	-	-	-	-	Examination of only 1 of multiple components required
041700	02-019-005 SUPPORT LUG #3	B-K B10.30	SUR	3	-	-	X	-	-	-	-	-	Examination of 2 attachments required (10%), 100% OF LENGTH OF ATTACHMENT WELD

REACTOR COOLANT PUMP 2B1  
 2-019

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
041800	02-019-RPH-11 SPRING SUPPORT & LUG #3	F-A F1.40	VT-3	3	-	-	-	X	-	-	-	-	-	-	Examination of only 1 of multiple components required
042000	02-019-006 SUPPORT LUG #4	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD
042100	02-019-RPH-12 SPRING SUPPORT & LUG #4	F-A F1.40	VT-3	3	-	-	-	X	-	-	-	-	-	-	Examination of only 1 of multiple components required
042300	02-019-007 SUPPORT LUG #1	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD
042400	02-019-RPH-9 SPRING SUPPORT & LUG #1	F-A F1.40	VT-3	3	-	-	-	X	-	-	-	-	-	-	Examination of only 1 of multiple components required
042600	02-019-008 FLYWHEEL BORE AND KEYWAY	R.G. 1.14	VOL	3	X	-	-	X	-	-	X	-	-	-	Examination required by Tech Specs IAW USNRC Reg. Guide 1.14 approximately every 3 years **FLYWHEEL KEYWAY**

REACTOR COOLANT PUMP 2B1  
 2-019

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
042700	02-019-009 FLYWHEEL	RG 1.14 C.4.B	SUR	3	-	-	-	-	-	-	-	X	-	-	EXAMINATIONS REQUIRED BY USNRC REG. GUIDE 1.14 WEAR END OF INTERVAL **STD FPL-FW90-Z-8500**
042800	02-019-S-001 THRU 016 REACTOR COOLANT PUMP STUDS	B-G-1 B6.180	VOL	3	-	-	-	-	-	-	-	-	-	-	16 studs **UT-58R**
043100	02-019-N-001 TO 016 REACTOR COOLANT PUMP NUTS	B-G-1 B6.200	VT-1	3	-	-	-	-	-	-	-	-	-	-	Exam limited to component selected under B-L-2, When disassembled or end of interval
043200	2B1-LIG-01-16 STUD HOLE THREADS & LIGAMENT	B-G-1 B6.190	VT-1	3	X	-	-	-	-	-	-	-	-	-	Perform examination only if connection is disassembled



REACTOR COOLANT PUMP 2B2  
 2-020

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-020)														
043300	02-020-001 UPPER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	X	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
043400	02-020-002 LOWER SCROLL WELD	B-L-1 B12.10	VT-1	3	-	-	-	-	-	-	X	-	-	Exam limited to external visual of 1 pump in groups of pumps performing same function
043500	02-020-003 PUMP CASING INTERNAL SURFACE	B-L-2 B12.20	VT-3	3	X	-	-	-	-	-	-	-	-	Examine when disassembled for maintenance, repair, or volumetric examination, only one pump per interval required
043600	02-020-004 SUPPORT LUG #2	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD
043700	02-020-RPH-14 SPRING SUPPORT @ LUG #2	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
043900	02-020-005 SUPPORT LUG #3	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD

REACTOR COOLANT PUMP 2B2  
 2-020

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
044000	02-020-RPH-15 SPRING SUPPORT @ LUG #3	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
044200	02-020-006 SUPPORT LUG #4	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD
044300	02-020-RPH-16 SPRING SUPPORT @ LUG #4	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
044500	02-020-007 SUPPORT LUG #1	B-K B10.30	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 2 attachments required (10%) ,100% OF LENGTH OF ATTACHMENT WELD
044600	02-020-RPH-13 SPRING SUPPORT @ LUG #1	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
044800	02-020-008 FLYWHEEL BORE AND KEYWAY	R.G. 1.14	VOL	3	X	-	-	X	-	-	X	-	-	-	Examination required by Tech Specs IAW USMRC Reg. Guide 1.14 approximately every 3 years **FLYWHEEL KEYWAY**

REACTOR COOLANT PUMP 2B2  
 2-020

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
044900	02-020-009 FLYWHEEL	RG 1.14 C.4.B	SUR	3	-	-	-	-	-	-	-	X	-	-	EXAMINATIONS REQUIRED BY USNRC REG. GUIDE 1.14 NEAR END OF INTERVAL **STD FPL-FW90-Z-8500**
045000	02-020-S-001 THRU 016 REACTOR COOLANT PUMP STUDS	B-G-1 B6.180	VOL	3	-	-	-	X	-	-	-	-	-	-	16 studs **UT-58R**
045300	02-020-N-001 TO 016 REACTOR COOLANT PUMP NUTS	B-G-1 B6.200	VT-1	3	-	-	-	X	-	-	-	-	-	-	16 nuts, examination limited to component selected under B-L-2
045400	2B2-LIG-01-16 STUD HOLE THREADS & LIGAMENTS	B-G-1 B6.190	VT-1	3	X	-	-	-	-	-	-	-	-	-	Perform examination only if connection is disassembled

LOOP 2A1 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-021

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-12-SI-148 (REF. DWG. NO. 02-021)														
045500	V-3624 Bolting GATE VALVE BOLTING	B-G-2 B7.70	VT-1	3	-	-	-	-	-	-	X	-	-	Group 2 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
045600	V-3624 VALVE INTERNAL SURFACE	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	Group 2 valve, examination of the interior surface is required only when disassembled for maintenance or repair
045700	SI-148-FW-1 VALVE (V-3624)-TO-PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	LIMITED DUE TO CONFIGURATION. **UT-35**
045750	SI-4201-7841 RIGID FRAME & VARIABLE SPRING SUPP.	F-A F1.10	VT-3	3	-	-	-	-	-	-	X	-	-	
045800	SI-148-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
045900	SI-148-1-SW-2 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
046000	SI-148-FW-2 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE **UT-35**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2A1 SAFETY INJECTION PIPING, INSIDE CTMT

2-021

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-6-SI-516 (REF. DWG. NO. 02-021)													
046100	V-3258 Bolting Check Valve Bolting	B-G-2 B7.70	VT-1	3	X	-	-	-	-	-	-	-	Group 4 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
046200	V-3258 VALVE INTERNAL SURFACE	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	Group 4 valve, to be examined when valve disassembled or in place at end of interval, only 1 set per group requires examination
046300	SI-516-FW-1 VALVE V-3258 TO PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-38**
046400	SI-516-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-38**
046500	SI-516-1-SW-2 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-38**
046600	SI-516-1-SW-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-38**
046700	SI-516-1-SW-4 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	USE UT-23 FOR CS SIDE OF WELD & UT-50 FOR SS SIDE OF WELD. **UT-38**

LOOP 2A1 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-021

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E										
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
1	2	3	1	2	3	1	2	3	1	2	3			
046800	SI-516-1-SW-5 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE **UT-38**
-----														
I-12-SI-148 (REF. DWG. NO. 02-021)														
046900	SI-148-2-SW-6 Tee to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE **UT-50**
-----														
047000	SI-148-FW-3 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
-----														
047050	SI-4201-753 RIGID RESTRAINT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
047100	SI-148-FW-901 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
-----														
047140	SI-4201-7541B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
-----														
047180	SI-4201-7541A Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
047200	SI-148-FW-801 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
-----														

LOOP 2A1 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-021

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
047300	SI-148-FW-4 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
047400	SI-148-4-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
047500	SI-148-4-SW-2 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
047550	SI-4201-7760 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
047600	SI-148-FW-5 PIPE TO VALVE V-3227	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	EXCEEDS STRESS AND TERMINAL END. LIMITED DUE TO CONFIGURATION. **UT-35**
I-12-SI-151 (REF. DWG. NO. 02-021)															
047700	V-3227 Bolting Check Valve Bolting	B-G-2 B7.70	VT-1	3	-	-	-	-	-	-	-	X	-	-	Group 1 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
047800	V-3227 VALVE INTERNAL SURFACE	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	-	Group 1 valve, examination of the interior surface is required only when disassembled for maintenance or repair

LOOP 2A1 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-021

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-RC-151 (REF. DWG. NO. 02-021)													
047900	RC-151-FW-1 VALVE V-3227 TO PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	EXCEEDS STRESS AND TERMINAL END. LIMITED DUE TO PIPE TO VALVE CONFIGURATION. **UT-35**
-----													
048000	RC-151-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
-----													
048200	RC-151-FW-2 ELBOW-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	USE UT-23 FOR CS SIDE OF WELD & UT-50 FOR SS SIDE OF WELD. **UT-23,UT-50**
-----													
048300	RC-1104-771 SAFE END-TO-SI NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	USE CS SIDE OF UT-16 FOR CS SIDE OF WELD & UT-23 FOR SS SIDE. **UT-16,UT-23**
-----													
LOOP 2A1 INSIDE CONTAINMENT (REF. DWG. NO. 02-021)													
049200	SI-4201-7760 Snubber		VT-4	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
-----													





LOOP 2A2 SAFETY INJECTION PIPING, INSIDE CTMT

2-022

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
049900	SI-149-2-SW-1 Elbow to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE **UT-50**
-----															
I-6-SI-515 (REF. DWG. NO. 02-022)															
050000	V-3259 Bolting Check Valve Bolting	B-G-2 B7.70	VT-1	3	-	-	-	X	-	-	-	-	-	-	Group 4 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
-----															
050100	V-3259 Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	-	Group 4 valve, examination of the interior surface is required only when disassembled for maintenance or repair
-----															
050250	SI-515-FW-2001 Valve V-3259 to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
050270	SI-515-FW-2000 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
050300	SI-515-1-SW-2 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
050400	SI-515-1-SW-1 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															

LOOP 2A2 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-022

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC, XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
050500	SI-515-FW-1 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE **UT-38**
-----														
I-12-SI-149 (REF. DWG. NO. 02-022)														
050600	SI-149-2-SW-2 Tee to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE **UT-35**
-----														
050700	SI-149-2-SW-6 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
-----														
050720	SI-4200-6340B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
-----														
050740	SI-4200-6340A Spring Support	F-A F1.10	VT-3	3	-	-	X	-	-	-	-	-	-	
-----														
050760	SI-4200-6343B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
-----														
050780	SI-4200-6343A Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
050800	SI-149-2-SW-4 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
-----														

LOOP 2A2 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-022

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
050900	SI-149-FW-3 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** **UT-35**
050950	SI-4200-6348 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
051000	SI-149-3-SW-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
051100	SI-149-3-SW-4 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
051150	SI-4200-6350 Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	-	
051200	SI-154-FW-4 Pipe to Valve V-3217	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	LIMITED DUE TO CONFIGURATION **UT-35**
	I-12-RC-154 (REF. DWG. NO. 02-022)														
051300	V-3217 Bolting Check Valve Bolting	B-G-2 B7.70	VT-1	3	X	-	-	-	-	-	-	-	-	-	Group 1 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2

LOOP 2A2 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-022

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
051400	V-3217 VALVE INTERNAL SURFACE	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** Group 1 valve, examination of the interior surface is required only when disassembled for maintenance or repair
051500	RC-154-FW-1 VALVE V-3217 TO PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
051600	RC-154-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
051800	RC-154-FW-2 ELBOW-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	SS, USE UT-23 TO EXAM. CS SIDE OF WELD & UT-50 FOR SS SIDE. **UT-23,UT-50**
051900	RC-703-771 SAFE END-TO-SI NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	USE UT-16 FOR CS SIDE OF WELD & UT-23 FOR SS SIDE. **UT-16,UT-23**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2B1 SAFETY INJECTION PIPING, INSIDE CTMT

2-023

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-12-SI-150 (REF. DWG. NO. 02-023)														
053300	V-3634 Bolting Gate Valve Bolting	B-G-2 B7.70	VT-1	3	-	-	-	-	-	-	X	-	-	Group 2 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
053400	V-3634 Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	Group 2 valve, examination of the interior surface is required only when disassembled for maintenance or repair
053500	SI-150-FW-1 VALVE V-3634 TO PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
053600	SI-150-FW-901 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
053700	SI-150-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-35**
053800	SI-150-1-SW-2 Elbow to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE. **UT-50**









INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2B1 SAFETY INJECTION PIPING, INSIDE CTMT

2-023

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
055700	SI-150-2-SW-4 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
055800	SI-150-FW-3 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
055900	SI-150-3-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
056000	SI-150-3-SW-2 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
056050	SI-4204-133 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
056100	SI-150-3-SW-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
056200	SI-150-3-SW-4 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
056300	SI-150-FW-4 PIPE-TO-VALVE (V-3237)	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	LIMITED DUE TO CONFIGURATION. **UT-35**

LOOP 2B1 SAFETY INJECTION PIPING, INSIDE CTMT

2-023

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-RC-152 (REF. DWG. NO. 02-023)													
056400	V-3237 Bolting Check Valve Bolting	B-G-2 B7.70	VT-1	3	-	-	-	X	-	-	-	-	Group 1 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
056500	V-3237 Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	Group 1 valve, examination of the interior surface is required only when disassembled for maintenance or repair
056600	RC-152-FW-1 VALVE (V-3237)-TO-PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
056700	RC-152-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
056900	RC-152-FW-2 ELBOW to SAFE-END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	USE UT-23 FOR CS SIDE OF WELD & UT-35 FOR SS SIDE, this weld needs material to be verified **UT-23, UT-35**
057000	RC-903-771 SAFE END-TO-SI NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	USE UT-16 FOR CS SIDE OF WELD & UT-23 FOR SS SIDE. **UT-16,UT-23**

LOOP 2B2 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-024

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-SI-151 (REF. DWG. NO. 02-024)													
058100	V-3644 Bolting Gate Valve Bolting	B-G-2 B7.70	VT-1	3	X	-	-	-	-	-	-	-	Group 2 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
058200	V-3644 Gate Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	Group 2 valve, examination of the interior surface is required only when disassembled for maintenance or repair
058300	SI-151-FW-1 VALVE V-3644 TO PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	LIMITED DUE TO CONFIGURATION. **UT-35**
058350	SI-4203-581C Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
058400	SI-4203-581C IA WELDED ATTACHMENT (1 LUG)	B-K B10.20	SUR	3	-	-	-	-	-	-	-	-	Examination of 10% of attachments required
058420	SI-4203-581A RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	X	-	-	-	-	-	-	-	
058450	SI-4203-581B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

LOOP 2B2 SAFETY INJECTION PIPING, INSIDE CTMT

2-024

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
058500	SI-4203-581B IA WELDED ATTACHMENT (2 LUGS)	B-K B10.20	SUR	3	-	-	-	-	-	-	-	-	-	-	Examination of 10% of attachments required
058600	SI-151-1-SW-3 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	12" X 12" X 6" REDUCING TEE **UT-35**
I-6-SI-518 (REF. DWG. NO. 02-024)															
058700	V-3261 Bolting Check Valve Bolting	B-G-2 B7.70	VT-1	3	X	-	-	-	-	-	-	-	-	-	Group 4 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
058800	V-3261 Check Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	-	Group 4 valve, examination of the interior surface is required only when disassembled for maintenance or repair
058900	SI-518-FW-1 VALVE V-3261 TO PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	Limited due to configuration **UT-38**
059000	SI-151-1-SW-6 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	P&ID SAYS 6" LINE IS I-6-SI-518 (SPOOL 12-SI-151-1) SHOP WELDS USE SPOOL #. **UT-38**



LOOP 2B2 SAFETY INJECTION PIPING, INSIDE CTMT  
 2-024

INSPECTION INTERVAL PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
059740	SI-4203-67 Spring Support	F-A F1.10	VT-3	3	X	-	-	-	-	-	-	-	
059780	SI-4203-69C Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
059800	SI-4203-69C IA WELDED ATTACHMENT (2 LOGS)	B-K B10.20	SUR	3	-	-	-	-	-	-	-	-	Examination of 10% of attachments required
059840	SI-4203-69B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
059880	SI-4203-69A Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
059900	SI-151-FW-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
060000	SI-151-3-SW-1 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
060050	SI-4203-71 Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures





DATE: 08/08/03  
 REVISION: 0

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LOOP 2B2 SAFETY INJECTION PIPING, INSIDE CTMT

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
		O U T A G E														
			1	2	3	1	2	3	1	2	3					
060800	RC-153-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	-	**UT-35**
061000	RC-153-FW-2 ELBOW-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	-	USE UT-23 FOR CS SIDE OF WELD & UT-35 FOR SS SIDE. **UT-23,UT-35**
061100	RC-1304-771 SAFE END-TO-SI NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	-	USE UT-16 FOR CS SIDE OF WELD & UT-23 FOR SS SIDE. **UT-16,UT-23**





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 REVISION: 0

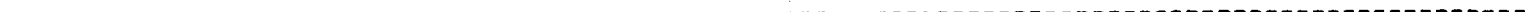
ST. LUCIE - UNIT 2  
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 CLASS 1 COMPONENTS

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COMBINED PRESSURIZER SPRAY LINE

2-025

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
064000	RC-504-671 SAFE-END TO SPRAY NOZZLE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	**UT-19**





LOOP 2B1 SPRAY LINE  
 2-026

INSPECTION INTERVAL PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
064980	SPS-367 RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
065000	RC-109-FW-902 Pipe to Elbow	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065100	RC-109C-SW-1 Elbow to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065150	SPS-378 Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
065200	RC-109-FW-914 Pipe to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065300	RC-109-FW-915 Pipe to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065400	RC-109C-SW-2 Pipe to Elbow	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065450	SPS-417 Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

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 REVISION: 0

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 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 1 COMPONENTS

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LOOP 2B1 SPRAY LINE  
 2-026

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
065500	RC-109-FW-903 Elbow to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065540	SPS-407 RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	X	-	-	-	-	-	
065580	SPS-427 RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
065600	RC-109-FW-904 PIPE-TO-VALVE (V-1442)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065700	RC-109-FW-905 VALVE (V-1442)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065800	RC-109E-SW-2 Pipe to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
065840	SPS-448 RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
065880	SPS-467 Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

LOOP 2B1 SPRAY LINE  
 2-026

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
065900	RC-109-FW-906 PIPE-TO-VALVE (V-1249)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
066000	RC-109-FW-907 VALVE (V-1249)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
066020	SPS-478 RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
066040	SPS-497 RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
066060	SPS-508 RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	-	X	-	-	-	-	-	-	-	-	-	-
066080	SPS-524 RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	-	X	-	-	-	-	-	-	-	-	-	-
066100	RC-109F-SW-1 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3" X 3" X 1 1/4" REDUCING TEE
066200	RC-109F-SW-2 Tee to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3" X 3" X 1 1/4" REDUCING TEE





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LOOP 2B1 SPRAY LINE  
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INSPECTION INTERVAL PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
067100	RC-109-FW-911 VALVE (V-1444)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
067150	SPH-628 Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
067200	RC-109-FW-913 Pipe to Reducer	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	3" X 4" REDUCER











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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2B2 SPRAY LINE

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
072100	RC-141-FW-912 VALVE (V-1443)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																		
072200	RC-141-FW-913 Pipe to Reducer	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3" X 4" REDUCER
-----																		



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 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 1 COMPONENTS

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LOOP 2B SHUTDOWN COOLING LINE

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-RC-147 (REF. DWG. NO. 02-028-A)													
074300	RC-302-771 NOZZLE-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-16,UT-23**
-----													
074400	RC-147-FW-1 SAFE END-TO-PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35,UT-23**
-----													
074600	RC-147-1-SW-8 3" SWEEPOLET	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	I-3-SI-191 PART OF SPOOL 12"-RC-147-1, SHOP WELDS TAKE SAME #. **UT-35**
-----													
I-3-SI-191 (REF. DWG. NO. 02-028-A)													
074700	RC-147-1-SW-13 PIPE TO SWEEPOLET	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	12" X 3" SWEEPOLET, I-3-SI-191 PART OF SPOOL 12"-RC-147-1 SHOP WELDS TAKE SAME #.
-----													
074800	RC-147-1-SW-6 ELBOW TO PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	I-3-SI-191 PART OF SPOOL 12"-RC-147-1 SHOP WELDS TAKE SAME #.
-----													
074900	RC-147-1-SW-7 PIPE TO ELBOW	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	I-3-SI-191 PART OF SPOOL 12"-RC-147-1 SHOP WELDS TAKE SAME #.
-----													

LOOP 2B SHUTDOWN COOLING LINE  
 2-028

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-RC-147 (REF. DWG. NO. 02-028-A)													
075000	RC-147-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
-----													
075200	RC-147-1-SW-2 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
-----													
075300	RC-147-1-SW-3 Pipe to Reducer	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	12" X 10" ECCENTRIC REDUCER. **UT-35**
-----													
I-10-RC-302 (REF. DWG. NO. 02-028-A)													
075400	RC-147-1-SW-4 Reducer to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	12" X 10" ECCENTRIC REDUCER. **UT-37**
-----													
075500	RC-147-1-SW-9 2" BRANCH CONNECTION	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	2" 6000# S.W. COUPLING.
-----													
I-2-RC-158 (REF. DWG. NO. 02-028-A)													
075600	RC-158-FW-1 Branch Connection to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
075700	RC-158-SW-2 Pipe to Elbow	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	WELDS FABRICATED ON SITE, WELD RECORDS ORIGINATED ON SITE
-----													





LOOP 2B SHUTDOWN COOLING LINE

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
077000	RC-302-FW-903 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** **UT-37**
077100	RC-302-FW-904 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-37**
077200	RC-302-FW-2 PIPE-TO-VALVE (V-3652)	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-37**
077300	V-3652 Gate Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	Group 3 valve, examination of the interior surface is required only when disassembled for maintenance or repair
077400	V-3652 Bolting Gate Valve Bolting	B-G-2 B7.70	VT-1	3	-	-	X	-	-	-	-	-	Group 3 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
I-10-SI-130 (REF. DWG. NO. 02-028-B)													
077500	SI-130-FW-1 VALVE (V-3652)-TO-PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-37**
077600	SI-130-1-SW-6 2" BRANCH CONNECTION	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	2" 6000# S.W. COUPLING.

LOOP 2B SHUTDOWN COOLING LINE  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-SI-153 (REF. DWG. NO. 02-028-B)													
077700	SI-153-FW-1 Branch Connection to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
077800	SI-153-SW-2 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	WELDS FABRICATED ON SITE, WELD RECORDS ORIGINATED ON SITE.
077900	SI-153-SW-3 Tee to Reducer	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	2" X 3/4" REDUCER. WELDS FABRICATED ON SITE, WELD RECORDS ORIGINATED ON SITE.
078000	SI-153-SW-4 Tee to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	WELDS FABRICATED ON SITE, WELD RECORDS ORIGINATED ON SITE.
078100	SI-153-SW-5 Pipe to Flange	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	WELDS FABRICATED ON SITE, WELD RECORDS ORIGINATED ON SITE.
078200	2-SI-153-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	3	-	-	-	X	-	-	-	-	8 STUDS, 16 NUTS

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LOOP 2B SHUTDOWN COOLING LINE

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-SI-130 (REF. DWG. NO. 02-028-B)													
078300	SI-130-FW-901 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-37**
078400	SI-130-FW-902 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-37**
078500	SI-130-1-SW-1 Tee to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-37**
078600	SI-130-FW-2 Pipe to Valve V-3651	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-37**
078700	V-3651 Gate Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	Group 3 valve, examination of the interior surface is required only when disassembled for maintenance or repair
078800	V-3651 Bolting Gate Valve Bolting	B-G-2 B7.70	VT-1	3	-	-	X	-	-	-	-	-	Group 3 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
078900	SI-130-FW-904 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	WELDS PART OF SHUTDOWN COOLING 10-SI-130-1, SHOP WELDS TAKE IDENT. OF SPOOL **UT-37**

LOOP 2B SHUTDOWN COOLING LINE  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
079000	SI-130-FW-903 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	WELDS PART OF SHUTDOWN COOLING 10-SI-130-1, SHOP WELDS TAKE IDENT. OF SPOOL **UT-37**
079100	SI-130-1-SW-4 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	WELDS PART OF SHUTDOWN COOLING 10-SI-130-1, SHOP WELDS TAKE IDENT. OF SPOOL **UT-37**
079200	SI-130-FW-905 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	WELDS PART OF SHUTDOWN COOLING 10-SI-130-1, SHOP WELDS TAKE IDENT. OF SPOOL **UT-37**
079300	SI-130-FW-908 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	WELDS PART OF SHUTDOWN COOLING 10-SI-130-1, SHOP WELDS TAKE IDENT. OF SPOOL **UT-37**
079400	SI-130-FW-906 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	WELDS PART OF SHUTDOWN COOLING 10-SI-130-1, SHOP WELDS TAKE IDENT. OF SPOOL **UT-37**
079500	SI-130-FW-907 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	WELDS PART OF SHUTDOWN COOLING 10-SI-130-1, SHOP WELDS TAKE IDENT. OF SPOOL **UT-37**



LOOP 2B SHUTDOWN COOLING LINE  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
079550	SI-4205-4107 Spring Support	F-A F1.10	VT-3	3											
-----															
I-10-SI-378 (REF. DWG. NO. 02-028-B)															
079600	SI-378-FW-4 Pipe to Elbow	R-A R1.11	VOL	3											**UT-37**
-----															
079700	SI-378-2-SW-3 Elbow to Pipe	R-A R1.11	VOL	3											Code acceptable UT indications identified during PSI **UT-37**
-----															
079750	SI-4205-456A Snubber		VT-3	3											Snubbers examined in accordance with plant procedures
-----															
079800	SI-378-FW-901 Pipe to Pipe	R-A R1.11	VOL	3											**UT-37**
-----															
079900	SI-378-2-SW-7 Pipe to Pipe	R-A R1.11	VOL	3											**UT-37**
-----															
079940	SI-4205-456B Snubber		VT-3	3											Snubbers examined in accordance with plant procedures
-----															
080000	SI-4205-456B IA WELDED ATTACHMENT (8 LUGS)	B-K B10.20	SUR	3											Examination of 10% of attachments required
-----															

LOOP 2B SHUTDOWN COOLING LINE  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
080050	SI-4205-456C Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
080100	SI-378-FW-902 Pipe to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
080200	SI-378-2-SW-2 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
080300	SI-378-2-SW-1 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
080340	SI-4205-6458 Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	-	
080380	SI-4205-4590 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
080400	SI-378-FW-3 Pipe to Valve V-3545	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
080500	V-3545 Gate Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	-	Group 3 valve, examination of the interior surface is required only when disassembled for maintenance or repair

LOOP 2B SHUTDOWN COOLING LINE  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
080600	V-3545 Bolting Gate Valve Bolting	B-G-2 B7.70	VT-1	3	-	-	-	-	-	-	-	X	-	-	Group 3 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
-----															
I-3-SI-191 (REF. DWG. NO. 02-028-A)															
080700	SI-191-FW-3 Valve V-3527 to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
080800	V-3527 Bolting VALVE BOLTING		VT-1	3	-	-	-	-	-	-	-	-	-	-	No Examination Required, 8 studs and nuts
-----															
080900	SI-191-FW-2 PIPE TO VALVE V-3527	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
080990	SI-191-1-SW-1LU ELBOW LONGITUDINAL SEAM WELD		SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
081000	SI-191-1-SW-1 ELBOW TO PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
081100	SI-191-1-SW-2 PIPE TO ELBOW	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															



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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
		ITEM NO		1	2	3	1	2	3	1	2	3	
082000	V-3526 VALVE BOLTING		VT-1	1	2	3	1	2	3	1	2	3	No Examination Required, 8 studs and nuts

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LOOP 2A SHUTDOWN COOLING LINE  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
084600	SI-190-FW-904 Pipe to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
084700	SI-190-FW-908 Pipe to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
084800	SI-190-FW-907 Pipe to Elbow	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
084900	SI-190-1-SW-4 Elbow to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
085100	SI-190-FW-603 Pipe to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	Weld added 1st interval PCM 182-292, CWO #8955.
085200	SI-190-FW-601 PIPE-TO-VALVE (V-3525)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	Weld added 1st interval PCM 182-292, CWO #8955.
085400	SI-190-FW-602 VALVE (V-3525)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	Weld added 1st interval, PCM 182-292, CWO #8955.
085500	SI-190-FW-604 Pipe to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	Weld added 1st interval PCM 182-292, CWO #8955.

LOOP 2A SHUTDOWN COOLING LINE  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-RC-190 (REF. DWG. NO. 02-029-A)													
085600	RC-162-1-SW-8 Pipe to Elbow	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	PART OF LINE 3"-SI-190 & SPOOL 10"-RC-162-1, SHOP WELDS TAKE IDENT OF SPOOL.
-----													
085700	RC-162-1-SW-7 Elbow to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	PART OF LINE 3"-SI-190 & SPOOL 10"-RC-162-1, SHOP WELDS TAKE IDENT OF SPOOL.
-----													
085800	RC-162-1-SW-13 PIPE-TO-SWEEPOLET	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	12" X 3" SWEEPOLET
-----													
I-12-RC-162 (REF. DWG. NO. 02-029-A)													
085900	RC-162-1-SW-6 SWEEPOLET (3")	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
086000	RC-501-771 NOZZLE-TO-SAFE END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	USE UT-16 FOR CS SIDE OF WELD AND UT-23 FOR SS SIDE. **UT-16 CS, UT-23 SS**
-----													
086100	RC-162-FW-1 SAFE END-TO-PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
-----													
086300	RC-162-1-SW-5 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-35**
-----													



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2A SHUTDOWN COOLING LINE

2-029

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
086500	RC-162-1-SW-4 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK**  **UT-35**
-----															
I-12-RC-162 (REF. DWG. NO. 02-029-B)															
086600	RC-162-1-SW-3 Pipe to Reducer	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	12" X 10" CONCENTRIC REDUCER. **UT-35**
-----															
I-10-RC-301 (REF. DWG. NO. 02-029-B)															
086700	RC-162-1-SW-2 Reducer to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	12" X 10" CONCENTRIC REDUCER. **UT-37**
-----															
086800	RC-162-1-SW-9 BRANCH CONNECTION (2")	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	2" 6000# S.W. COUPLING
-----															
I-2-RC-106 (REF. DWG. NO. 02-029-B)															
086900	RC-106-FW-1 Branch Connection to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	SHOP WELDS FABRICATED ON SITE, RECORDS ORIGINATED ON SITE
-----															
087000	RC-106-SW-2 PIPE-TO-VALVE (V-1215)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	SHOP WELDS FABRICATED ON SITE, RECORDS ORIGINATED ON SITE
-----															
087100	V-1215 BOLTING		VT-1	3	-	-	-	-	-	-	-	-	-	-	No examination required
-----															





LOOP 2A SHUTDOWN COOLING LINE

2-029

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
088280	SI-4205-6713B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
-----															
I-10-SI-127 (REF. DWG. NO. 02-029-B)															
088300	SI-127-1-SW-8 2" BRANCH CONNECTION	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	2" 6000# S.W. COUPLING
-----															
I-2-SI-152 (REF. DWG. NO. 02-029-B)															
088400	SI-152-FW-1 Branch Connection to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	
-----															
088500	SI-152-SW-2 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	SHOP WELDS FABRICATED ON SITE, RECORDS ORIGINATED ON SITE
-----															
088600	SI-152-SW-3 Tee to Reducer	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	2" X 3/4" REDUCER. SHOP WELDS FABRICATED ON SITE, RECORDS ORIGINATED ON SITE.
-----															
088700	SI-152-SW-4 Tee to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	SHOP WELDS FABRICATED ON SITE, RECORDS ORIGINATED ON SITE
-----															
088800	SI-152-SW-5 Pipe to Flange	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	SHOP WELDS FABRICATED ON SITE, RECORDS ORIGINATED ON SITE
-----															

LOOP 2A SHUTDOWN COOLING LINE

2-029

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
088900	2-SI-152-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	3	-	-	-	X	-	-	-	-	-	-	-
-----															
I-10-SI-127 (REF. DWG. NO. 02-029-B)															
089000	SI-127-1-SW-1 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
-----															
089100	SI-127-1-SW-2 Tee to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
-----															
089200	SI-127-FW-2 Pipe to Valve V-3481	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
-----															
089300	V-3481 Gate Valve Internal Surface	B-M-2 B12.50	VT-3	3	X	-	-	-	-	-	-	-	-	-	Group 3 valve, examination of the interior surface is required only when disassembled for maintenance or repair
-----															
089400	V-3481 Bolting Gate Valve Bolting	B-G-2 B7.70	VT-1	3	X	-	-	-	-	-	-	-	-	-	Group 3 valve, All bolts, studs & nuts, Limited to components scheduled by Categories B-J, B-L-2, B-M-2
-----															
089500	SI-127-1-SW-4 Tee to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-37**
-----															

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2A SHUTDOWN COOLING LINE

2-029

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E										
				1	2	3	1	2	3	1	2	3		
089600	SI-127-1-SW-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-37**
-----														
I-10-SI-378 (REF. DWG. NO. 02-029-B)														
089700	SI-378-FW-1 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-37**
-----														
089800	SI-378-1-SW-1 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-37**
-----														
089900	SI-378-1-SW-2 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-37**
-----														
I-10-RC-378 (REF. DWG. NO. 02-029-B)														
089950	SI-4205-6465 Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
I-10-SI-378 (REF. DWG. NO. 02-029-B)														
090000	SI-378-FW-2 Pipe to Valve V-3545	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	-	**UT-37**
-----														

PRESSURIZER AUXILIARY SPRAY

2-030

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-146 (REF. DWG. NO. 02-030-B)													
091600	CH-146-SW-1 VALVE SE-02-03 TO PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
091700	CH-146-SW-2 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
091800	CH-146-SW-3 Reducer to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	2" X 3/4" REDUCING INSERT.
-----													
091900	CH-146-SW-4 Tee to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
091950	CH-106-R7 Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
-----													
092000	CH-146-SW-5 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-CH-347 (REF. DWG. NO. 02-030-B)													
092100	CH-347-SW-1 VALVE SE-02-04 TO PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
092200	CH-347-FW-2 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													









INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

PRESSURIZER AUXILIARY SPRAY

2-030

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
093740	CH-107-R6 RIGID U-STRAP SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
093760	CH-107-R7 VARIABLE SPRING BASE	F-A F1.10	VT-3	3	X	-	-	-	-	-	-	-	-	-	-	-	B-P 3200-F, SIZE 1, C.L.=50, H.L.=75", M.V.T=1/8 UP
093800	CH-146-FW-20 PIPE-TO-COUPLING	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
093900	CH-146-SW-21 COUPLING-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
093950	CH-107-R8 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
094000	CH-146-FW-22 PIPE-TO-COUPLING	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
094100	CH-146-SW-23 COUPLING-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
094120	CH-107-R9 RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	X	-	-	-



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

PRESSURIZER AUXILIARY SPRAY

2-030

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-RC-149 (REF. DWG. NO. 02-030-A)													
094500	RC-149-SW-1 VALVE (V-2483)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
094600	RC-149-FW-2 Pipe to Reducer	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	4" X 2" CONCENTRIC REDUCER
-----													





CHARGING LINE TO LOOP 2B1  
 2-031

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
098120	CH-108-R4 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
098140	CH-108-R5 RIGID U-STRAP SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	-	
098160	CH-108-R8 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
098200	CH-148-FW-14 Pipe to Elbow	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	
098300	CH-148-SW-15 Elbow to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	
098350	CH-108-R6 RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	-	X	-	-	-	-	-	-	
098400	CH-148-SW-16 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	
098500	CH-148-SW-17 Tee to Reducer	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	2" X 3/4" REDUCING INSERT.





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ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 1 COMPONENTS

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CHARGING LINE TO LOOP 2B1  
 2-031

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
		ITEM NO		1	2	3	1	2	3	1	2	3						
099300	RC-150-FW-4 PIPE-TO-SAFE END	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																		
099400	CH-904-771 Safe-End to Nozzle	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																		

















INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

CHARGING LINE TO LOOP 2A2

2-032

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
104100	CH-147-SW-13 COUPLING-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
104140	CH-103-R9 RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
104180	CH-103-R8 RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
104200	CH-147-FW-12 PIPE-TO-COUPLING	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
104300	CH-147-SW-11 COUPLING-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
104320	CH-103-R7A RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	X	-	-	
104340	CH-103-R7B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
104360	CH-103-R6 RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	X	-	-	





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ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 1 COMPONENTS

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CHARGING LINE TO LOOP 2A2  
 2-032

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-148 (REF. DWG. NO. 02-032-C)													
105600	RC-148-SW-2 VALVE (V-2485)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
105700	RC-148-FW-1 PIPE-TO-SAFE END	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
105800	CH-704-771 Safe-End to Nozzle	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2A1 PRIMARY DRAIN

2-033

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-RC-113 (REF. DWG. NO. 02-033)													
109300	RC-1503-771-C NOZZLE-TO-SAFE END	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
109400	RC-113-FW-1 SAFE END-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
109500	RC-113-SW-2 Pipe to Elbow	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
109610	RC-113-FW-2003 Elbow to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	Weld added 2nd interval-W/O 30008748-01, ER/PWO 62 8327, CRN 02083-10574
109650	VRC-1-R2 CLAMP SUPPORT	F-A F1.10	VT-3	3	X	-	-	-	-	-	-	-	2-Bolt Pipe Clamp
109710	RC-113-FW-2000 PIPE-TO-VALVE (V-1235)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	Weld added 2nd interval-W/O 30008748-01, ER/PWO 62 8327, CRN 02083-10574
109810	RC-113-FW-2001 VALVE (V-1235)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	Weld added 2nd interval-W/O 30008748-01, ER/PWO 62 8327, CRN 02083-10574

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2A1 PRIMARY DRAIN

2-033

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
109910	RC-113-FW-2002 Pipe to Flange	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	Weld added 2nd interval-W/O 30008748-01, ER/PWO 62 8327, CRN 02083-10574
110000	2-RC-113-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	3	X	-	-	-	-	-	-	-	-	-	8 STUDS, 16 NUTS



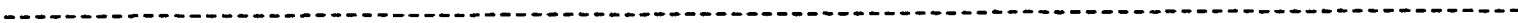


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ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 1 COMPONENTS

LOOP 2A2 PRIMARY DRAIN  
 2-034

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
110900	2-RC-116-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	1	2	3	1	2	3	1	2	3	8 STUDS, 16 NUTS
				3	X	-	-	-	-	-	-	-	



LOOP 2B1 PRIMARY DRAIN  
 2-035

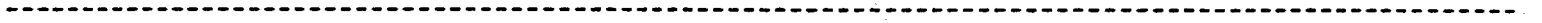
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-RC-122 (REF. DWG. NO. 02-035)													
111100	RC-1503-771-B NOZZLE-TO-SAFE END	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
111200	RC-122-FW-1 SAFE-END TO PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	Weld identification is etched .5" from the toe of the weld at 0"
111300	RC-122-FW-2 Pipe to Tee	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
111400	RC-122-SW-3 Tee to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
111500	RC-122-SW-4 Pipe to Valve V-1450	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
111600	RC-122-SW-5 Valve V-1450 to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
111700	RC-122-SW-6 Pipe to Flange	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
111800	2-RC-122-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	3	X	-	-	-	-	-	-	-	8 STUDS, 16 NUTS



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LOOP 2B2 PRIMARY DRAIN  
2-036

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
112600	2-RC-125-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	1	2	3	1	2	3	1	2	3	8 STUDS, 16 NUTS
				3 X - - - - -									







INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

LETDOWN LINE FROM LOOP 2B1

2-037

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E										
				1	2	3	1	2	3	1	2	3		
113800	RC-142-FW-11 COUPLING-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	
113850	RC-2-R2 RIGID FRAME SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	
113900	RC-142-SW-12 PIPE-TO-COUPLING	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	
114000	RC-142-FW-13 COUPLING-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	
114040	RC-2-RIA RIGID STRUT SUPPORT	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	-	
114080	RC-2-R1 RIGID U-STRAP SUPPORT	F-A F1.10	VT-3	3	-	-	-	X	-	-	-	-	-	
114100	RC-142-SW-14 Pipe to Reducer	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	2" X 3" REDUCER.
114200	RC-142-SW-18 REDUCER TO VALVE V-2593	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	2" X 3" REDUCER

DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 1 COMPONENTS

PAGE: 196

LETDOWN LINE FROM LOOP 2B1  
 2-037

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
114300	V-2593 VALVE BOLTING		VT-1	3	-	-	-	-	-	-	-	-	-	-	No Examination Required, 16 studs and nuts
114400	RC-142-SW-19 VALVE V-2593 TO REDUCER	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	2" X 3" REDUCER
114500	RC-142-SW-15 Reducer to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	2" X 3" REDUCER.
114550	RC-2-R8 Spring Support	F-A F1.10	VT-3	3	-	-	-	X	-	-	-	-	-	-	
114600	RC-142-FW-17 Pipe to Valve V-2515	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	
114650	I-2-CH-145 (REF. DWG. NO. 02-037-B) V-2515 Valve			3	-	-	-	-	-	-	-	-	-	-	No examination required, valve has no body welds
114700	V-2515 VALVE BOLTING		VT-1	3	-	-	-	-	-	-	-	-	-	-	No Examination Required, 12 studs and nuts
114800	CH-145-SW-1 Valve V-2515 to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	VALVE SIDE LANDING IS ONLY 0.8" LONG.









LETDOWN LINE FROM LOOP 2B1  
 2-037

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
116700	CH-145-FW-19 Elbow to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
116750	CH-109-R4A RIGID U-STRAP SUPPORT	F-A F1.10	VT-3	3	X	-	-	-	-	-	-	-	-	-	-	-	-	-
116800	CH-145-SW-20 PIPE-TO-VALVE (V-2516)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
116900	V-2516 VALVE BOLTING		VT-1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	No Examination Required, 12 studs and nuts

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

PRESSURIZER RELIEF LINE

2-038

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-4-RC-101 (REF. DWG. NO. 02-038)													
119200	RC-506-671 NOZZLE TO SAFE-END	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-17**
-----													
119300	RC-101-FW-1 SAFE END-TO-PIPE	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
-----													
119400	RC-101-1-SW-13 Pipe to Tee	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
-----													
119500	RC-101-1-SW-9 Tee to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
-----													
119600	RC-101-1-SW-10 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
-----													
119700	RC-101-1-SW-11 ELBOW-TO-REDUCER	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	3" X 4" CONCENTRIC REDUCER. **UT-39**
-----													
I-3-RC-309 (REF. DWG. NO. 02-038)													
119800	RC-101-1-SW-12 Reducer to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	3" X 4" CONCENTRIC REDUCER. PART OF LINE 3"-RC-309 & SPOOL 4"-RC-101-1, TAKE IDENT. FROM SPOOL.

PRESSURIZER RELIEF LINE  
 2-038

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
119900	RC-309-FW-1 PIPE-TO-VALVE (V-1476)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
120000	V-1476 VALVE BOLTING		VT-1	3	-	-	-	-	-	-	-	-	No Examination Required, 16 studs and nuts, PART OF LINE 3"-RC-309 & SPOOL 4"-RC-101-1, TAKE ID FROM SPOOL
120100	RC-309-FW-2 VALVE (V-1476)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
120150	RC-4300-9 Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	X	-	-	
120200	RC-309-1-SW-1 Pipe to Flange	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
120300	I-3-RC-309-FB Flange Bolting	B-G-2 B7.50	VT-1	3	-	-	X	-	-	-	-	-	8 Studs and nuts
120400	V-1474 VALVE BOLTING			3	-	-	-	-	-	-	-	-	No Examination Required, 8 studs and nuts

PRESSURIZER RELIEF LINE  
 2-038

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-4-RC-101 (REF. DWG. NO. 02-038)													
120500	RC-101-1-SW-8 Tee to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
120600	RC-101-1-SW-7 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
120700	RC-101-1-SW-6 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
120800	RC-101-1-SW-5 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
120900	RC-101-1-SW-4 Elbow to Pipe	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
121000	RC-101-1-SW-3 Pipe to Elbow	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	**UT-39**
121100	RC-101-1-SW-2 ELBOW-TO-REDUCER	R-A R1.11	VOL	3	-	-	-	-	-	-	-	-	4" X 3" CONCENTRIC REDUCER **UT-39**

PRESSURIZER RELIEF LINE  
 2-038

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-RC-310 (REF. DNG. NO. 02-038)													
121200	RC-101-1-SW-1 Reducer to Pipe	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	3" X 4" CONCENTRIC REDUCER. PART OF LINE 3"-RC-110 & SPOOL 4"-RC-101-1, TAKE IDENT. FROM SPOOL.
-----													
121300	RC-310-FW-1 PIPE-TO-VALVE (V-1477)	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
121400	V-1477 VALVE BOLTING		VT-1	3	-	-	-	-	-	-	-	-	No Examination Required, 16 studs and nuts
-----													
121500	RC-310-FW-2 VALVE (V-1477)-TO-PIPE	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
121550	RC-4300-70 Spring Support	F-A F1.10	VT-3	3	-	-	-	-	-	-	-	-	
-----													
121600	RC-310-1-SW-1 Pipe to Flange	R-A R1.11	SUR	3	-	-	-	-	-	-	-	-	
-----													
121700	I-3-RC-310-FB Flange Bolting	B-G-2 B7.50	VT-1	3	-	-	X	-	-	-	-	-	8 Studs and nuts
-----													
121800	V-1475 VALVE BOLTING		VT-1	3	-	-	-	-	-	-	-	-	No Examination Required, 8 Studs and nuts
-----													



STEAM GENERATOR 2A SECONDARY SIDE  
 2-041

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
	(REF. DWG. NO. 02-041)													
122300	SG-2A-203-246 2ND EXT. RING-TO-TUBESHEET WELD	C-A C1.30	VOL	3	-	-	-	X	-	-	-	-	-	EXTENSION RING - T=5 5/8" MIN. **UT-25**
122400	SG-2A-101-241 2ND EXT. RING-TO-LOWER SHELL WELD	C-A C1.10	VOL	3	-	-	-	X	-	-	-	-	-	EXTENSION RING - T=5 5/8" MIN., LOWER SHELL - T=4 7/16" MIN. **UT-25**
122500	SG-2A-101-271 Lower Shell to Intermediate Shell			3	-	-	-	-	-	-	-	-	-	No Examination Required, Not a structural discontinuity **UT-25**
122600	SG-2A-102-221 INTER. SHELL-TO-CONE WELD	C-A C1.10	VOL	3	-	-	-	-	-	X	-	-	-	CONE - T=5 5/8" MIN., INTERMEDIATE SHELL - T=4 7/16" MIN. **UT-25**
122700	SG-2A-101-221 CONE-TO-UPPER SHELL WELD	C-A C1.10	VOL	3	-	-	-	-	-	X	-	-	-	CONE - T=5 5/8" MIN., UPPER SHELL - T=4 7/8" MIN. **UT-25**
122800	SG-2A-201-271 TOP HEAD-TO-UPPER SHELL WELD	C-A C1.20	VOL	3	-	-	-	-	-	X	-	-	-	TORUS - T=3 1/4" MIN., UPPER SHELL - T=4 7/8" MIN. **UT-7,UT-25**
122900	SG-2A-105-201 DOME-TO-TORUS WELD	C-A C1.10	VOL	3	-	-	-	-	-	X	-	-	-	TORUS - T=3 1/4" MIN., DOME - T=4 1/2" MIN. **UT-7,UT-25**

STEAM GENERATOR 2A SECONDARY SIDE

2-041

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
123000	SG-2A-105-201 STEAM NOZZLE-TO-HEAD WELD	C-B C2.21	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	Limited by configuration **UT-25**
123100	SG-2A-105-201-IR STEAM NOZZLE INNER RADIUS	C-B C2.22	VOL	3	-	-	-	-	-	-	-	X	-	-	**UT-25**
123200	SG-2A-SS SECONDARY SIDE EXAMINATION	AUG	VT-1	3	X	X	-	X	X	-	X	X	-	-	Frequency & extent of examination per S/G Secondary Side Integrity Plan
123400	SG-2A-111-221 FEEDWATER NOZZLE-TO-SHELL WELD	C-B C2.21	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	Upper Shell-T=4 7/8" MIN. Exam limited by Configuration & Welded Attach,, **UT-25**
123500	SG-2A-111-221-IR FEEDWATER NOZZLE INNER RADIUS	C-B C2.22	VOL	3	-	-	-	X	-	-	-	-	-	-	**UT-25**
123600	SG-2A-204-246 STAY CYL. DOME-TO-TUBESHEET WELD	C-A C1.30	VOL	3	-	-	-	X	-	-	-	-	-	-	See zone 2-003 for class 1 Stay Cylinder welds **UT-32**
123700	SG-2A-103-221-A IA KEY BRACKET @ 0 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	X	-	-	Only 1 welded attachment of only 1 of the vessels require examination

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

STEAM GENERATOR 2A SECONDARY SIDE

2-041

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
123800	SG-2A-103-221-B IA KEY BRACKET @ 180 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
123900	SG-2A-104-221-A IA CLEVIS BRACKET @ 45 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
124000	SG-2A-105-221-A IA SUPPORT BRACKET @ 90 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
124100	SG-2A-104-221-B IA CLEVIS BRACKET @ 135 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
124200	SG-2A-104-221-C IA CLEVIS BRACKET @ 225 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
124300	SG-2A-105-221-B IA SUPPORT BRACKET @ 270 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
124400	SG-2A-104-221-D IA CLEVIS BRACKET @ 315 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

STEAM GENERATOR 2A SECONDARY SIDE

2-041

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
124600	SS-1-2A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
124700	SS-2-2A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
124800	SS-3-2A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
124900	SS-4-2A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
125000	SS-5-2A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
125100	SS-6-2A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
125200	SS-7-2A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

STEAM GENERATOR 2A SECONDARY SIDE

2-041

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
125300	SS-8-2A Snubber		VT-3	O U T A G E									Snubbers examined in accordance with plant procedures	
				3	-	-	-	-	-	-	-	-	-	



STEAM GENERATOR 2B SECONDARY SIDE

2-042

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
	(REF. DWG. NO. 02-042)													
125400	SG-2B-203-246 2ND EXT. RING-TO-TUBESHEET WELD	C-A C1.30	VOL	3	-	-	-	-	-	-	-	-	-	EXTENSION RING - T=5 5/8" MIN. **UT-25**
125500	SG-2B-101-241 2ND EXT. RING-TO-LOWER SHELL WELD	C-A C1.10	VOL	3	-	-	-	-	-	-	-	-	-	EXTENSION RING - T=5 5/8" MIN., LOWER SHELL - T=4 7/16" MIN. **UT-25**
125600	SG-2B-101-271 Lower Shell to Intermediate Shell			3	-	-	-	-	-	-	-	-	-	No Examination Required, Not a structural discontinuity **UT-25**
125700	SG-2B-102-221 INTER. SHELL-TO-CONE WELD	C-A C1.10	VOL	3	-	-	-	-	-	-	-	-	-	CONE - T=5 5/8" MIN., INTERMEDIATE SHELL - T=4 7/16" MIN. **UT-25**
125800	SG-2B-101-221 CONE-TO-UPPER SHELL WELD	C-A C1.10	VOL	3	-	-	-	-	-	-	-	-	-	CONE - T=5 5/8" MIN., UPPER SHELL - T=4 7/8" MIN. **UT-25**
125900	SG-2B-201-271 TOP HEAD-TO-UPPER SHELL WELD	C-A C1.20	VOL	3	-	-	-	-	-	-	-	-	-	TORUS - T=3 1/4" MIN., UPPER SHELL - T=4 7/8" MIN. **UT-7,UT-25**
126000	SG-2B-106-201 DOME-TO-TORUS WELD	C-A C1.10	VOL	3	-	-	-	-	-	-	-	-	-	TORUS - T=3 1/4" MIN., DOME - T=4 1/2" MIN. **UT-7,UT-25**

STEAM GENERATOR 2B SECONDARY SIDE

2-042

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**						
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD									
				1	2	3	1	2	3	1	2	3							
126100	SG-2B-105-201 STEAM NOZZLE-TO-HEAD WELD	C-B C2.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DOMES - T=4 1/2" MIN. **UT-25**
126200	SG-2B-105-201-IR STEAM NOZZLE INNER RADIUS	C-B C2.22	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**UT-25**
126300	SG-2B-111-221 FEEDWATER NOZZLE-TO-SHELL WELD	C-B C2.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	UPPER SHELL - T=4 7/8" MIN. **UT-25**
126400	SG-2B-111-221-IR FEEDWATER NOZZLE INNER RADIUS	C-B C2.22	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**UT-25**
126500	SG-2B-204-246 STAY CYL. DOME-TO-TUBESHEET WELD	C-A C1.30	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE ZONE 2-004 for CLASS 1 STAY CYLINDER WELDS **UT-7**
126600	SG-2B-103-221-A IA KEY BRACKET @ 0 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
126700	SG-2B-103-221-B IA KEY BRACKET @ 180 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

STEAM GENERATOR 2B SECONDARY SIDE

2-042

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
126800	SG-2B-104-221-A IA CLEVIS BRACKET @ 45 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
126900	SG-2B-105-221-A IA SUPPORT BRACKET @ 90 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
127000	SG-2B-104-221-B IA CLEVIS BRACKET @ 135 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
127100	SG-2B-104-221-C IA CLEVIS BRACKET @ 225 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
127200	SG-2B-105-221-B IA SUPPORT BRACKET @ 270 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
127300	SG-2B-104-221-D IA CLEVIS BRACKET @ 315 DEGREES	C-C C3.10	SUR	3	-	-	-	-	-	-	-	-	Only 1 welded attachment of only 1 of the vessels require examination .
127440	SG-2B-SS SECONDARY SIDE EXAMINATION	AUG	VT-1	3	X	X	-	X	X	-	X	X	Frequency & extent of examination per S/G Secondary Side Integrity Plan



STEAM GENERATOR 2B SECONDARY SIDE

2-042

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
127500	SS-1-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
127600	SS-2-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
127700	SS-3-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
127800	SS-4-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
127900	SS-5-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
128000	SS-6-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
128100	SS-7-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

STEAM GENERATOR 2B SECONDARY SIDE

2-042

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGORY	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
		ITEM NO		1	2	3	1	2	3	1	2	3				
128200	SS-8-2B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures



LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-8-SI-417 (REF. DWG. NO. 02-043-A)													
128300	SI-417-1-SW-6A Flange to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	
-----													
128400	SI-417-1-SW-6 Pipe to Reducer	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	10" X 8" CONCENTRIC REDUCER MATL.- SA-403, WP-304 W.
-----													
I-10-SI-417 (REF. DWG. NO. 02-043-A)													
128500	SI-417-1-SW-1 Reducer to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	10" X 8" CONCENTRIC REDUCER MATL.- SA-403, WP-304 W. WELDED SS PIPE/FITTING.
-----													
128600	SI-417-1-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
128700	SI-417-FW-1 PIPE-TO-VALVE (V-3106)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING
-----													
128800	SI-417-FW-2 VALVE V-3106 TO PIPE	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING
-----													
128850	SI-2406-64 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
128900	SI-417-FW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
129000	SI-417-2-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING
129100	SI-417-2-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
129200	SI-417-2-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
129300	SI-417-2-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
129350	SI-2406-660 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
129400	SI-2406-660 IA WELDED ATTACHMENTS (4 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	THICKNESS = 1 1/2"
129500	SI-417-FW-3 Pipe to Valve (V-3206)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-SI-475 (REF. DWG. NO. 02-043-A)													
129600	SI-475-FW-1 Valve (V-3206) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
-----													
129650	SI-2406-58 RIGID BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
129900	SI-475-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
130000	SI-410-1-SW-7 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
-----													
130100	SI-410-1-SW-7A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
130200	SI-410-1-SW-6 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
-----													
130300	SI-410-1-SW-6-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
130400	SI-410-1-SW-5 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	12" X 12" X 10" REDUCING TEE. WELDED SS PIPE/FITTING.
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
130500	SI-410-1-SW-5-LS TEE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
I-12-SI-410 (REF. DWG. NO. 02-043-B)													
130600	SI-410-FW-1 Valve (V-3517) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
-----													
130700	SI-410-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
130800	SI-410-1-SW-4 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	12" X 12" X 10" REDUCING TEE. WELDED SS PIPE/FITTING.
-----													
130900	SI-410-1-SW-4-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
131000	SI-410-1-SW-3 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	12" X 12" X 10" REDUCING TEE. WELDED SS PIPE/FITTING.
-----													
131100	SI-410-1-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
131200	SI-410-1-SW-2 Pipe to Reducer	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	12" X 10" CONCENTRIC REDUCER. WELDED SS PIPE/FITTING.
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	HDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
131300	SI-410-1-SW-2A-LS REDUCER LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
I-10-SI-410 (REF. DWG. NO. 02-043-B)														
131400	SI-410-1-SW-1 Reducer to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	12" X 10" CONCENTRIC REDUCER. WELDED SS PIPE/FITTING.
-----														
131500	SI-410-1-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
131600	SI-410-FW-902 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
-----														
I-10-SI-553 (REF. DWG. NO. 02-043-B)														
131700	SI-553-1-SW-1 Flange to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
-----														
131800	SI-553-1-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
131900	SI-553-1-SW-2 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	10" SCH 160 TEE, CONTERBORED TO SCH 40; SCH 30 BRANCH, WELDED SS PIPE/FITTING.
-----														

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2A DISCHARGE HEADER PIPING

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
132000	SI-553-1-SW-2A-LS TEE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
132050	SI-2408-8001 ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
132100	SI-553-1-SW-3 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	10" SCH 160 TEE, CONTERBORED TO SCH 40; SCH 30 BRANCH, WELDED SS PIPE/FITTING.
132200	SI-553-1-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
132300	SI-553-1-SW-4 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
132400	SI-553-1-SW-5 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	10" SCH 160 TEE, CONTERBORED TO SCH 40; SCH 30 BRANCH, WELDED SS PIPE/FITTING.
132500	SI-553-1-SW-5-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
132600	SI-553-1-SW-6 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.













LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
135900	SI-129-FW-2 PIPE-TO-VALVE (V-3114)	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK**  **UT-38**
-----															
I-6-SI-113 (REF. DWG. NO. 02-043-C)															
136000	SI-113-FW-1 VALVE (V-3114)-TO-PIPE	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
136050	SI-2408-38 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	-	-	
-----															
136100	SI-113-1-SW-1 Pipe to Tee	C-F-1 C5.11	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE **UT-38**
-----															
136200	SI-113-1-SW-2 Tee to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE **UT-38**
-----															
136250	SI-2408-36 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
-----															
136300	SI-113-1-SW-3 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
136400	SI-113-FW-2 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															











LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
139200	SI-113-FW-6 PIPE TO PENETRATION 36	C-F-1 C5.11	SUR VOL	3	X	-	-	-	-	-	-	-	-	**UT-38**
-----														
I-6-SI-462 (REF. DWG. NO. 02-043-E)														
139300	SI-462-FW-1 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	10" X 10" X 6" REDUCING TEE
-----														
139400	SI-462-1A-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
-----														
139500	SI-462-1A-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
-----														
139600	SI-8-FW-804 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
-----														
139700	SI-462-1-SW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
-----														
139750	SI-2408-79 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
139800	SI-462-1-SW-5 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
-----														













INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2A DISCHARGE HEADER PIPING

2-043

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS	
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E									**CALIBRATION BLOCK**	
				1	2	3	1	2	3	1	2	3		
143100	SI-112-3-SW-3 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
143200	SI-112-3-SW-2 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
143300	SI-112-3-SW-1 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
143400	SI-112-FW-4 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
143450	SI-2408-133 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
143500	SI-112-4-SW-1 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
143600	SI-112-FW-5 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
143650	SI-2408-135 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	X	-	

LPSI PUMP 2A DISCHARGE HEADER PIPING  
 2-043

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				O U T A G E											
				1	2	3	1	2	3	1	2	3			
143700	SI-112-5-SW-2 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
143800	SI-112-5-SW-1 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
143900	SI-112-FW-6 PIPE-TO-PENETRATION 37	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	**UT-38**
-----															

LPSI PUMP 2B DISCHARGE HEADER PIPING

2-044

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-8-SI-419 (REF. DWG. NO. 02-044-A)													
147100	SI-419-1-SW-1A Flange to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	
-----													
147200	SI-419-1-SW-1 Pipe to Reducer	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	SS, 8" X 10" CONCENTRIC REDUCER.
-----													
147300	SI-419-1-SW-1A-LS REDUCER LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
I-10-SI-419 (REF. DWG. NO. 02-044-A)													
147400	SI-419-1-SW-2 Reducer to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	8" X 10" CONCENTRIC REDUCER. WELDED SS PIPE/FITTING.
-----													
147500	SI-419-1-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
147600	SI-419-FW-901 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
-----													
147700	SI-419-FW-901A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
147800	SI-419-1-SW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.





LPSI PUMP 2B DISCHARGE HEADER PIPING

2-044

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-SI-164 (REF. DWG. NO. 02-044-A)													
149200	SI-164-FW-1 Valve (V-3658) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
149300	SI-164-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
149400	SI-164-1-SW-11 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING. STRUCTURAL DISCONTINUITY.
149500	SI-164-1-SW-10A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
149600	SI-164-1-SW-10 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
149700	SI-164-1-SW-10-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
149800	SI-164-1-SW-9 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	12" X 12" X 10" REDUCING TEE. 830" X .760" WALL, WELDED SS PIPE/FITTING. STRUCTURAL DISCONTINUITY.
149900	SI-164-1-SW-7 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	12" X 12" X 10" REDUCING TEE. WELDED SS PIPE/FITTING.



LPSI PUMP 2B DISCHARGE HEADER PIPING  
 2-044

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-SI-164 (REF. DWG. NO. 02-044-B)													
150700	SI-164-1-SW-3 Reducer to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	12" X 10" CONCENTRIC REDUCER. WELDED SS PIPE/FITTING. STRUCTURAL DISCONTINUITY.
150800	SI-164-1-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
150850	SI-2404-7 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
150900	SI-164-FW-801 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING. STRUCTURAL DISCONTINUITY.
151000	SI-164-FW-801A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
151100	SI-164-1-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS FITTING/SEAMLESS PIPE. COUNTERBORED TO SCH 30 AT SW-1.
151200	SI-164-1-SW-19 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	COUNTERBORED TO SCH 30 AT SW-1.















LPSI PUMP 2B DISCHARGE HEADER PIPING

2-044

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
155400	SI-146-FW-2 PIPE-TO-VALVE (V-3144)	C-F-1 C5.11	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	LIMITED DUE TO CONFIGURATION **UT-38**
-----															
I-6-SI-110 (REF. DWG. NO. 02-044-D)															
155500	SI-110-FW-1 VALVE (V-3144)-TO-PIPE	C-F-1 C5.11	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	LIMITED DUE TO CONFIGURATION **UT-38**
-----															
155550	SI-2410-98 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
-----															
155600	SI-110-1-SW-15 Pipe to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
-----															
155650	SI-2410-101 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
-----															
155700	SI-110-1-SW-1 Pipe to Tee	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE. BRANCH LINE I-3-SI-137 HPSI TO LOOP 2B2 **UT-38**
-----															
155800	SI-110-1-SW-2 Tee to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE. BRANCH LINE I-3-SI-137 HPSI TO LOOP 2B2 **UT-38**
-----															
155850	SI-2410-103 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
-----															











INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2B DISCHARGE HEADER PIPING

2-044

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	**CALIBRATION BLOCK**
158500	SI-110-7A-SW-1 Pipe to Elbow	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
158600	SI-110-FW-8 Elbow to Pipe	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
158650	SI-2410-139 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	X	-	-	
158700	SI-110-8-SW-1 Pipe to Elbow	C-F-1 CS.11	SUR VOL	3	-	-	X	-	-	-	-	-	STRUCTURAL DISCONTINUITY. LIMITED DUE TO 4" CIRC. MISSED DUE TO I-BEAM OF TOP **UT-38**
158800	SI-110-FW-9 Elbow to Pipe	C-F-1 CS.11	SUR VOL	3	-	-	X	-	-	-	-	-	**UT-38**
158850	SI-2410-143 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	X	-	-	
158900	SI-110-FW-10 Pipe to Penetration 39	C-F-1 CS.11	SUR VOL	3	-	-	X	-	-	-	-	-	**UT-38**















LPSI PUMP 2B DISCHARGE HEADER PIPING  
 2-044

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
162800	SI-111-FW-802 Pipe to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
162900	SI-111-5-SW-3 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163000	SI-111-FW-6 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	**UT-38**
163100	SI-111-FW-904 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163200	SI-111-6-SW-4 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163300	SI-111-6-SW-3 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163400	SI-111-6-SW-2 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163450	SI-2410-1401 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	-	-	

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI PUMP 2B DISCHARGE HEADER PIPING  
2-044

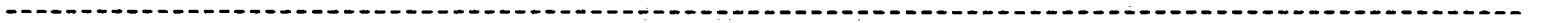
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
163500	SI-111-6-SW-1 Pipe to Elbow	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163600	SI-111-FW-7 Elbow to Pipe	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163700	SI-111-6A-SW-1 Pipe to Elbow	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163800	SI-111-6A-SW-2 Elbow to Pipe	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
163850	SI-2410-10 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	-	-	
163900	SI-111-6A-SW-3 Pipe to Elbow	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	**UT-38**
164000	SI-111-FW-8 Elbow to Pipe	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	**UT-38**
164050	SI-2410-6 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	-	-	

DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

LPSI PUMP 2B DISCHARGE HEADER PIPING  
 2-044

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				----- O U T A G E -----									
				1	2	3	1	2	3	1	2	3	**CALIBRATION BLOCK**
164100	SI-111-FW-9 PIPE-TO-PENETRATION 38	C-F-1 CS.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**





INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SAFETY INJECTION PIPING TO SI TANK 2A2

2-045

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
168000	SI-113-FW-9 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
168050	SI-4200-310 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
168100	SI-113-9-SW-1 Pipe to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
168140	SI-4200-314A RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
168180	SI-4200-314B Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
168200	SI-113-FW-10 Pipe to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
168250	SI-4200-318 RIGID BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	
168280	SI-4200-318 IA WELDED ATTACHMENTS (8 SHEAR LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	1.5" x 1/2" x 3"

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SAFETY INJECTION PIPING TO SI TANK 2A2

2-045

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS	
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E									**CALIBRATION BLOCK**	
				1	2	3	1	2	3	1	2	3		
168300	SI-113-FW-11 Pipe to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
168310	SI-4200-322A RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
168320	SI-4200-322B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
168330	SI-4200-322C-1 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
168350	SI-4200-322C-2 RIGID STRUT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	
168400	SI-4200-322C IA INTEGRAL ATTACHMENTS	C-C C3.20	SUR	3	X	-	-	-	-	-	-	-	-	8 integral attachments, welded on 3 sides, unwelded side inaccessible due to snubber clamp
168600	SI-133-FW-12 Pipe to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-38**
168620	SI-4200-326B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures















INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SAFETY INJECTION PIPING TO SI TANK 2B1

2-047

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-6-SI-111 (REF. DWG. NO. 02-047)													
175100	SI-111-FW-903 Penetration 38 to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
-----													
175150	SI-4204-1440 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	
-----													
175200	SI-111-FW-10 PIPE-TO-VALVE (V-3260)	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	X	-	**UT-38**
-----													

SAFETY INJECTION PIPING TO SI TANK 2B2  
 2-048

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-6-SI-110 (REF. DWG. NO. 02-048)													
175400	SI-110-FW-801 Penetration 39 to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
175450	SI-4203-201 Spring Support	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	
175500	SI-110-8A-SW-5 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
175600	SI-110-8A-SW-4 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
175700	SI-110-8A-SW-3 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
175800	SI-110-8A-SW-2 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-38**
175850	SI-4203-701 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
175900	SI-110-8A-SW-1 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	X	-	-	-	-	**UT-38**









SHUTDOWN COOLING LINE & OUTSIDE CONTAINMENT  
 2-049

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E										
1	2	3	1	2	3	1	2	3						
178600	SI-363-12-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
178700	SI-363-12-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
178800	SI-363-FW-14 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
178900	SI-363-FW-14-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
179000	SI-363-13-SW-1 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING, COUNTERBORED TO SCH 20.
179100	SI-363-13-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
179150	SI-2412-112 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
179200	SI-363-FW-15 Pipe to Valve (V-3664)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING LINE A OUTSIDE CONTAINMENT

2-049

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-SI-420 (REF. DWG. NO. 02-049-A)													
179300	SI-420-FW-1 Valve (V-3664) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
179400	SI-420-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
179500	SI-420-FW-905 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING, COUNTERBORED TO SCH 20.
179600	SI-420-FW-905-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
179650	SI-2412-108 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
179700	SI-420-FW-908 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
179800	SI-420-FW-908-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
179900	SI-420-FW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.



SHUTDOWN COOLING LINE A OUTSIDE CONTAINMENT

2-049

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-SI-420 (REF. DWG. NO. 02-049-B)													
180700	SI-420-FW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
180800	SI-420-FW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
180900	SI-420-FW-907 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
181000	SI-420-FW-907-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
181100	SI-420-FW-906 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
181200	SI-420-FW-906-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
181250	SI-2412-99 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
181300	SI-420-3-SW-3 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.







SHUTDOWN COOLING LINE A OUTSIDE CONTAINMENT

2-049

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
182700	SI-420-5-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.

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182800	SI-420-5-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
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182850	SI-2412-871 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
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182900	SI-420-FW-6 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
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183000	SI-420-FW-6A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
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183100	SI-420-6-SW-3 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
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183200	SI-420-6-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
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183300	SI-420-6-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
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SHUTDOWN COOLING LINE A OUTSIDE CONTAINMENT

2-049

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
184100	SI-424-1-SW-8 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING, WELD IS PART OF LINE I-10-SI-420. SEE ZONE 2-073
184200	SI-424-1-SW-8A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
184300	SI-424-1-SW-7 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING, WELD IS PART OF LINE I-10-SI-420. SEE ZONE 2-073
184400	SI-424-1-SW-7-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
184500	SI-424-1-SW-6 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	14" X 14" X 10" REDUCING TEE. WELDED SS PIPE/FITTING, WELD IS PART OF LINE I-10-SI-420. SEE ZONE 2-073



SHUTDOWN COOLING LINE B OUTSIDE CONTAINMENT

2-050

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
186450	SI-2407-149 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	X	-	-	
186500	SI-422-FW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
186600	SI-422-FW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
186700	SI-422-2-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
186800	SI-422-2-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
186900	SI-422-2-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
187000	SI-422-2-SW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
187100	SI-422-FW-3 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.

SHUTDOWN COOLING LINE B OUTSIDE CONTAINMENT

2-050

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
187200	SI-422-FW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
187240	SI-2407-143B RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	X	-	-	
187280	SI-2407-143A Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures, 8 lugs
187300	SI-2407-143A IA WELDED ATTACHMENTS (8 LOGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	THICKNESS = 1 1/2"
187350	SI-2407-143C Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
187400	SI-422-FW-903 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
187500	SI-422-FW-903-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
187600	SI-422-3-SW-8 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.











SHUTDOWN COOLING LINE B OUTSIDE CONTAINMENT

2-050

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
190250	SI-2407-127 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
190300	SI-2407-127 IA WELDED ATTACHMENTS (8 LOGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	THICKNESS = 1 1/2"
190400	SI-422-FW-7 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
190500	SI-422-FW-7-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	
190550	SI-2407-125 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	
190600	SI-422-7-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
190700	SI-422-7-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	
190800	SI-422-FW-8 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.

SHUTDOWN COOLING LINE B OUTSIDE CONTAINMENT

2-050

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
190900	SI-422-FW-8-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
190940	SI-2407-121B RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	-		
190980	SI-2407-121A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures	
191000	SI-422-8-SW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.	
191100	SI-422-8-SW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-		
191200	SI-422-8-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.	
191300	SI-422-8-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-		
191400	SI-422-8-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.	





REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING LINE B OUTSIDE CONTAINMENT

2-050

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**						
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD									
				1	2	3	1	2	3	1	2	3							
192700	SI-466-1-SW-6 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING. 14" X 14" X 10" REDUCING TEE. PART OF LINE I-10-SI-422 & SPOOL I-14-SI-466-1. SEE ZONE 2-074









SHUTDOWN COOLING LINE A INSIDE CONTAINMENT

2-051

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
196300	SI-363-2-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
196400	SI-363-2-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
196500	SI-363-FW-3 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
196600	SI-363-FW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
196650	SI-4205-6733 RIGID STRUT & FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
196700	SI-363-3-SW-3 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
196800	SI-363-3-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
196900	SI-363-FW-4 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.





SHUTDOWN COOLING LINE & INSIDE CONTAINMENT

2-051

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
198100	SI-363-FW-7 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
198200	SI-363-7-FW-7A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
198300	SI-363-7-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
198400	SI-363-7-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
198500	SI-363-FW-902 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING
198600	SI-363-FW-902-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
198650	SI-4205-6747 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
198700	SI-363-7-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.







SHUTDOWN COOLING LINE A INSIDE CONTAINMENT

2-051

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
200300	SI-363-8-SW-3 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
200400	SI-363-8-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
200500	SI-363-8-SW-7 Branch Connection (Weldolet)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	BRANCH RUN 6-SI-364 TO RELIEF VALVE V-3667, PART OF SPOOL I-10-SI-363-8.
I-6-SI-364 (REF. DWG. NO. 02-051-B)															
200600	SI-364-8-SW-5 Weldolet to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	BRANCH RUN 6-SI-364 TO RELIEF VALVE V-3667, PART OF SPOOL I-10-SI-363-8. SEAMLESS SS PIPE. TERMINAL END.
200700	SI-364-8-SW-6 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	BRANCH RUN 6-SI-364 TO RELIEF VALVE V-3667, PART OF SPOOL I-10-SI-363-8. SEAMLESS SS PIPE. TERMINAL END.
I-10-SI-363 (REF. DWG. NO. 02-051-B)															
200750	SI-4205-6756 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	X	-	-	
200800	SI-363-8-SW-4 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING LINE A INSIDE CONTAINMENT

2-051

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
200900	SI-363-8-SW-4A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
201000	SI-363-FW-9 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
201100	SI-363-FW-9-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
201200	SI-363-9-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
201300	SI-363-9-SW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
201400	SI-363-9-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
201500	SI-363-9-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
201600	SI-363-FW-10 Pipe to Penetration 64	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING. TERMINAL ENDS.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING LINE B INSIDE CONTAINMENT

2-052

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E										
			1	2	3	1	2	3	1	2	3			
I-10-SI-362 (REF. DWG. NO. 02-052-A)														
203500	SI-362-FW-1 VALVE (V-3651)-TO-PIPE	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	SEAMLESS SS PIPE.
203600	SI-362-1-SW-1 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	SEAMLESS SS PIPE/FITTING, TAPER BORED TO SCH 20.
203700	SI-362-FW-903 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
203800	SI-362-FW-903-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
203930	SI-4205-4900C Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
203960	SI-4205-4900A RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
203990	SI-4205-4900B RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
204000	SI-362-FW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.









INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING LINE B INSIDE CONTAINMENT

2-052

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
206700	SI-362-FW-5 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
206800	SI-362-5-FW-5A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
206900	SI-362-5-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
207000	SI-362-5-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
207050	SI-4205-6444 RIGID BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
207100	SI-362-5-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
207200	SI-362-5-SW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
207300	SI-362-5-SW-3 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.



SHUTDOWN COOLING LINE B INSIDE CONTAINMENT

2-052

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
207400	SI-362-5-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
207500	SI-362-5-SW-4 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
207600	SI-362-5-SW-4A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
207700	SI-362-5-SW-5 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.
207800	SI-362-5-SW-5-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
207900	SI-362-FW-6 Pipe to Penetration 40	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED SS PIPE/FITTING.

SHUTDOWN COOLING HEAT EXCHANGER 2A  
 2-055

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-055-A)													
209200	1-2701 FLANGE TO BODY	C-A C1.10	VOL	3	X	-	-	-	-	-	-	-	LIMITED DUE TO PARTIAL OBSTRUCTION OF THE INLET & OUTLET NOZZLE PADS. **UT-52**
209300	1-2702 BODY TO TUBESHEET	C-A C1.30	VOL	3	X	-	-	-	-	-	-	-	LIMITED DUE TO PARTIAL OBSTRUCTION OF THE INLET & OUTLET NOZZLE PADS. **UT-52**
209400	1-2741-1 Inlet Nozzle to Vessel	C-B C2.33	VT-2	3	X	-	-	X	-	-	X	-	This weld is covered by a reinforcement plate, examine telltale hole during category C-H examinations, if weld becomes accessible, examine to item C2.32
209500	1-2741-2 PAD TO VESSEL	C-B C2.31	SUR	3	X	-	-	-	-	-	-	-	REINFORCEMENT PAD WELD.
209600	1-2741-3 PAD TO VESSEL	C-B C2.31	SUR	3	X	-	-	-	-	-	-	-	REINFORCEMENT PAD WELD.
209700	1-2742-1 Outlet Nozzle to Vessel	C-B C2.33	VT-2	3	X	-	-	X	-	-	X	-	This weld is covered by a reinforcement plate, examine telltale hole during category C-H examinations, if weld becomes accessible, examine to item C2.32

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A

2-055

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
209800	1-2742-2 PAD TO VESSEL	C-B C2.31	SUR	3	X	-	-	-	-	-	-	-	-	-	REINFORCEMENT PAD WELD.
-----															
209900	1-2742-3 PAD TO VESSEL	C-B C2.31	SUR	3	X	-	-	-	-	-	-	-	-	-	REINFORCEMENT PAD WELD.
-----															

SHUTDOWN COOLING HEAT EXCHANGER 2B  
 2-056

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-056)													
210000	2-2701 FLANGE-TO-BODY WELD	C-A C1.10	VOL	3	-	-	-	-	-	-	-	-	**UT-56**
210100	2-2702 BODY-TO-TUBESHEET WELD	C-A C1.30	VOL	3	-	-	-	-	-	-	-	-	**UT-56**
210200	2-2741-1 INLET NOZZLE-TO-VESSEL WELD	C-B C2.33	VT-2	3	-	-	-	-	-	-	-	-	This weld is covered by a reinforcement plate, examine telltale hole during category C-H examinations, if weld becomes accessible, examine to item C2.32
210300	2-2741-2 PAD-TO-VESSEL	C-B C2.31	SUR	3	-	-	-	-	-	-	-	-	REINFORCEMENT PAD WELD.
210400	2-2741-3 PAD-TO-VESSEL	C-B C2.31	SUR	3	-	-	-	-	-	-	-	-	REINFORCEMENT PAD WELD.
210500	2-2742-1 OUTLET NOZZLE-TO-VESSEL WELD	C-B C2.33	VT-2	3	-	-	-	-	-	-	-	-	This weld is covered by a reinforcement plate, examine telltale hole during category C-H examinations, if weld becomes accessible, examine to item C2.32

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 REVISION: 0

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 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

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SHUTDOWN COOLING HEAT EXCHANGER 2B  
 2-056

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
210600	2-2742-2 PAD-TO-VESSEL	C-B C2.31	SUR	O U T A G E									REINFORCEMENT PAD WELD.	
				3	-	-	-	-	-	-	-	-	-	
-----														
210700	2-2742-3 PAD-TO-VESSEL	C-B C2.31	SUR	O U T A G E									REINFORCEMENT PAD WELD	
				3	-	-	-	-	-	-	-	-	-	
-----														

SAFETY INJECTION TANK 2A1 PIPING

2-057

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-SI-458 (REF. DWG. NO. 02-057)													
210800	SI-2A1 Nozzle Ext. to Ext. Piece			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
210900	SI-458-FW-1 Ext. Piece to Elbow			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211000	SI-458-FW-1A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211100	SI-458-1-SW-1 Elbow to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211200	SI-458-1-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211300	SI-458-1-SW-2 Pipe to Elbow			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211400	SI-458-1-SW-2A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211500	SI-458-1-SW-3 Elbow to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SAFETY INJECTION TANK 2A1 PIPING

2-057

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
211600	SI-458-1-SW-3-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211650	SI-4201-770 RIGID FRAME SUPPORT			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211700	SI-458-1-SW-6 Pipe to Pipe			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211800	SI-458-1-SW-6-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211850	SI-4201-7701 RIGID FRAME SUPPORT			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
211900	SI-458-FW-2 Pipe to Elbow			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
212000	SI-458-FW-2A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
212100	SI-458-2-SW-1 Elbow to Pipe			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)





INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SAFETY INJECTION TANK 2A2 PIPING

2-058

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-SI-457 (REF. DWG. NO. 02-058)													
213300	SI-2A2 Nozzle to Extension Piece		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
213400	SI-457-FW-1 Extension Piece to Elbow		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
213500	SI-457-1-FW-1A-LS ELBOW LONG SEAM		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
213600	SI-457-1-SW-3 Elbow to Pipe		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
213700	SI-457-1-SW-3-LS PIPE LONG SEAM		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
213750	SI-4200-6356 Spring Support		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
213800	SI-457-1-SW-2 Pipe to Elbow		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
213900	SI-457-1-SW-2A-LS ELBOW LONG SEAM		3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)

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 REVISION: 0

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 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

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SAFETY INJECTION TANK 2A2 PIPING

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
214000	SI-457-1-SW-1 Elbow to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214100	SI-457-1-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214150	SI-4200-359A RIGID FRAME SUPPORT			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214200	SI-457-1-SW-7 Pipe to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214300	SI-457-1-SW-7-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214400	SI-457-FW-2 Pipe to Elbow			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214500	SI-457-FW-2A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214600	SI-457-2-SW-1 Elbow to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)

DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

SAFETY INJECTION TANK 2A2 PIPING

2-058

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
214700	SI-457-2-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214750	SI-4200-6364 RIGID STRUT SUPPORT			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214800	SI-457-2-SW-2 Pipe to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
214900	SI-457-2-SW-2-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
215000	SI-457-FW-3 Pipe to Valve (V-3215)			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
I-12-SI-101 (REF. DWG. NO. 02-058)															
215100	SI-101-FW-1 VALVE V-3215 TO PIPE	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-35**
215200	SI-101-FW-2 PIPE TO VALVE V-3614	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	**UT-35**

**SAFETY INJECTION TANK 2B1 PIPING**  
 2-059

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-SI-460 (REF. DWG. NO. 02-059)													
215700	SI-2B1 Nozzle to Ext. Piece			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
215800	SI-460-FW-1 Ext. Piece to Elbow			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
215900	SI-460-FW-1A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
216000	SI-460-FW-905 Elbow to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
216100	SI-460-FW-905-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
216200	SI-460-FW-904 Pipe to Elbow			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
216300	SI-460-FW-904A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
216350	SI-4204-102 Spring Support			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SAFETY INJECTION TANK 2B1 PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
216400	SI-4204-102 WELDED ATTACHMENTS (4 LUGS)			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
216500	SI-460-FW-903 Elbow to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
216600	SI-460-FW-903-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
216700	SI-460-FW-907 Pipe to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
216800	SI-460-FW-907-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
216850	SI-4204-1030 RIGID STRUT SUPPORT			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
216900	SI-460-FW-908 Pipe to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
217000	SI-460-FW-908-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)





SAFETY INJECTION TANK 2B2 PIPING  
 2-060

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-SI-459 (REF. DWG. NO. 02-060)													
218800	SI-2B2 NOZZLE-TO-EXT. PIECE			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
218900	SI-459-FW-1 EXT. PIECE-TO-ELBOW			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
219000	SI-459-FW-1A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
219100	SI-459-1-SW-1 Elbow to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
219200	SI-459-1-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
219300	SI-459-1-SW-2 Pipe to Elbow			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
219400	SI-459-1-SW-2-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													
219500	SI-459-1-SW-3 Elbow to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
-----													



SAFETY INJECTION TANK 2B2 PIPING

2-060

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
219600	SI-459-1-SW-3-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
219700	SI-459-FW-2 Pipe to Elbow			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
219800	SI-459-FW-2A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
219900	SI-459-2-SW-1 Elbow to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220000	SI-459-2-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220050	SI-4203-381 RIGID FRAME SUPPORT			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220100	SI-4203-381 WELDED ATTACHMENTS (4 LOGS)			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220200	SI-459-2-SW-4 Pipe to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)

SAFETY INJECTION TANK 2B2 PIPING

2-060

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
220300	SI-459-2-SW-4-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220350	SI-4203-42 RIGID STRUT SUPPORT			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220400	SI-459-FW-3 Pipe to Elbow			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220500	SI-459-FW-3A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220600	SI-459-3-SW-1 Elbow to Pipe			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220700	SI-459-3-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220750	SI-4203-44 RIGID FRAME SUPPORT			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220800	SI-4203-44 WELDED ATTACHMENTS (8 LUGS)			3	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SAFETY INJECTION TANK 2B2 PIPING

2-060

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
220850	SI-4203-441 RIGID FRAME SUPPORT			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
220900	SI-459-FW-4 Pipe to Elbow			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
221000	SI-459-FW-4A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
221100	SI-459-4-SW-2 Elbow to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
221200	SI-459-4-SW-2-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
221250	SI-4203-48 RIGID FRAME SUPPORT			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
221300	SI-459-4-SW-1 Pipe to Pipe			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)
221400	SI-459-FW-5 Pipe to Valve (V-3245)			3	-	-	-	-	-	-	-	-	-	-	EXEMPT PER IWC-1221 (c)



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

HPSI PUMP 2A TO HEADER A  
2-061

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-SI-208 (REF. DWG. NO. 02-061)													
222200	SI-208-1-SW-5 Flange to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
222300	SI-208-1-SW-4 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
222400	SI-208-1-SW-3 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
222500	SI-208-1-SW-7 SOCKOLET 2"	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	3" X 2" 6000# SOCKOLET.
222550	SI-2416-378 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
222600	SI-208-FW-901 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
222700	SI-208-1-SW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
222800	SI-208-FW-1 Pipe to Valve V-3427	C-F-1 C5.21	SUR VOL	3	-	-	-	X	-	-	-	-	**3-SS-160-.434-22**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

HPSI PUMP 2A TO HEADER A

2-061

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
222900	V-3427 SWING CHECK VALVE		VT-2	3	-	-	-	-	-	-	-	-	-	-	
-----															
223000	SI-208-FW-2 Valve V-3427 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
-----															
I-3-SI-212 (REF. DWG. NO. 02-061)															
223100	SI-212-1-SW-5 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	STRUCTURAL DISCONTINUITY **3-SS-160-.434-22 -SLC**
-----															
223200	SI-212-1-SW-6 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
-----															
223300	SI-212-FW-901 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
-----															
223400	SI-212-1-SW-8 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
-----															
I-3-SI-380 (REF. DWG. NO. 02-061)															
223500	SI-380-FW-1 PIPE-TO-VALVE (V-3547)	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

NPSI PUMP 2A TO HEADER A  
2-061

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
1	2	3	1	2	3	1	2	3	1	2	3		
I-3-SI-212 (REF. DWG. NO. 02-061)													
223600	SI-212-1-SW-4 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
-----													
223650	SI-2416-44-1 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
223700	SI-212-1-SW-3 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE **3-SS-160-.434-22 -SLC**
-----													
I-6-SI-212 (REF. DWG. NO. 02-061)													
223800	SI-212-1-SW-13 PIPE CAP-TO-PIPE	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-54**
-----													
223900	SI-212-1-SW-2 Pipe to Tee	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE. **UT-54**
-----													
224000	SI-212-1-SW-1 Tee to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	X	-	6" X 6" X 3" REDUCING TEE, STRUCTURAL DISCONTINUITY. **UT-54**
-----													
224050	SI-2416-44-2 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
224100	SI-212-FW-1 PIPE-TO-VALVE (V-3656)	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	X	-	**UT-38**
-----													





HPSI PUMP 2A TO HEADER A  
 2-061

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
224900	SI-105-1-SW-5 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
225000	SI-105-FW-2 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-38**
225100	SI-105-2-SW-9 SOCKOLET 2"	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	-	-	6" X 2" 6000# SOCKOLET. **UT-38**
225150	SI-2416-524 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
225200	SI-105-2-SW-8 SOCKOLET 2"	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	X	-	-	-	6" X 2" 6000# SOCKOLET. **UT-38**
225300	SI-105-2-SW-6 SOCKOLET 2"	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	X	-	-	-	6" X 2" 6000# SOCKOLET. **UT-38**
225350	SI-2416-4846 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
225400	SI-105-2-SW-3 Pipe to Reducer	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	6" X 4" CONCENTRIC REDUCER **UT-38**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

HPSI PUMP 2A TO HEADER A  
2-061

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-4-SI-105 (REF. DWG. NO. 02-061)														
225500	SI-105-2-SW-2 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	6" X 4" CONCENTRIC REDUCER, STRUCTURAL DISCONTINUITY. **UT-39**
-----														
225600	SI-105-2-SW-1 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**UT-39**
-----														
I-4-SI-128 (REF. DWG. NO. 02-061)														
225700	SI-128-FW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**TO BE DETERMINED**
-----														
225750	SI-2416-58 BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	
-----														
225800	SI-2416-58 IA WELDED ATTACHMENT (8 LUGS)	C-C C3.20	SUR	3	X	-	-	-	-	-	-	-	-	LUGS ARE 2" W x T = 3/4" x 2" H; LUGS ARE FILLET WELDED ON (2) SIDES; OBSTRUCTED BY SUPPORTS.
-----														
225900	SI-128-1-SW-1 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**To be determined**
-----														
226000	SI-128-1-SW-2 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**To be determined**
-----														

DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

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HPSI PUMP 2A TO HEADER A  
 2-061

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
226050	SI-2416-630 BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	-	-	-	-	-
226100	SI-2416-630 IA WELDED ATTACHMENTS (8 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2' W x T = 3/4" x 2" E; LUGS FILLET WELDED ON (2) SIDES, OBSTRUCTED BY SUPPORTS.
226200	SI-128-1-SW-4 SOCKOLET 2"	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
226300	SI-128-1-SW-3 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4" X 2" CONCENTRIC REDUCER **To be determined**



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

HPSI PUMP 2B TO HEADER B  
2-062

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
228100	SI-211-FW-2 Valve V-3414 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	**CALIBRATION BLOCK** **3-SS-160-.434-22 -SLC**
-----															
I-3-SI-213 (REF. DWG. NO. 02-062)															
228200	SI-213-1-SW-5 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
-----															
228300	SI-213-1-SW-6 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22 -SLC**
-----															
228400	SI-213-1-SW-7 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 6" X 6" X 3" REDUCING TEE **3-SS-160-.434-22 -SLC**
-----															
I-6-SI-213 (REF. DWG. NO. 02-062)															
228500	SI-213-1-SW-9 PIPE CAP-TO-PIPE	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, PIPE CAP COUNTERBORED TO SCH 120. **UT-54**
-----															
228550	SI-2415-2161 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	-	-	
-----															
228600	SI-213-1-SW-8 Pipe to Tee	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 6" X 6" X 3" REDUCING TEE **UT-54**
-----															
228700	SI-213-1-SW-10 Tee to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 6" X 6" X 3" REDUCING TEE **UT-54**
-----															

HPSI PUMP 2B TO HEADER B  
 2-062

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
228750	SI-2415-2141 Rigid Telescoping Strut	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	-	-	
228800	SI-213-FW-1 PIPE-TO-VALVE (V-3654)	C-F-1 C5.11	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	SS, NCR 1415 M-REPAIR WELD 1 1/2" DOWNSTREAM OF SI-213-FW-1. TERMINAL END. LIMITED DUE TO CONFIGURATION. **UT-54**
228900	SI-213-FW-2 Valve V-3654 to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	SS, LIMITED DUE TO CONFIGURATION **UT-54**
228950	SI-2415-211 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
229000	SI-213-2-SW-1 Pipe to Elbow	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-54**
229200	SI-213-FW-904 Elbow to Pipe	C-F-1 C5.11	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-54**
229300	SI-2415-213 Integral attachments			3	-	-	-	-	-	-	-	-	-	-	8 attachments, no examination required, support has been removed and no longer provides a support function



MAIN STEAM LINE 2A1 INSIDE CONTAINMENT

2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-36-MS-52 (REF. DWG. NO. 02-063)													
230400	MS-201-208 NOZZLE-TO-EXT. PIECE	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	**UT-45**
230500	MS-52-FW-1 EXT. PIECE-TO-ELBOW	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	36.625" O.D. X 1.245" MW WELDED ELBOW. TERMINAL END., Exam to include intersecting L/S within UT examination area, footnotes (5)(6) **UT-45**
230600	MS-52-FW-1A-LS ELBOW LONG SEAM		SUR VOL	3	X	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
230700	MS-52-FW-1B-LS ELBOW LONG SEAM		SUR VOL	3	X	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
230800	MS-28-1-SW-1 ELBOW-TO-REDUCER	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	36.625" O.D. X 1.245" MW WELDED ELBOW, 36" X 34" CONCENTRIC REDUCER, Exam to include intersecting L/S within UT examination area, footnote (5)(6). **UT-45**



MAIN STEAM LINE 2A1 INSIDE CONTAINMENT

2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-36-MS-28 (REF. DWG. NO. 02-063)													
230900	MS-28-1-SW-1A-LS REDUCER LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
-----													
231000	MS-28-1-SW-1B-LS REDUCER LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
-----													
I-34-MS-28 (REF. DWG. NO. 02-063)													
231100	MS-28-1-SW-2 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	36.625" O.D.(1.245" MW) X 34" O.D.(1.200" MW)concentric reducer, 34" O.D. X 1.250" MW pipe, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
-----													
231200	MS-28-1-SW-2-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
-----													
231250	MS-4100-4 CONSTANT SPRING SUPPORT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	
-----													

MAIN STEAM LINE 2A1 INSIDE CONTAINMENT

2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
231300	MS-28-1-SW-3 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE., 34" O.D.X 1.200" MW WELDED ELBOW, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
231400	MS-28-1-SW-3A-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
231500	MS-28-1-SW-3B-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
231600	MS-28-FW-1 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE. 34" O.D.X 1.200" MW WELDED ELBOW, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
231700	MS-28-FW-1-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**

MAIN STEAM LINE 2A1 INSIDE CONTAINMENT  
 2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
231750	MS-4100-51 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
231800	MS-28-2-SW-1 PIPE-TO-FLOW ELEMENT (FE-8011)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
231900	MS-28-2-SW-1-LS FLOW ELEMENT LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
232000	MS-28-FW-3 FLOW ELEMENT (FE-8011)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
232100	MS-28-FW-3-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
232150	MS-4100-9 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

MAIN STEAM LINE 2A1 INSIDE CONTAINMENT  
 2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
232200	MS-4100-9 IA Integral Attachments (8)	C-C C3.20	SUR	3	-	-	-	X	-	-	-	-	-	THICKNESS = 2 1/2"
232250	MS-4100-6079 CONSTANT SPRING SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
232300	MS-4100-6079 IA WELDED ATTACHMENTS (4 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	THICKNESS = 1 1/4"
232400	MS-28-3-SW-1 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE. 34" O.D.X 1.200" MW WELDED ELBOW, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
232500	MS-28-3-SW-1A-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
232600	MS-28-3-SW-1B-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**

MAIN STEAM LINE 2A1 INSIDE CONTAINMENT

2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
232650	MS-4100-101 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
232700	MS-28-FW-4 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE. 34" O.D. X 1.200" MW WELDED ELBOW, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
232800	MS-28-FW-4-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
232850	MS-4100-13 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
232900	MS-28-FW-4A Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE. 34" O.D. X 1.200" MW WELDED ELBOW, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
233000	MS-28-FW-4AA-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**

MAIN STEAM LINE 2A1 INSIDE CONTAINMENT

2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
233100	MS-28-FW-4AB-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
233150	MS-4100-15 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
233200	MS-28-FW-5 ELBOW-TO-ELBOW	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.200" MW WELDED ELBOW, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
233300	MS-28-FW-5A-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
233400	MS-28-FW-5B-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
233450	MS-4100-16B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

MAIN STEAM LINE 2A1 INSIDE CONTAINMENT  
 2-063

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
233480	MS-4100-16B IA Integral Attachment	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	THICKNESS = .84"
233500	MS-28-5-SW-1 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	34" O.D. X 1.250" MW WELDED PIPE. 34" O.D. X 1.200" MW WELDED ELBOW. SRP 6.6 APPLIES. Examine L/S between first whip restraint & FW-6. STRUCTURAL DISCONT **UT-45**
233700	MS-28-5-SW-1-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	X	-	-	Examine L/S between first whip restraint and FW-6, SRP 6.6 applies, Exam performed during UT of intersecting circ weld. **UT-45**
233740	MS-4100-16A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
233780	MS-4100-6082A CONSTANT SPRING SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
233800	MS-28-FW-6 PIPE-TO-PENETRATION 1	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE. SRP 6.6 APPLIES. Examine L/S between first whip restraint & FW-6 (IN GUARD PIPE). **UT-45**

MAIN STEAM LINE 2B1 INSIDE CONTAINMENT  
 2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-36-MS-53 (REF. DWG. NO. 02-064)													
235600	MS-201-208 NOZZLE-TO-EXT. PIECE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-45**
235700	MS-53-FW-1 EXT. PIECE-TO-ELBOW	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	36.625" O.D. X 1.245" MW WELDED ELBOW, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
235800	MS-53-FW-1A-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
235900	MS-53-FW-1B-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
236000	MS-29-1-SW-1 ELBOW-TO-REDUCER	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	36.625" OD X 1.245" MW welded el. 36.625" OD(1.245" MW) X 34" O.D. (1.200" MW). concentric reducer, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**



MAIN STEAM LINE 2B1 INSIDE CONTAINMENT  
 2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-36-MS-29 (REF. DWG. NO. 02-064)													
236100	MS-29-1-SW-1A-LS REDUCER LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
-----													
236200	MS-29-1-SW-1B-LS REDUCER LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
-----													
I-34-MS-29 (REF. DWG. NO. 02-064)													
236300	MS-29-1-SW-2 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	36.625" OD(1.245" MW) X 34" OD(1.200" MW). 36" X 34" concentric reducer, 34" OD X 1.250" MW welded pipe, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
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236400	MS-29-1-SW-2-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
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236450	MS-4101-320 CONSTANT SPRING SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	
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MAIN STEAM LINE 2B1 INSIDE CONTAINMENT  
 2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
236500	MS-29-1-SW-3 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.200" MW WELDED ELBOW. WELDED PIPE MATL.- KC-65, CL-1, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
236600	MS-29-1-SW-3A-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
236700	MS-29-1-SW-3B-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
236800	MS-29-FW-1 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" OD X 1.250" MW welded pipe. 34" OD X 1.200 MW welded elbow, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
236900	MS-29-FW-1-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2B1 INSIDE CONTAINMENT

2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
236950	MS-4101-319 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** Snubbers examined in accordance with plant procedures
237000	MS-29-2-SW-1 PIPE-TO-FLOW ELEMENT (FE-8021)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	-	34" O.D. X 1.250" MW WELDED PIPE. STRUCTURAL DISCONTINUITY, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**	
237100	MS-29-2-SW-1-LS FLOW ELEMENT LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**	
237200	MS-29-FW-3 FLOW ELEMENT (FE-8021)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW welded pipe, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**	
237300	MS-29-FW-3-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**	
237350	MS-4101-314 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures	

MAIN STEAM LINE 2B1 INSIDE CONTAINMENT  
 2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
237400	MS-4101-314 IA WELDED ATTACHMENTS (8 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	THICKNESS = 2 1/2"
237440	MS-4101-315 CONSTANT SPRING SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	
237480	MS-4101-315 IA WELDED ATTACHMENTS (4 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	THICKNESS = 1 1/4"
237500	MS-29-3-SW-1 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	-	34" OD X 1.250" MW welded pipe, 34" OD X 1.200" MW welded el., structural discontinuity, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
237600	MS-29-3-SW-1A-LS Elbow Longitudinal Seam		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
237700	MS-29-3-SW-1B-LS Elbow Longitudinal Seam		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2B1 INSIDE CONTAINMENT

2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E										
1	2	3	1	2	3	1	2	3	1	2	3			
237900	MS-29-FW-4 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	34" OD X 1.250" MW welded pipe 34" OD X 1.200" MW welded el., Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
238000	MS-29-FW-4-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
238040	MS-4101-313 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
238080	MS-4101-310A Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
238100	MS-29-FW-5 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	34" OD X 1.250" MW welded pipe, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
238200	MS-29-FW-5-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**

MAIN STEAM LINE 2B1 INSIDE CONTAINMENT

2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
238240	MS-4101-310B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
238280	MS-4101-310C CLAMP SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
238300	MS-29-FW-901 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW welded pipe, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
238400	MS-29-FW-901-LS Pipe Longitudinal Seam		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
238500	MS-29-FW-5A Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	34" OD X 1.250" MW welded pipe 34" OD X 1.200" MW welded el., STRUCTURAL DISCONTINUITY, Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
238600	MS-29-FW-5AA-LS Elbow Longitudinal Seam		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**

MAIN STEAM LINE 2B1 INSIDE CONTAINMENT  
 2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
238700	MS-29-FW-5AB-LS Longitudinal Seam		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
238750	MS-4101-305 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
238800	MS-29-FW-6 ELBOW-TO-ELBOW	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" OD X 1.200" MW welded el., Exam to include intersecting L/S within UT examination area, footnotes (5)(6). **UT-45**
238900	MS-29-FW-6A-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
239000	MS-29-FW-6B-LS ELBOW LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	-	-	-	Examined as part of intersecting circ weld-footnotes (5)(6) **UT-45**
239100	MS-29-6-SW-1 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	34" OD X 1.250" MW welded pipe 34" OD X 1.200" MW welded el., STRUCTURAL DISCONTINUITY, SRP 6.6 applies **UT-45**

MAIN STEAM LINE 2B1 INSIDE CONTAINMENT

2-064

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
239200	MS-29-6-SW-1-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	-	X	-	-	EXAMINE LONG WELD FROM 1ST WHIP RESTRAINT (IN GUARD PIPE) **UT-45**
239230	MS-4101-304A RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
239260	MS-4101-304B RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	-	
239290	MS-4101-3021A Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
239300	MS-29-FW-7 PIPE-TO-PENETRATION 2	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE **UT-45**



MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT  
 2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
241500	MS-1-SW-F1 PENETRATION 1-TO-PIPE	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	35 1/2" OD X 2.000" MW welded pipe, TERMINAL END, SRP 6.6 applies **UT-44**
241600	MS-1-SW-F1-LS PIPE LONG SEAM		SUR VOL	3	X	-	-	-	-	-	-	-	Examine entire L/S, SRP 6.6 applies **UT-44**
241700	MS-1-FW-1 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	35 1/2" OD X 2.000" MW welded pipe, SRP 6.6 applies **UT-44**
241800	MS-1-FW-1-LS PIPE LONG SEAM		SUR VOL	3	X	-	-	-	-	-	-	-	Examine entire L/S, SRP 6.6 applies, LIMITED BY WELDED ATTACHMENT. **UT-44**
241900	MS-1-1-SW-30 PIPE-TO-WELDOLET	C-F-2 C5.81	SUR	3	X	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE. STRUCTURAL DISCONTINUITY.
242000	MS-1-1-SW-29 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	X	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9. STRUCTURAL DISCONTINUITY.

MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT  
 2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-6-MS-74 (REF. DWG. NO. 02-065-A)													
242100	MS-1-1-SW-9 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE, PER SHAW DETAIL 9320-10. STRUCTURAL DISCONTINUITY. **UT-49**
-----													
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
242200	MS-1-1-SW-28 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-63 (REF. DWG. NO. 02-065-A)													
242300	MS-1-1-SW-8 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE, PER SHAW DETAIL 9320-10. **UT-49**
-----													
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
242400	MS-1-1-SW-27 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-64 (REF. DWG. NO. 02-065-A)													
242500	MS-1-1-SW-7 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE. PER SHAW DETAIL 9320-10. **UT-49**

MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT  
 2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
242550	MS-4102-2305 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
242600	MS-1-1-SW-22 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-65 (REF. DWG. NO. 02-065-A)													
242700	MS-1-1-SW-6 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE PER SHAW DETAIL 9320-10. **UT-49**
-----													
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
242800	MS-1-1-SW-21 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-66 (REF. DWG. NO. 02-065-A)													
242900	MS-1-1-SW-5 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE, PER SHAW DETAIL 9320-10. **UT-49**
-----													

MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT

2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
243000	MS-1-1-SW-20 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-71 (REF. DWG. NO. 02-065-A)													
243100	MS-1-1-SW-4 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE, PER SHAW DETAIL 9320-10. **UT-49**
-----													
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
243200	MS-1-1-SW-19 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-72 (REF. DWG. NO. 02-065-A)													
243300	MS-1-1-SW-3 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE, PER SHAW DETAIL 9320-10. **UT-49**
-----													
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
243400	MS-1-1-SW-18 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.

MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT

2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-6-MS-73 (REF. DWG. NO. 02-065-A)													
243500	MS-1-1-SW-2 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# R.F. LONG WELD NECK FLANGE, PER SHAW DETAIL 9320-10. **UT-49**
-----													
I-35.5-MS-1 (REF. DWG. NO. 02-065-A)													
243600	MS-1-1-SW-1 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE, SRP6.6 applies **UT-44**
-----													
243700	MS-1-1-SW-1-LS PIPE LONG SEAM		SUR VOL	3	X	-	-	-	-	-	-	-	Examine entire L/S, SRP 6.6 applies **UT-44**
-----													
243750	MS-4102-2721 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
243800	MS-1-FW-2 PIPE-TO-VALVE (HCV-08-1A)	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE. STRUCTURAL DISCONTINUITY **UT-44**
-----													
243900	MS-32-FW-1 Valve HCV-08-1A to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	34" O.D. X 1.250" MW WELDED PIPE. HRC BRANCH TECHNICAL POSITION APCSB 3-1 and SRP6.6 Applies **UT-44**
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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT

2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
244000	MS-32-FW-1-LS Long Seam		SUR VOL	3	-	-	-	X	-	-	-	-	-	-	**CALIBRATION BLOCK** Examine entire L/S, SRP6.6 applies **UT-44**

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244050	MS-4102-2705 RIGID FRAME SUPPORT WITH 4 TRUNNIONS	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	-	
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244100	MS-4102-2705 IA Integral Attachments	C-C C3.20	SUR	3	-	-	-	X	-	-	-	-	-	-	THICKNESS = 1 1/4", examine per leak before break criteria
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I-10-MS-79 (REF. DWG. NO. 02-065-A)

244200	MS-79-FW-905 WELDOLET-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-46**
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244300	MS-79-FW-1 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-46**
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I-10-MS-79 (REF. DWG. NO. 02-065-B)

244350	MS-4102B-1902 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
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244400	MS-79-1-SW-1 Pipe to Tee	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-46**
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MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT

2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
----- O U T A G E -----													**CALIBRATION BLOCK**
244500	MS-79-1-SW-3 Tee to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	10" X 8" CONCENTRIC REDUCER, STRUCTURAL DISCONTINUITY **UT-46**
-----													
I-8-MS-120 (REF. DWG. NO. 02-065-B)													
244600	MS-79-1-SW-2 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE, 10" X 8" CONCENTRIC REDUCER. **UT-48**
-----													
244700	MS-120-FW-1 PIPE-TO-VALVE (MV-08-14)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
-----													
244800	MS-120-FW-2 VALVE (MV-08-14)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
-----													
244900	MS-124-1-SW-1 Pipe to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-48**
-----													
I-10-MS-124 (REF. DWG. NO. 02-065-B)													
245000	MS-124-1-SW-2 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-46**
-----													
245100	MS-124-FW-1 Pipe to Valve MV-08-18A	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	SEAMLESS CS PIPE, STRUCTURAL DISCONTINUITY. **UT-48**
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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2A1 OUTSIDE CONTAINMENT

2-065

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-MS-79 (REF. DWG. NO. 02-065-B)													
245200	MS-79-1-SW-4 Tee to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	10" X 8" CONCENTRIC REDUCER. **UT-46**
I-8-MS-121 (REF. DWG. NO. 02-065-B)													
245300	MS-79-1-SW-5 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-48**
I-10-MS-121 (REF. DWG. NO. 02-065-B)													
245400	MS-121-FW-1 PIPE-TO-VALVE (MV-08-15)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
I-10-MS-121 (REF. DWG. NO. 02-065-B)													
245500	MS-121-FW-2 VALVE (MV-08-15)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
I-10-MS-125 (REF. DWG. NO. 02-065-B)													
245600	MS-125-1-SW-1 Pipe to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-46**
I-10-MS-125 (REF. DWG. NO. 02-065-B)													
245700	MS-125-1-SW-2 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-48**
I-10-MS-125 (REF. DWG. NO. 02-065-B)													
245800	MS-125-FW-1 PIPE-TO-VALVE (MV-08-19A)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-46**



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT

2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)														
246300	MS-3-SW-P2 PENETRATION 2-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE. SRP 6.6 APPLIES. **UT-44**
246400	MS-3-SW-P2-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	X	-	-	Examine entire L/S, SRP6.6 applies **UT-44**
246500	MS-3-FW-1 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE-SRP6.6 Applies **UT-44**
246600	MS-3-FW-1-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	X	-	-	Examine entire L/S, LIMITED BY WELDED ATTACHMENT-SRP6.6 applies. **UT-44**
246700	MS-3-1-SW-30 PIPE-TO-WELDOLET	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE.
246800	MS-3-1-SW-29 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT

2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
----- O U T A G E -----													
I-6-MS-78 (REF. DWG. NO. 02-066-A)													
246900	MS-3-1-SW-9 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3									RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10.
-----													
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)													
247000	MS-3-1-SW-28 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3									35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-67 (REF. DWG. NO. 02-066-A)													
247100	MS-3-1-SW-8 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3									RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10. **UT-49**
-----													
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)													
247200	MS-3-1-SW-27 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3									35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-66 (REF. DWG. NO. 02-066-A)													
247300	MS-3-1-SW-7 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3									RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10. **UT-49**
-----													

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT

2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)													
247350	MS-4102-2999 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
247400	MS-3-1-SW-22 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	X	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-69 (REF. DWG. NO. 02-066-A)													
247500	MS-3-1-SW-6 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	X	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10. **UT-49**
-----													
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)													
247600	MS-3-1-SW-21 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-70 (REF. DWG. NO. 02-066-A)													
247700	MS-3-1-SW-5 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10. **UT-49**

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT  
 2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)													
247800	MS-3-1-SW-20 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-75 (REF. DWG. NO. 02-066-A)													
247900	MS-3-1-SW-4 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10. **UT-49**
-----													
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)													
248000	MS-3-1-SW-19 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	-	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9.
-----													
I-6-MS-76 (REF. DWG. NO. 02-066-A)													
248100	MS-3-1-SW-3 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10. **UT-49**
-----													
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)													
248200	MS-3-1-SW-18 PIPE-TO-RELIEF NOZZLE	C-F-2 C5.81	SUR	3	-	-	-	-	-	-	X	-	35 1/2" O.D. X 2.000" MW PIPE. 6" RELIEF NOZZLE, PER SHAW DETAIL 9320-9. STRUCTURAL DISCONTINUITY.

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT  
 2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-6-MS-77 (REF. DWG. NO. 02-066-A)														
248300	MS-3-1-SW-2 NOZZLE-TO-FLANGE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	RELIEF NOZZLE, PER SHAW DETAIL 9320-9. 6" 1500# RF LONG WELD NECK FLANGE, PER SHAW DEATIL 9320-10. STRUCTURAL DISCONTINUITY. **UT-49**
-----														
I-35.5-MS-3 (REF. DWG. NO. 02-066-A)														
248350	MS-4102-2931 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	-	
-----														
248400	MS-3-1-SW-1 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE-SRP6.6 Applies **UT-44**
-----														
248500	MS-3-1-SW-1-LS PIPE LONG SEAM		SUR VOL	3	-	-	-	-	-	-	X	-	-	Examine entire L/S, SRP6.6 applies **UT-44**
-----														
248600	MS-3-FW-2 PIPE-TO-VALVE (HCV-08-1B)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	35 1/2" O.D. X 2.000" MW WELDED PIPE-SRP6.6 Applies **UT-44**
-----														
248700	MS-33-FW-1 VALVE (HCV-08-1B)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	-	34" O.D. X 1.250" MW WELDED PIPE. MRC BR. TECH. POSTN APCS 3-1 AND SRP6.6 APPLIES. SEE MED-CIG 002-1, SEC. 2.2.2.3 **UT-45**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT

2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
248800	MS-33-FW-1-LS PIPE LONG SEAM	C-F-2 CS.81	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	Examine entire L/S **UT-45**
248850	MS-4102-2925 RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
248900	MS-4102-2925 IA WELDED ATTACHMENTS (4 SHEAR LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	THICKNESS = 1 1/4"
I-10-MS-80 (REF. DWG. NO. 02-066-A)															
249000	MS-80-FW-4 WELDOLET-TO-PIPE	C-F-2 CS.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
249100	MS-80-FW-1 Pipe to Pipe	C-F-2 CS.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
I-10-MS-80 (REF. DWG. NO. 02-066-B)															
249150	MS-4102A-1951 RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
249200	MS-80-1-SW-1 Pipe to Tee	C-F-2 CS.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
249300	MS-80-1-SW-2 Tee to Reducer	C-F-2 CS.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE, 10" X 8" CONCENTRIC REDUCER. **UT-46**

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT  
 2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
		O U T A G E											
				1	2	3	1	2	3	1	2	3	
I-8-MS-123 (REF. DWG. NO. 02-066-B)													
249400	MS-80-1-SW-3 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-48**
-----													
249500	MS-123-FW-1 PIPE-TO-VALVE (MV-08-17)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
-----													
249600	MS-123-FW-2 VALVE (MV-08-17)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
-----													
249700	MS-127-1-SW-1 Pipe to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 8" X 10" CONCENTRIC REDUCER. **UT-48**
-----													
I-10-MS-127 (REF. DWG. NO. 02-066-B)													
249800	MS-127-1-SW-2 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-48**
-----													
249900	MS-127-FW-1 PIPE-TO-VALVE (MV-08-19B)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT

2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-MS-80 (REF. DWG. NO. 02-066-B)													
250000	MS-80-1-SW-4 Tee to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE, 10" X 8" CONCENTRIC REDUCER. **UT-46**
I-8-MS-122 (REF. DWG. NO. 02-066-B)													
250100	MS-80-1-SW-5 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	X	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. STRUCTURAL DISCONTINUITY. **UT-48**
I-10-MS-122 (REF. DWG. NO. 02-066-B)													
250200	MS-122-FW-1 PIPE-TO-VALVE (MV-08-16)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	X	-	-	SEAMLESS CS PIPE. STRUCTURAL DISCONTINUITY. **UT-48**
I-10-MS-122 (REF. DWG. NO. 02-066-B)													
250300	MS-122-FW-2 VALVE (MV-08-16)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. **UT-48**
I-10-MS-126 (REF. DWG. NO. 02-066-B)													
250400	MS-126-1-SW-1 Pipe to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. **UT-48**
I-10-MS-126 (REF. DWG. NO. 02-066-B)													
250500	MS-126-1-SW-2 Reducer to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	X	-	-	SEAMLESS CS PIPE. 10" X 8" CONCENTRIC REDUCER. STRUCTURAL DISCONTINUITY. **UT-46**



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN STEAM LINE 2B1 OUTSIDE CONTAINMENT

2-066

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
		ITEM NO		1	2	3	1	2	3	1	2	3					
250600	MS-126-FW-1 PIPE-TO-VALVE (MV-08-18B)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	X	-	-	-	SEAMLESS CS PIPE. STRUCTURAL DISCONTINUITY. **UT-46**





INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN FEEDWATER TO SG 2A1 INSIDE CONTAINMENT

2-067

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
251490	BF-4007-7012A Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
251500	BF-14-FW-5 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. **UT-41**
251600	BF-14-4-SW-1 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. **UT-41**
251640	BF-4007-7007 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
251680	BF-4007-7008 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
251700	BF-14-4-SW-2 Pipe to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 20" X 18" CONCENTRIC REDUCER, STRUCTURAL DISCONTINUITY. **UT-41**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN FEEDWATER TO SG 2A1 INSIDE CONTAINMENT

2-067

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-18-BF-14 (REF. DWG. NO. 02-067)													
251800	BF-14-FW-6 REDUCER-TO-VALVE (V-09-252)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 20" X 18" CONCENTRIC REDUCER. **UT-41**
-----													
I-18-BF-51 (REF. DWG. NO. 02-067)													
251900	BF-51-FW-1 VALVE (V-09-252)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE. **UT-41**
-----													
252000	BF-51-FW-2 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	**UT-41**
-----													
252050	BF-4007-6081 CONSTANT WT. SPRING SUPPORT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	
-----													
252100	BF-4007-6081 IA INTEGRAL ATTACHMENT	C-C C3.20	SUR	3	X	-	-	-	-	-	-	-	THICKNESS = 1"
-----													
252200	BF-51-FW-3 ELBOW-TO-S/G EXTENSION	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	TERMINAL END **UT-43**
-----													

MAIN FEEDWATER TO SG 2A1 INSIDE CONTAINMENT

2-067

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-20-BF-14 (REF. DWG. NO. 02-067)													
252300	BF-201-228 S/G EXTENSION-TO-NOZZLE	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	STRUCTURAL DISCONTINUITY **UT-43**
-----													
I-18-BF-51 (REF. DWG. NO. 02-067)													
252400	Augmented Examination FROM NOZZLE RAMP TO 1 DIAMETER ON ELBOW	AUG	VOL	3	-	-	-	X	-	-	-	-	CONDUCT CONTINUOUS UT SCAN FROM NOZZLE RAMP TO 1 PIPE DIAMETER ON ELBOW. **UT-43**
-----													
I-20-BF-14 (REF. DWG. NO. 02-067)													
253900	20-BF-14 FEED WATER LINE	B 79-13 N 93-20	VT-1	3	-	-	-	-	-	-	-	-	NO 3rd INTERVAL EXAM REQUIRED.
-----													



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN FEEDWATER TO SG 2B1 INSIDE CONTAINMENT

2-068

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
254400	BF-19-3-SW-4 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE. **UT-41**
254450	BF-4006-6079 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
254500	BF-19-3-SW-3 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE. **UT-41**
254550	BF-4006-7407 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
254600	BF-19-FW-5 Pipe to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE. **UT-41**
254640	BF-4006-7409 RIGID STRUT HANGER	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	-	
254680	BF-4006-6077 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
254700	BF-19-FW-6 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. **UT-41**

MAIN FEEDWATER TO SG 2B1 INSIDE CONTAINMENT

2-068

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**			
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
254800	BF-19-5-SW-1 Elbow to Pipe	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. **UT-41**	
254840	BF-4006-7416 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures	
254880	BF-4006-7415 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-		
254900	BF-19-5-SW-2 Pipe to Reducer	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 20" X 18" CONCENTRIC REDUCER. **UT-41**	
255000	BF-19-FW-7 REDUCER-TO-VALVE (V-09-294)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 20" X 18" CONCENTRIC REDUCER. **UT-41**	
I-18-BF-52 (REF. DWG. NO. 02-068)																
255100	BF-52-FW-1 VALVE (V-09-294)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE. **UT-41**	
255200	BF-52-FW-2 Pipe to Elbow	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. **UT-41**	



MAIN FEEDWATER TO SG 2B1 INSIDE CONTAINMENT

2-068

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
		----- O U T A G E -----												
				1	2	3	1	2	3	1	2	3		
255250	BF-4006-6076 CONSTANT WT. SPRING SUPPORT	F-A F1.20	VT-3		3	X								
255300	BF-4006-6076 IA INTEGRAL ATTACHMENT	C-C C3.20	SUR		3	X								SIZE = 5"x 1"x 1"x 1 3/4" WELDED TO ELBOW.
255500	BF-52-FW-3 ELBOW-TO-S/G EXTENSION	C-F-2 C5.51	SUR VOL		3	X								NRC BULLETIN 79-13. SEAMLESS PIPE/FITTING. TERMINAL END. **UT-43**
255600	BF-201-228 S/G EXTENSION-TO-NOZZLE	C-F-2 C5.51	SUR VOL		3	X								NRC BULLETIN 79-13, STRUCTURAL DISCONTINUITY. **UT-43**
255700	Augmented Examination FROM NOZZLE RAMP TO 1 DIAMETER ON ELBOW	AUG	VOL		3	X					X			CONDUCT CONTINUOUS UT SCAN FROM NOZZLE RAMP TO 1 PIPE DIAMETER ON ELBOW. SCAN OBSTRUCTION METAL PLATE. **UT-43**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

Charging Pumps  
2-069

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-069-A)													
257600	CP-SUPPORT 2A-1 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
(REF. DWG. NO. 02-069-B)													
257700	CP-SUPPORT 2B-1 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
(REF. DWG. NO. 02-069-C)													
257800	CP-SUPPORT 2C-1 PUMP 2C SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													









COMBINED INLET PIPING FROM RWST TO CS PUMP 2A & 2B  
 2-070

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
260830	SI-2407-15 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
260860	SI-2407-150 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
260890	SI-2407-17 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
260900	SI-2407-17 IA WELDED ATTACHMENTS (8 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	THICKNESS = 1 1/4"
261000	CS-2-FW-3 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. STRUCTURAL DISCONTINUITY.
261100	CS-2-FW-3A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	-	-	
261200	CS-2-FW-3B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	-	-	-	
261300	CS-2-4-SW-1 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING

COMBINED INLET PIPING FROM RNST TO CS PUMP 2A & 2B  
 2-070

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
261400	CS-2-4-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
261440	SI-2407-19 SLIDING BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
261480	SI-2407-22 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
261500	CS-2-FW-4 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
261600	CS-2-FW-4-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
261700	CS-2-FW-901 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
261800	CS-2-FW-901-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
261900	CS-2-FW-2 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.









COMBINED INLET PIPING FROM RWST TO CS PUMP 2A & 2B  
 2-070

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
264100	CS-1-1-SW-6 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
264200	CS-1-1-SW-6A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
264300	CS-1-1-SW-6B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
264400	CS-1-1-SW-7 Elbow to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
264500	I-24-CS-3 (REF. DWG. NO. 02-070-A) CS-3-FW-905 Flange to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
264600	CS-3-FW-905A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
264700	CS-3-FW-905B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
264800	CS-3-1-SW-2 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

















MAIN FEEDWATER TO SG 2A1 OUTSIDE CONTAINMENT

2-071

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-20-BF-55 (REF. DWG. NO. 02-071)													
271500	BF-55-FW-1 VALVE (HCV-09-1B)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE. **UT-41**
-----													
271550	BF-4004-7006 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	
-----													
271600	BF-55-FW-2 PIPE-TO-VALVE (HCV-09-1A)	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7006 and BF-14-SW-P3, SRP6.6 applies **UT-42**
-----													
I-20-BF-14 (REF. DWG. NO. 02-071)													
271700	BF-14-FW-1 VALVE (HCV-09-1A)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	X	-	-	-	-	-	-	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7006 and BF-14-SW-P3, SRP6.6 applies **UT-41**
-----													
271800	BF-14-FW-2 Pipe to Penetration Ext.	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7006 and BF-14-SW-P3, SRP6.6 applies **UT-41**
-----													
271900	BF-14-SW-P3 Penetration Ext. to Penetration 3	C-F-2 C5.51	SUR VOL	3	-	-	-	X	-	-	-	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7006 and BF-14-SW-P3, SRP6.6 applies **UT-41**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN FEEDWATER TO SG 2A1 OUTSIDE CONTAINMENT

2-071

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-20-BF-14 & I-20-BF-55 (REF. DWG. NO. 02-071)													
272100	20-BF-14 & 20-BF-55 FEEDWATER LINES	B 79-13 N 93-20	VT-1	3	-	-	-	-	-	-	-	X	

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I-20-BF-14 (REF. DWG. NO. 02-071)													
272200	I-4-BF-34 AUXILIARY FEEDWATER TIE IN	B 79-13 N 93-20	VT-1	3	-	-	-	-	-	-	-	-	NRC BULLETIN 79-13 EXAM DISCONTINUED

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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

MAIN FEEDWATER TO SG 2B1 OUTSIDE CONTAINMENT

2-072

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-20-BF-56 (REF. DWG. NO. 02-072)													
272300	BF-56-FW-1 VALVE (HCV-09-2B)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE. **UT-41**
-----													
272350	BF-4004-7002 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	
-----													
272400	BF-56-FW-2 PIPE-TO-VALVE (HCV-09-2A)	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7002 and BF-19-SW-P4, SRP6.6 applies **UT-42**
-----													
I-20-BF-19 (REF. DWG. NO. 02-072)													
272500	BF-19-FW-1 VALVE (HCV-09-2A)-TO-PIPE	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7002 and BF-19-SW-P4, SRP6.6 applies **UT-41**
-----													
272600	BF-19-FW-2 PIPE-TO-PENETRATION EXT	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7002 and BF-19-SW-P4, SRP6.6 applies **UT-41**
-----													
272700	BF-19-SW-P4 PENETRATION EXT-TO-PENETRATION 4	C-F-2 C5.51	SUR VOL	3	-	-	-	-	-	-	X	-	SEAMLESS PIPE, Examine all circ welds between BF-4004-7002 and BF-19-SW-P4, SRP6.6 applies **UT-41**















LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING  
 2-073

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
277500	CS-41-FW-2 Tee to Reducer	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 24" X 24" X 14" REDUCING TEE. 24" X 14" CONCENTRIC REDUCER.
277600	CS-41-FW-2A-LS REDUCER LONG SEAM			3	-	-	-	-	-	-	-	-	-	
I-14-SI-511 (REF. DWG. NO. 02-073-C)														
277700	SI-511-1-SW-4 Reducer to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 24" X 14" CONCENTRIC REDUCER.
277800	SI-511-1-SW-4-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
277900	SI-511-1-SW-3 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
278000	SI-511-1-SW-3A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
278100	SI-511-1-SW-3B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
278200	SI-511-1-SW-2 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

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LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING

2-073

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
278300	SI-511-1-SW-2-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
278400	SI-511-1-SW-1 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
278500	SI-511-1-SW-1A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
278600	SI-511-1-SW-1B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
278700	SI-511-FW-1 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
278800	SI-511-FW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
278850	SI-2412-62 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
278900	SI-511-2-SW-1 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.







LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING  
 2-073

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
280500	SI-NCR-2666-FW-1 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
280600	SI-NCR-2666-FW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
280650	SI-2412-72 SLIDING BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	X	-	-	-	
280700	SI-NCR-2666-FW-2 Pipe to Tee	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 14" X 14" X 10" REDUCING TEE.
280800	SI-NCR-2666-FW-2A-LS TEE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
280900	SI-424-1-SW-4 Tee to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 14" X 14" X 10" REDUCING TEE.
281000	SI-424-1-SW-4-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	FUSION WELDED LONG SEAM AT 3 O'CLOCK IN DIRECTION O
281100	SI-424-1-SW-5 Pipe to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING  
2-073

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
281200	SI-424-2-SW-1 Flange to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
281300	SI-424-2-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
281400	SI-424-2-SW-2 Pipe to Reducer	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 14" X 12" REDUCER.
281500	SI-424-2-SW-2A-LS REDUCER LONG SEAM			3	-	-	-	-	-	-	-	-	-	
281600	SI-424-2-SW-3 Reducer to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 14" X 12" REDUCER.
281700	SI-424-2-SW-3A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
281800	SI-424-2-SW-3B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
281900	SI-424-2-SW-4 Elbow to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING  
 2-073

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-14-CS-7 (REF. DWG. NO. 02-073-B)													
282000	CS-7-FW-1 Tee to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 24" X 24" X 14" REDUCING TEE
282100	CS-7-FW-1A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	
282200	CS-7-FW-1B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	
282300	CS-7-1-SW-1 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
282400	CS-7-1-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	
282500	CS-7-FW-901 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
282600	CS-7-FW-901-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	
282700	CS-7-1-SW-2 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING



LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING  
 2-073

INSPECTION INTERVAL PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
283500	CS-7-2-SW-1 Pipe to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
283600	CS-7-3-SW-1 Flange to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
283700	CS-7-3-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	
283800	CS-7-3-SW-2 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
283900	CS-7-3-SW-2A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	
284000	CS-7-3-SW-2B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	
284100	CS-7-3-SW-3 Elbow to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING

LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING

2-073

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-SI-565 (REF. DWG. NO. 02-073-B)													
284200	SI-565-1-SW-5 Tee to Reducer	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 24" X 24" X 10" REDUCING TEE. 10" X 6" CONCENTRIC REDUCER
-----													
I-6-SI-508 (REF. DWG. NO. 02-073-D)													
284300	SI-508-FW-1 Reducer to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 10" X 6" CONCENTRIC REDUCER
-----													
284400	SI-508-1-SW-5 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	SEAMLESS PIPE
-----													
284500	SI-508-1-SW-2 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----													
284600	SI-508-1-SW-1 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----													
284700	SI-508-FW-2 Pipe to Valve (V-3401)	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----													
284800	SI-508-FW-3 Valve (V-3401) to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING

LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING  
 2-073

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
284900	SI-508-FW-4 Pipe to Valve (V-3470)	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----														
I-6-SI-425 (REF. DWG. NO. 02-073-D)														
285000	SI-425-FW-1 Valve (V-3470) to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----														
285100	SI-425-1-SW-1 Pipe to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----														
285200	SI-425-2-SW-1 Flange to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----														
285250	SI-2411-15 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
285300	SI-425-2-SW-2 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----														
285400	SI-425-2-SW-3 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
-----														
285500	SI-425-2-SW-4 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING

LPSI/HPSI/CS PUMPS LOOP 2A INLET PIPING  
 2-073

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				O U T A G E											
				1	2	3	1	2	3	1	2	3			
285600	SI-425-2-SW-5 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
285700	SI-425-2-SW-6 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
285800	SI-425-2-SW-7 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
285900	SI-425-2-SW-8 Pipe to Reducer	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 6" X 4" CONCENTRIC REDUCER
I-4-SI-578 (REF. DWG. NO. 02-073-D)															
286000	SI-578-1-SW-9 Reducer to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 6" X 4" CONCENTRIC REDUCER
286100	SI-578-1-SW-1 Pipe to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING





LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
289200	CS-2-FW-7 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
289300	CS-2-FW-7-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
289349	SI-2407-38 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
289380	SI-2407-39 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
289400	CS-2-9-SW-1 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
289500	CS-2-9-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
289550	SI-2407-40 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
289600	CS-2-FW-8 Pipe to Tee	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
289700	CS-2-FW-8A-LS TEE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
-----														
I-24-CS-4 (REF. DWG. NO. 02-074-A)														
289800	CS-4-2-SW-1 Flange to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
289900	CS-4-2-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
-----														
290000	CS-4-2-SW-2 Pipe to Flange	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
I-24-SI-506 (REF. DWG. NO. 02-074-A)														
290100	SI-506-1-SW-1 Flange to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
290200	SI-506-1-SW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
-----														
290300	SI-506-FW-901 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
290400	SI-506-FW-901-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
-----														



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ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

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LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
291200	SI-506-FW-1 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
291300	SI-506-FW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
291340	SI-2407-44 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
291380	SI-2407-42 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
291400	SI-506-FW-2 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
291500	SI-506-FW-2-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
291600	SI-506-3-SW-1 Pipe to Tee	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING

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ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

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LPSI/EPSI/CS PUMPS LOOP 2B INLET PIPING  
 2-074

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-24-CS-40 (REF. DWG. NO. 02-074-B)													
291700	CS-40-FW-1 Tee to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
291800	CS-40-FW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	
291840	SI-2407-60 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
291880	SI-2407-60A Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
291900	CS-40-1-SW-1 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
292000	CS-40-1-SW-1A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	
292100	CS-40-1-SW-1B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	
292200	CS-40-1-SW-2 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING







LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING  
 2-074

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
293800	CS-40-2-SW-14 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
293900	CS-40-2-SW-14-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
294000	CS-40-2-SW-15 Pipe to Weldolet (8")	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	BRANCH CONNECTION
294050	SI-2407-67 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
294080	SI-2407-67 IA WELDED ATTACHMENTS (8 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	THICKNESS = 1"
294100	CS-40-2-SW-13 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
294200	CS-40-2-SW-13-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
294400	CS-40-FW-3 Pipe to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING

LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
294500	CS-40-FW-3-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	
294540	SI-2407-671 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
294580	SI-2407-671 IA WELDED ATTACHMENTS (3 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	THICKNESS = 1"
294600	CS-40-3-SW-3 Pipe to Tee	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 24" X 24" X 14" REDUCING TEE
294700	CS-40-3-SW-3A-LS TEE LONG SEAM			3	-	-	-	-	-	-	-	-	
294900	CS-40-3-SW-2 Tee to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 24" X 24" X 14" REDUCING TEE
295000	CS-40-3-SW-2-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	
295100	CS-40-3-SW-1 Pipe to Reducer	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 24" X 14" REDUCER









INSERVICE INSPECTION LONG TERM PLAN  
CLASS 5 COMPONENTS

LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-14-SI-512 (REF. DWG. NO. 02-074-F)													
298100	SI-512-FW-4 Valve (V-3432) to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----													
298200	SI-512-FW-4-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	FUSION WELDED LONG SEAM AT 2 O'CLOCK, IN DIRECTION
-----													
298250	SI-2407-84 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
298300	SI-512-FW-5 Pipe to Valve (V-07-001)	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----													
I-14-SI-466 (REF. DWG. NO. 02-074-F)													
298400	SI-466-FW-1 Valve (V-07-001) to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----													
298500	SI-466-FW-1-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	
-----													
298600	SI-466-1-SW-5 Pipe to Elbow	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----													

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 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 2 COMPONENTS

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LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
298700	SI-466-1-SW-5A-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
298800	SI-466-1-SW-5B-LS ELBOW LONG SEAM			3	-	-	-	-	-	-	-	-	-	
298900	SI-466-1-SW-4 Elbow to Pipe	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
299000	SI-466-1-SW-4-LS PIPE LONG SEAM			3	-	-	-	-	-	-	-	-	-	
299050	SI-2407-89 RIGID BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
299100	SI-466-1-SW-3 Pipe to Tee	C-F-3 C9.99		3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 14" X 14" X 10" REDUCING TEE
299200	SI-466-1-SW-3A-LS TEE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
299300	SI-466-1-SW-2 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING









LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING  
 2-074

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**						
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD									
				1	2	3	1	2	3	1	2	3							
301750	SI-2407-101 RIGID BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301800	CS-6-FW-2 Pipe to Valve (V-07-124)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
301900	CS-6-FW-3 Valve (V-07-124) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
302000	CS-6-FW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
302100	CS-6-2-SW-1 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
302200	CS-6-3-SW-1 Flange to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
302300	CS-6-3-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
302400	CS-6-3-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING

LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
302500	CS-6-3-SW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
302600	CS-6-3-SW-2B-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
302700	CS-6-FW-902 Elbow to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
302900	I-8-SI-507 (REF. DWG. NO. 02-074-B) CS-40-2-SW-12 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
303000	SI-507-FW-1 Pipe to Valve (V-3410)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
303100	I-8-SI-427 (REF. DWG. NO. 02-074-D) SI-427-FW-1 Valve (V-3410) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
303150	SI-2403-540 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
303200	SI-428-1-SW-1 Pipe to Reducer	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 8" X 6" ECCENTRIC REDUCER





LPSI/HPSI/CS PUMPS LOOP 2B INLET PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
304400	SI-428-3-SW-4 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
304500	SI-428-3-SW-3 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
304600	SI-428-3-SW-2 Pipe to Reducer	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 6" X 4" REDUCER. STRUCTURAL DISCONTINUITY
I-4-SI-579 (REF. DWG. NO. 02-074-D)													
304700	SI-579-4-SW-1 Reducer to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 6" X 4" REDUCER. STRUCTURAL DISCONTINUITY
304800	SI-579-4-SW-1A Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 6" X 4" REDUCER







SHUTDOWN COOLING HEAT EXCHANGER 2B DISCHAR. PIPING

2-075

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
309100	SI-407-2-SW-2 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING, 12" X 12" X 10" REDUCING TEE
309200	SI-407-2-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
309250	SI-2405-38 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
309280	SI-2405-37 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
309300	SI-407-2-SW-1 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
309400	I-10-SI-474 (REF. DWG. NO. 02-075-A) SI-474-FW-1 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING, 12" X 12" X 10" REDUCING TEE, STRUCTURAL DISCONTINUITY
309500	SI-474-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
309600	SI-474-1-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2B DISCHAR. PIPING

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
310350	SI-2405-50 RIGID ROD SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
I-10-SI-474 (REF. DWG. NO. 02-075-B)															
310380	SI-2405-52 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
310400	SI-474-2-SW-2 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----															
310500	SI-474-2-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
310550	SI-2405-54 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
310600	SI-474-FW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----															
310700	SI-474-FW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
310800	SI-474-3-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----															





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SHUTDOWN COOLING HEAT EXCHANGER 2B DISCHAR. PIPING

2-075

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
312200	SI-474-4-SW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
312300	SI-474-4-SW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
312400	SI-474-4-SW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
312500	SI-474-4-SW-4-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
312600	SI-474-FW-5 Pipe to Valve (V-3457)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
I-10-SI-165 (REF. DWG. NO. 02-075-B)															
312700	SI-165-FW-1 Valve (V-3457) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
312800	SI-165-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
312900	SI-165-1-SW-3 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	10" X 10" X 6" REDUCING TEE COUNTERBORED TO SCH 30



SHUTDOWN COOLING HEAT EXCHANGER 2B DISCHAR. PIPING

2-075

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
313000	SI-165-1-SW-2 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	10" X 10" X 6" REDUCING TEE COUNTERBORED TO SCH 30
313100	SI-165-1-SW-1 Pipe to Flange	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	
I-6-SI-165 (REF. DWG. NO. 02-075-B)															
313200	SI-165-FW-910 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	10" X 10" X 6" REDUCING TEE
313300	SI-165-1-SW-5 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
313400	SI-165-1-SW-6 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING
313500	SI-172-FW-1 Pipe to Valve (V-3511)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING

SHUTDOWN COOLING HEAT EXCHANGER 2A INLET PIPING

2-076

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-8-CS-15 (REF. DWG. NO. 02-076-B)													
314800	CS-15-1A-SW-1 Flange to Reducer	C-F-3 C9.99	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS FITTING. 12" X 8" CONCENTRIC REDUCER **UT-53**
I-12-CS-15 (REF. DWG. NO. 02-076-B)													
314900	CS-15-1A-SW-2 Reducer to Pipe	C-F-3 C9.99	SUR VOL	3	-	-	-	-	-	-	-	-	SEAMLESS PIPE/FITTING. 12" X 8" CONCENTRIC REDUCER **UT-35**
315000	CS-15-1A-SW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
315100	CS-15-1A-SW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
315200	CS-15-1A-SW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
315300	CS-15-1A-SW-4-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
315400	CS-15-FW-1 Pipe to Valve (V-07-143)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A INLET PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E										
				1	2	3	1	2	3	1	2	3		
I-12-CS-9 (REF. DWG. NO. 02-076-B)														
315500	CS-9-FW-1 Valve (V-07-143) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
315600	CS-9-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
315650	SI-2406-45 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
315700	CS-9-1A-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
315800	CS-9-1A-SW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
315900	CS-9-1A-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
316000	CS-9-1A-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
316100	CS-9-FW-2 Pipe to Valve (V-07-145)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A INLET PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				O U T A G E									
				1	2	3	1	2	3	1	2	3	
I-12-SI-412 (REF. DWG. NO. 02-076-B)													
316200	SI-412-FW-1 Valve (V-07-145) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
316300	SI-412-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
316350	SI-2406-401 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
316400	SI-412-1-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
316500	SI-412-1-SW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
316600	SI-412-1-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
316700	SI-412-1-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
316800	SI-412-FW-903 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A INLET PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO		NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
					FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
					1	2	3	1	2	3	1	2	3					
316900	SI-412-FW-903-LS PIPE LONG SEAM			SUR														
317000	SI-412-FW-2 Pipe to Elbow	C-F-3 C9.99		SUR														WELDED PIPE/FITTING.
317100	SI-412-FW-2A-LS ELBOW LONG SEAM			SUR														
317200	SI-412-2-SW-4 Elbow to Pipe	C-F-3 C9.99		SUR														WELDED PIPE/FITTING
317300	SI-412-2-SW-4-LS PIPE LONG SEAM			SUR														
317400	SI-412-FW-901 Pipe to Pipe	C-F-3 C9.99		SUR														WELDED PIPE/FITTING.
317500	SI-412-FW-901-LS PIPE LONG SEAM			SUR														
317600	SI-412-FW-902 Pipe to Pipe	C-F-3 C9.99		SUR														WELDED PIPE/FITTING

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A INLET PIPING

2-076

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
317700	SI-412-FW-902-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
I-12-SI-412 (REF. DWG. NO. 02-076-A)														
317800	SI-412-2-SW-3 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
317900	SI-412-2-SW-3A-LS TEE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
318000	SI-412-2-SW-2 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----														
318100	SI-412-2-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														
318150	SI-2406-35 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
-----														
318200	SI-412-2-SW-1 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----														
318300	SI-412-2-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
-----														

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A INLET PIPING

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**						
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD									
				1	2	3	1	2	3	1	2	3							
318350	SI-2406-34 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318400	SI-412-FW-3 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
318500	SI-412-FW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
318540	SI-2406-33 RIGID SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
318580	SI-2406-32 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
318600	SI-412-3-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
318700	SI-412-3-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
318800	SI-412-3-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.











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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
321500	SI-410-FW-2 Pipe to Valve (V-3517)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-

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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 1 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A DISCHAR. PIPING  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
323600	SI-406-1-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
323650	SI-2401-42 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
323700	SI-406-FW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
323800	SI-406-FW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
323900	SI-406-2-SW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
324000	SI-406-2-SW-4-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
324050	SI-2401-41 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
324100	SI-406-2-SW-3 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	12" X 12" X 10" REDUCING TEE











SHUTDOWN COOLING HEAT EXCHANGER 2A DISCHAR. PIPING  
 2-077

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
		O U T A G E											
				1	2	3	1	2	3	1	2	3	
I-10-SI-408 (REF. DNG. NO. 02-077-B)													
326700	SI-408-FW-1 Valve (V-3456) to Pipe	C-F-3	SUR	C9.99	3								
326800	SI-408-FW-1-LS PIPE LONG SEAM		SUR		3								
326900	SI-408-1-SW-1 Pipe to Elbow	C-F-3	SUR	C9.99	3								
327000	SI-408-1-SW-1A-LS ELBOW LONG SEAM		SUR		3								
327100	SI-408-1-SW-2 Elbow to Pipe	C-F-3	SUR	C9.99	3								
327200	SI-408-1-SW-2-LS PIPE LONG SEAM		SUR		3								
327250	SI-2401-70 RIGID BASE SUPPORT	F-A	VT-3	F1.20	3								
327300	SI-408-1-SW-3 Pipe to Tee	C-F-3	SUR	C9.99	3								10" X 6" REDUCING TEE COUNTERBORED TO SCH 40





SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-12-CS-8 (REF. DWG. NO. 02-078-B)													
329900	CS-8-FW-1 Valve (V-07-129) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	
-----													
330000	CS-8-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
330050	SI-2404-521 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
330100	CS-8-FW-2 Pipe to Valve (V-07-130)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-12-SI-414 (REF. DWG. NO. 02-078-B)													
330200	SI-414-FW-1 Valve (V-07-130) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	
-----													
330300	SI-414-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
330400	SI-414-1-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING

2-078

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
330500	SI-414-1-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
330600	SI-414-1-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	
330700	SI-414-1-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
330750	SI-2404-48 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
330780	SI-2404-47A RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
330800	SI-414-1-SW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
330900	SI-414-1-SW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
331000	SI-414-1-SW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.





SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING  
 2-078

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
331750	SI-2404-40 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-
331800	SI-414-FW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
331900	SI-414-FW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	
332000	SI-414-3-SW-5 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
332100	SI-414-3-SW-5-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	
332200	SI-414-3-SW-4 Pipe to Tee	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
332300	SI-414-3-SW-4A-LS TEE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	
332400	SI-414-3-SW-3 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING  
2-078

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
		O U T A G E											
				1	2	3	1	2	3	1	2	3	
333200	SI-164-FW-2 Pipe to Valve (V-3658)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----													
	I-12-SI-414 (REF. DWG. NO. 02-078-A)												
333300	SI-414-3-SW-6 Tee to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----													
333400	SI-414-3-SW-6-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
333500	SI-414-FW-902 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----													
333600	SI-414-FW-902A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
333700	SI-414-FW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----													
333800	SI-414-FW-4-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
333850	SI-2404-63 RIGID PENETRATION SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													



SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING  
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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				O U T A G E										
				1	2	3	1	2	3	1	2	3		
334600	SI-414-4-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
334700	SI-414-4-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
334750	SI-2404-670 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
334800	SI-414-FW-5 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
334900	SI-414-FW-5A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
335000	SI-414-5-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
335100	SI-414-5-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
335200	SI-414-5-SW-2 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
335300	SI-414-5-SW-2A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
335400	SI-414-5-SW-3 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
335500	SI-414-5-SW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
335550	SI-2404-710 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
335600	SI-2404-710 IA WELDED ATTACHMENTS (8 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	THICKNESS = 1"
335700	SI-414-5-SW-4 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
335800	SI-414-5-SW-4A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
335900	SI-414-FW-6 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
336000	SI-414-FW-6-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
336050	SI-2404-74 SPRING SUPPORT W/HORIZ. STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
336100	SI-2404-74 IA WELDED ATTACHMENTS (8 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	THICKNESS = 1"
336200	SI-414-6-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
336300	SI-414-6-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
336400	SI-414-6-SW-2 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
336500	SI-414-6-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
336600	SI-414-6-SW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

SHUTDOWN COOLING HEAT EXCHANGER 2B INLET PIPING  
 2-078

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
336700	SI-414-6-SW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
336800	SI-414-6-SW-4 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
336900	SI-414-6-SW-4-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
337000	SI-414-6-SW-5 Pipe to Reducer	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 12" X 10" REDUCER.
337100	SI-414-6-SW-5A-LS REDUCER LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
337200	SI-414-FW-7 Reducer to Nozzle	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING. 12" X 10" REDUCER.



SHUTDOWN COOLING HEAT EXCHANGER 2B TO CS HEADER

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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**		
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
I-12-SI-407 (REF. DWG. NO. 02-079-A)															
338500	SI-407-3-SW-1 Flange (FE-07-1B) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----															
338600	SI-407-3-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
-----															
338700	SI-407-FW-3 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----															
338800	SI-407-FW-3A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
-----															
338900	SI-407-4-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----															
339000	SI-407-4-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
-----															
339040	SI-2405-33 RIGID EYE ROD SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	X	-	-	
-----															
339080	SI-2405-32 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
-----															





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SHUTDOWN COOLING HEAT EXCHANGER 2B TO CS HEADER

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
340300	SI-407-FW-904 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
340400	SI-407-FW-904A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
340500	SI-407-FW-7 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
340600	SI-407-FW-7-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
340650	SI-2405-210 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
340700	SI-407-FW-905 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
340800	SI-407-FW-905A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
340900	SI-407-8-SW-1 Elbow to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.

SHUTDOWN COOLING HEAT EXCHANGER 2B TO CS HEADER

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
341000	SI-407-8-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
341100	SI-407-FW-8 Elbow to Valve (V-07-4)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
341200	I-12-CS-10 (REF. DWG. NO. 02-079-A) CS-10-FW-1 Valve (V-07-4) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
341300	CS-10-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
341350	SI-2405-110 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
341400	CS-10-2-SW-1 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
341500	CS-10-2-SW-1A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	
341600	CS-10-FW-2 Elbow to Valve (FCV-07-1B)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING





SHUTDOWN COOLING HEAT EXCHANGER 2A TO CS HEADER

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
343600	SI-406-4-SW-2 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
343700	SI-406-4-SW-2-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
343750	SI-2401-31 RIGID FRAME SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
343800	SI-406-FW-4 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
343900	SI-406-FW-4-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
344000	SI-406-FW-903 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
344100	SI-406-FW-903-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	-	-	
344200	SI-406-5-SW-3 Pipe to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.









SHUTDOWN COOLING HEAT EXCHANGER 2A TO CS HEADER  
 2-080

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				O U T A G E									
				1	2	3	1	2	3	1	2	3	
346200	SI-406-FW-8 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
346300	SI-406-FW-8-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
346350	SI-2401-14 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
346400	SI-406-FW-901 Pipe to Elbow	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
346500	SI-406-FW-901A-LS ELBOW LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
346550	SI-2401-15 RIGID STRUT SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
346600	SI-406-9-SW-1 Elbow to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
346700	SI-406-9-SW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	

REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2A TO CS HEADER

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
		----- O U T A G E -----											
				1	2	3	1	2	3	1	2	3	
346800	SI-406-FW-9 Pipe to Valve (V-071514)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING
-----													
I-12-CS-11 (REF. DWG. NO. 02-080-B)													
346900	CS-11-FW-1 Valve (V-071514) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----													
347000	CS-11-FW-1-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													
347050	SI-2401-7 Spring Support	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
347100	CS-11-FW-2 Pipe to Valve (FCV-07-1A)	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----													
347200	CS-11-FW-3 Valve (FCV-07-1A) to Pipe	C-F-3 C9.99	SUR	3	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING.
-----													
347300	CS-11-FW-3-LS PIPE LONG SEAM		SUR	3	-	-	-	-	-	-	-	-	
-----													

DATE: 08/08/03  
 REVISION: 0

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 CLASS 2 COMPONENTS

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SHUTDOWN COOLING HEAT EXCHANGER 2A TO CS HEADER

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATYGY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
347400	CS-11-FW-4 Pipe to Valve (V-07-162)	C-F-3 CS.99	SUR	3	-	-	-	-	-	-	-	-	-	-	WELDED PIPE/FITTING











CCW TO AND FROM CONTAINMENT COOLING UNIT 2A

2-083

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
351000	CC-2080-36 DUAL RIGID STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
I-8-CC-41 (REF. DWG. NO. 02-083-B)															
351100	CC-2080-44 ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
351200	CC-2080-44 IA Integral Attachment	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
351300	CC-2080-48 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
351400	CC-2080-51 ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
351500	CC-2080-51 IA Integral Attachment	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-
-----															
I-8-CC-37 (REF. DWG. NO. 02-083-C)															
351600	CC-2076-5 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															
351700	CC-2076-6237 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-
-----															









INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

CCW TO AND FROM CONTAINMENT COOLING UNIT 2C

2-085

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
355000	CC-2096-37 DUAL RIGID STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
355100	CC-2096-37 IA Integral Attachment	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
I-8-CC-39 (REF. DWG. NO. 02-085-B)																	
355200	CC-2078-6188 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
355300	CC-2078-7 DUAL RIGID STRUTS & TRUNNION	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
355400	CC-2078-7 IA Integral Attachment	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
355500	CC-2078-6189 TRIPLE RIGID STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
355600	CC-2078-6189 IA Integral Attachment	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
355700	CC-2078-18 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	X	-	-















INSERVICE INSPECTION LONG TERM PLAN

CLASS 2 COMPONENTS

COMBINED HPSI DISCHARGE

2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-SI-179 (REF. DWG. NO. 02-087-A)													
359800	SI-179-FW-1 Valve V-3547 to Pipe	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	Scan obstruction due to 3/4" BC and configuration **3-SS-160-.434-22**
-----													
359900	SI-179-1-SW-6 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
359960	SI-2416-366 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
360000	SI-179-1-SW-5 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
360100	SI-179-1-SW-4 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
I-3-SI-381 (REF. DWG. NO. 02-087-A)													
360200	SI-381-FW-16 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
360300	SI-381-FW-1 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	Scan obstruction due to 3/4" BC and flange **3-SS-160-.434-22**
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

COMBINED RPSI DISCHARGE  
2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
		O U T A G E											
				1	2	3	1	2	3	1	2	3	
I-3-SI-179 (REF. DWG. NO. 02-087-A)													
360400	SI-179-FW-2 FLANGE (SO-07-17)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
360500	SI-179-1-SW-8 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
360600	SI-179-1-SW-9 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
360700	SI-179-1-SW-10 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
360800	SI-179-1-SW-11 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
360900	SI-179-1-SW-12 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
361000	SI-179-1-SW-3 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
361100	SI-179-1-SW-2 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**





COMBINED HPSI DISCHARGE  
 2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
361800	SI-179-19-SW-4 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
361900	SI-179-20-SW-8 FLANGE (FE-3317)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	Exam limited due to flange **3-SS-160-.434-22**
361950	SI-2413-44 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
362000	SI-179-20-SW-7 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
I-3-SI-179 (REF. DWG. NO. 02-087-B)															
362100	SI-179-20-SW-6 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
362200	SI-179-FW-3A Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
362300	SI-179-3-SW-4 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
362400	SI-179-3-SW-3 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**



COMBINED HPSI DISCHARGE  
 2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
363050	SI-2413-31 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
363100	SI-179-4-SW-6 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
363150	SI-2413-280 ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
363200	SI-2413-280 IA WELDED ATTACHMENTS (4 LUGS)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	THICKNESS = 3/4"
363300	SI-179-FW-4 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
363400	SI-179-5-SW-7 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
363450	SI-2413-26 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
363500	SI-179-5-SW-3 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

COMBINED HPSI DISCHARGE  
2-087

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
364200	SI-179-6-SW-4 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
364300	SI-179-FW-915 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
364400	SI-179-FW-6 Pipe to Valve V-3550	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
364500	SI-179-FW-7 VALVE (V-3550)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
364550	SI-2413-12 BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	
364600	SI-179-FW-8 Pipe to Valve V-3540	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
364700	SI-179-FW-9 VALVE (V-3540)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
364800	SI-179-8-SW-4 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**

COMBINED HPSI DISCHARGE  
 2-087

INSPECTION INTERVAL PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**			
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
364900	SI-179-FW-911 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
365000	SI-179-FW-901 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
365100	SI-179-S-SW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
365200	SI-179-FW-10 PIPE TO PENETRATION 69	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
I-2-SI-109 (REF. DWG. NO. 02-087-C)																
365300	SI-109-FW-1 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	-	4" X 2" CONCENTRIC REDUCER **2-SS-160-.342-20**
365350	SI-4-R7 BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	-	-	
365400	SI-109-SW-2 Pipe to Valve HCV-3647	C-F-1 C5.30	SUR	3	X	-	-	-	-	-	-	-	-	-	-	Exam limited due to (2) welded lugs.







COMBINED HPSI DISCHARGE  
 2-087

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-SI-274 (REF. DWG. NO. 02-087-D)													
366600	SI-274-FW-9 PIPE-TO-CROSS	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
366700	SI-274-SW-10 CROSS-TO-REDUCER	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	2" X 3/4" REDUCING INSERT.
-----													
366800	SI-274-SW-11 CROSS-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
366850	SI-4-R5 BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	
-----													
366900	SI-274-SW-12 Pipe to Valve V-3143	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-SI-147 (REF. DWG. NO. 02-087-D)													
367000	SI-147-SW-1 VALVE (V-3143)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
367100	SI-147-FW-2 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	2" X 3" CONCENTRIC REDUCER. **2-SS-160-.342-20**
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

COMBINED HPSI DISCHARGE

2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-SI-137 (REF. DWG. NO. 02-087-D)													
367200	SI-137-1-SW-2 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	2" X 3" CONCENTRIC REDUCER. STRUCTURAL DISCONTINUITY. **3-SS-160-.434-22**
367300	SI-137-1-SW-1 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	Exam limited due to flange **3-SS-160-.434-22**
367400	SI-110-1-SW-9 FLANGE (FE-3341)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
367500	SI-110-1-SW-8 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
367600	SI-110-1-SW-7 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
367700	SI-110-1-SW-6 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE. TERMINAL END. one sided exam due to configuration **3-SS-160-.434-22**

COMBINED HPSI DISCHARGE

2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
		O U T A G E												
			1	2	3	1	2	3	1	2	3			
I-2-SI-218 (REF. DWG. NO. 02-087-D)														
367800	SI-218-FW-2 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
367850	SI-4-R6 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-
-----														
367900	SI-218-SW-1 Pipe to Valve HCV-3646	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
I-2-SI-134 (REF. DWG. NO. 02-087-D)														
368000	SI-134-SW-2 VALVE (HCV-3646)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
368100	SI-134-FW-1 PIPE-TO-CROSS	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
I-2-SI-108 (REF. DWG. NO. 02-087-E)														
368200	SI-108-FW-1 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	2" BRANCH CONNECTION
-----														
368250	SI-3-R1 PIPE SLEEVE ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-
-----														

COMBINED HPSI DISCHARGE

2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
368300	SI-108-FW-2 Pipe to Valve HCV-3637	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
I-2-SI-273 (REF. DWG. NO. 02-087-E)																	
368400	SI-273-SW-1 VALVE (HCV-3637)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
368500	SI-273-FW-2 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
368600	SI-273-SW-3 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	2" X 3/4" REDUCING INSERT
-----																	
368700	SI-273-SW-4 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
368750	SI-3-R2 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
368800	SI-273-FW-5 Pipe to Coupling	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
368900	SI-273-SW-6 COUPLING-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	



COMBINED HPSI DISCHARGE  
 2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
369600	SI-273-SW-12 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
369700	SI-273-SW-13 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
369800	SI-273-SW-14 Pipe to Valve V-3133	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
I-2-SI-145 (REF. DWG. NO. 02-087-F)																	
369900	SI-145-SW-1 VALVE (V-3133)-TO-PIPE	C-F-1 C5.30	SUR	3	X	-	-	-	-	-	-	-	-	-	-	-	-
369950	SI-3-R5 BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	-	-	-	-	-
370000	SI-145-FW-2 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	-	-	-	-	-
I-3-SI-138 (REF. DWG. NO. 02-087-F)																	
370100	SI-138-1-SW-2 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-

2" X 3" CONCENTRIC  
 REDUCER. STRUCTURAL  
 DISCONTINUITY.  
 \*\*2-SS-160-.342-20\*\*

2" X 3" CONCENTRIC  
 REDUCER.  
 \*\*3-SS-160-.434-22\*\*

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

COMBINED NPSI DISCHARGE  
2-087

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS		
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				O U T A G E											
				1	2	3	1	2	3	1	2	3			
370200	SI-138-1-SW-1 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** **3-SS-160-.434-22**
370300	SI-111-1-SW-9 FLANGE (FE-3331)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
370400	SI-111-1-SW-8 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
370500	SI-111-1-SW-7 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
370600	SI-111-1-SW-6 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
370700	SI-111-1-SW-5 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
370800	SI-111-1-SW-4 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE. **3-SS-160-.434-22**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

COMBINED HPSI DISCHARGE

2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-SI-217 (REF. DWG. NO. 02-087-F)													
370900	SI-217-FW-2 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	X	-	-	-	-	-	-	-	
-----													
370950	SI-3-R6 BOX RESTRAINT	F-A F1.20	VT-3	3	X	-	-	-	-	-	-	-	
-----													
371000	SI-217-SW-1 Pipe to Valve HCV-3636	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-SI-133 (REF. DWG. NO. 02-087-F)													
371100	SI-133-FW-2 VALVE (HCV-3636)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
371200	SI-133-SW-1 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-SI-107 (REF. DWG. NO. 02-087-G)													
371300	SI-107-FW-1 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
371350	SI-2-R6 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													



COMBINED HPSI DISCHARGE  
 2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	MDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
371400	SI-107-SW-2 Pipe to Valve HCV-3627	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
I-2-SI-272 (REF. DWG. NO. 02-087-G)																	
371500	SI-272-FW-1 VALVE (HCV-3627)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
371600	SI-272-SW-2 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
371700	SI-272-SW-3 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	2" X 3/4" REDUCING INSERT
-----																	
371800	SI-272-SW-4 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
371900	SI-272-SW-5 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
372050	SI-272-FW-2001 Tee to Pipe	C-F-1 C5.30	SUR	3	X	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
372150	SI-272-FW-2000 Pipe to Valve V-3766	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	





COMBINED RPSI DISCHARGE

2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
373400	SI-132-FW-1 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
I-2-SI-216 (REF. DWG. NO. 02-087-H)														
373500	SI-216-FW-2 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
373550	SI-2-R5 DUAL RIGID STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-
-----														
373600	SI-216-FW-1 Pipe to Valve HCV-3626	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
I-2-SI-132 (REF. DWG. NO. 02-087-H)														
373700	SI-132-SW-9 VALVE (HCV-3626)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														
373750	SI-2-R2 PIPE SLEEVE ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-
-----														
373800	SI-132-FW-8 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-
-----														



INSERVICE INSPECTION LONG TERM PLAN

CLASS 2 COMPONENTS

COMBINED HPSI DISCHARGE

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-SI-271 (REF. DWG. NO. 02-087-I)													
374310	SI-271-FW-2007 Valve (HCV-3617) to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
374400	SI-271-SW-2 PIPE-TO-CROSS	C-F-1 C5.30	SUR	3	X	-	-	-	-	-	-	-	
-----													
374500	SI-271-SW-3 CROSS-TO-REDUCER	C-F-1 C5.30	SUR	3	X	-	-	-	-	-	-	-	2" X 3/4" REDUCING INSERT. STRUCTURAL DISCONTINUITY.
-----													
374600	SI-271-SW-4 CROSS-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
374700	SI-271-SW-5 Pipe to Valve V-3113)	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-SI-126 (REF. DWG. NO. 02-087-I)													
374800	SI-126-SW-1 VALVE (V-3113)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
374900	SI-126-FW-2 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	2" X 3" CONCENTRIC REDUCER **2-SS-160-.342-20**
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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

COMBINED HPSI DISCHARGE  
2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-SI-140 (REF. DWG. NO. 02-087-I)													
375000	SI-140-1-SW-2 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	2" X 3" CONCENTRIC REDUCER. **3-SS-160-.434-22**
-----													
375050	SI-2415-170 SLIDING BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
375100	SI-140-1-SW-1 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
I-3-SI-113 (REF. DWG. NO. 02-087-I)													
375200	SI-113-1-SW-4 FLANGE (FE-3311)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
375300	SI-113-1-SW-5 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
375400	SI-113-FW-901 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3-SS-160-.434-22**
-----													
375500	SI-113-1-SW-7 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	6" X 6" X 3" REDUCING TEE **3-SS-160-.434-22**
-----													

COMBINED HPSI DISCHARGE

2-087

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-SI-215 (REF. DWG. NO. 02-087-J)													
375600	SI-215-FW-2 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	X	-	-	-	-	-	-	-	4" X 2" REDUCING INSERT. STRUCTURAL DISCONTINUITY. **2-SS-160-.342-20**
-----													
375630	SI-215-FW-2002 Pipe to Coupling	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
375640	SI-215-FW-2001 Coupling to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
375650	SI-215-FW-2000 Pipe to Valve (HCV-3616)	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-SI-131 (REF. DWG. NO. 02-087-J)													
375825	SI-131-FW-2001 VALVE (HCV-3616)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
375840	SI-1-R1 DUAL RIGID STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
375880	SI-1-R2 PIPE SLEEVE ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													







CHARGING PUMP 2A DISCHARGE TO AUX. HPSI  
 2-088

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-104 (REF. DWG. NO. 02-088-A)													
380600	CH-104-FW-21 Flange to Pipe	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	
380700	CH-104-SW-24 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
380800	CH-104-SW-22 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	2" X 1" REDUCING INSERT
380900	CH-104-SW-23 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
381000	CH-104-SW-20 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
381100	CH-104-SW-19 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	2" X 1 1/2" REDUCING INSERT
381200	CH-104-SW-18 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	
381300	CH-104-FW-19 BRANCH SADDLE WELD	C-F-1 C5.41	SUR	3	-	-	-	X	-	-	-	-	6000# S.W. BRANCH CONNECTION

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

CHARGING PUMP 2A DISCHARGE TO AUX. HPSI

2-088

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-412 (REF. DWG. NO. 02-088-A)													
381400	CH-412-FW-1 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
381450	CH-85-R6 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
381500	CH-412-SW-2 Pipe to Valve V-2549	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-CH-104 (REF. DWG. NO. 02-088-B)													
381625	CH-104-FW-600 PIPE TO VALVE V-2169	C-F-1 C5.30	SUR	3	X	-	-	-	-	-	-	-	
-----													
381650	V-2169 ROCKWELL EDWARDS CHECK VALVE			3	-	-	-	-	-	-	-	-	WELDED BONNET, MODEL 3674F316T1
-----													
381660	V-2169 CHECK VALVE			3	X	-	-	-	-	-	-	-	Anchor Darling Valve, pressure seal bonnet, model 1878 PC
-----													
381675	CH-104-FW-601 VALVE V-2169 TO PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													



CHARGING PUMP 2A DISCHARGE TO AUX. NPSI  
 2-088

INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
382300	CH-104-FW-28 Pipe to Coupling	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
382400	CH-104-SW-27 COUPLING-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
382500	CH-104-FW-26 BRANCH SADDLE WELD	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	6000# S.W. LATROLET
382540	CH-72-R5 RIGID FRAME	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
382580	CH-72-R6 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	X	-	-	-	-	-	-	-	-	-
382600	CH-104-FW-25 BRANCH SADDLE WELD	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	6000# S.W. LATROLET
382700	CH-104-SW-4 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-
382800	CH-104-SW-3 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	2" X 3/4" REDUCING INSERT

CHARGING PUMP 2A DISCHARGE TO AUX. HPSI  
 2-088

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
382900	CH-104-SW-2 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
383000	CH-104-FW-1 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2" X 2 1/2" REDUCER **To be determined**
I-2.5-CH-106 (REF. DWG. NO. 02-088-C)																		
383100	CH-106-1-SW-1 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2" X 2 1/2" REDUCER **To be determined**
383200	CH-106-1-SW-2 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**To be determined**
I-2.5-CH-107 (REF. DWG. NO. 02-088-C)																		
383300	CH-107-1-SW-1 FLANGE (FE-2212)-TO-PIPE	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**To be determined**
383400	CH-107-1-SW-2 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2 1/2" X 2" REDUCER **To be determined**
I-2-CH-109 (REF. DWG. NO. 02-088-C)																		
383500	CH-109-FW-1 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2 1/2" X 2" REDUCER **To be determined**











CHARGING PUMP 2A DISCHARGE TO AUX. HPSI  
2-088

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
		O U T A G E											
				1	2	3	1	2	3	1	2	3	
386000	CH-331-SW-5 Pipe to Valve V-2523	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
	I-2-CH-331 (REF. DWG. NO. 02-088-E)												
387000	CH-331-FW-2002 TEE TO PIPE			3	-	-	-	-	-	-	-	-	EXEMPT PER INC-1222(a)
-----													
387100	CH-331-FW-2000 Pipe to Valve (V-2462)			3	-	-	-	-	-	-	-	-	EXEMPT PER INC-1222(a)
-----													
387200	CH-331-FW-2001 Valve (V-2462) to Pipe			3	-	-	-	-	-	-	-	-	EXEMPT PER INC-1222(a)
-----													

REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

CHARGING PUMP 2B DISCHARGE TO AUX. NPSI

2-089

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-136 (REF. DWG. NO. 02-089)													
387500	CH-136-FW-14 Flange to Pipe	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	
387600	CH-136-SW-17 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
387700	CH-136-SW-16 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	2" X 1" REDUCING INSERT
387800	CH-136-SW-15 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
387900	CH-136-SW-13 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
388000	CH-136-SW-12 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	2" X 1 1/2" REDUCING INSERT
388100	CH-136-FW-11 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
388200	CH-136-FW-18 BRANCH SADDLE WELD	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	6000# S.W. LATROLET

CHARGING PUMP 2B DISCHARGE TO AUX. HPSI

2-089

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-415 (REF. DWG. NO. 02-089)													
388300	CH-415-FW-1 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
388400	CH-415-SW-2 Pipe to Valve V-2548	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-CH-136 (REF. DWG. NO. 02-089)													
388440	CH-75-R5 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
388480	CH-75-R3 PIPE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
388500	CH-136-SW-8 Pipe to Valve V-2168	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
388600	CH-136-SW-7 VALVE (V-2168)-TO-PIPE	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
388650	CH-75-R2 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
388700	CH-136-SW-6 Pipe to Valve V-2464	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													



CHARGING PUMP 2C DISCHARGE TO AUX. HPSI  
 2-090

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
----- O U T A G E -----													
I-2-CH-137 (REF. DWG. NO. 02-090-A)													
389800	CH-137-FW-21 Flange to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
389900	CH-137-SW-24 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
390000	CH-137-SW-23 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	SS, 2" x 1" REDUCING INSERT
390100	CH-137-SW-22 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
390200	CH-137-SW-20 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
390300	CH-137-SW-19 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	SS, 2" x 1 1/2" REDUCING INSERT
390400	CH-137-FW-18 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
390500	CH-137-FW-25 BRANCH SADDLE WELD	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	SS, 6000# S.W. LATROLET



CHARGING PUMP 2C DISCHARGE TO AUX. HPSI

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-418 (REF. DWG. NO. 02-090-A)													
390600	CH-418-FW-1 Branch Connection to Pipe	C-F-1 CS.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
390700	NRC-4800-FW-2 Pipe to Coupling	C-F-1 CS.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
390800	CH-418-FW-2 COUPLING-TO-PIPE	C-F-1 CS.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
390900	CH-418-FW-3 Pipe to Valve V-2658	C-F-1 CS.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
I-2-CH-137 (REF. DWG. NO. 02-090-A)													
391000	CH-137-SW-15 Pipe to Valve V-2167	C-F-1 CS.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
391100	CH-137-SW-14 VALVE (V-2167)-TO-PIPE	C-F-1 CS.30	SUR	3	-	-	-	-	-	-	-	-	
-----													
391150	CH-78-R1 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
391200	CH-137-SW-13 Pipe to Valve V-2339	C-F-1 CS.30	SUR	3	-	-	-	-	-	-	-	-	
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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

CHARGING PUMP 2C DISCHARGE TO AUX. HPSI

2-090

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-2-CH-137 (REF. DWG. NO. 02-090-B)													
391300	CH-137-SW-12 Valve V-2339 to Pipe	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	
-----													
391400	CH-137-FW-10 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	
-----													
391500	CH-137-SW-11 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	SS, 2" X 3/4" REDUCING INSERT. STRUCTURAL DISCONTINUITY.
-----													
391600	CH-137-SW-9 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	SS, STRUCTURAL DISCONTINUITY.
-----													
391650	CH-78-R3 PIPE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
-----													
391700	CH-137-FW-26 BRANCH SADDLE WELD	C-F-1 C5.41	SUR	3	-	-	-	X	-	-	-	-	SS, 6000# S.W. BRANCH CONNECTION
-----													
I-2-CH-135 (REF. DWG. NO. 02-090-B)													
391800	CH-135-FW-4 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	
-----													



REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

CHARGING PUMP 2C DISCHARGE TO AUX. HPSI

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
		ITEM NO		1	2	3	1	2	3	1	2	3					
392700	CH-137-SW-1 Pipe to Valve V-2440	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-















COMBINED DISCHARGE TO HPSI TIE IN LOOP 2B

2-092

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
396500	SI-176-SW-9 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	SS, 2" X 3/4" REDUCING INSERT
396600	SI-176-SW-8 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	
396700	SI-176-SW-10 Pipe to Valve V-3518	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	
396800	SI-176-SW-11 Valve V-3518 to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	
396900	SI-176-FW-12 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	
397000	SI-176-SW-14 Reducer to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	-	-	SS, 2" X 1" REDUCING INSERT
397100	SI-176-SW-13 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	-	
397200	SI-176-FW-17 Pipe to Branch Connection	C-F-1 C5.30	SUR	3	-	-	-	X	-	-	-	-	-	

HPSI 2A DISCHARGE TO SDC LOOP 2A

2-093

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-3-SI-179 (REF. DWG. NO. 02-093-A)														
397400	SI-179-FW-801 Penetration 69 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	**3*-SS-160-.434-22-SLC**
397450	SI-4208-2021 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
397500	SI-179-9-SW-7 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
397600	SI-179-9-SW-6 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	**3*-SS-160-.434-22-SLC**
397700	SI-179-9-SW-5 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
397800	SI-179-9-SW-4 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
397900	SI-179-9-SW-3 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
398000	SI-179-9-SW-2 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**

HFSI 2A DISCHARGE TO SDC LOOP 2A  
 2-093

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
398030	SI-4208-210A DUAL RIGID RODS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	X	-	-	
398060	SI-4208-210B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
398090	SI-4208-210C Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
398100	SI-179-9-SW-1 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	**3*-SS-160-.434-22-SLC**
398200	SI-179-FW-11 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
398300	SI-179-10-SW-4 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
398400	SI-179-10-SW-3 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	X	-	-	**3*-SS-160-.434-22-SLC**
398500	SI-179-10-SW-2 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**



HPSI 2A DISCHARGE TO SDC LOOP 2A  
 2-093

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
398980	SI-4208-231 TRUNNION	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
399000	SI-179-FW-14 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
399050	SI-4208-234 TRUNNION	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	X	-	-	-	-	-	
399100	SI-4208-234 IA Integral Attachments	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	8 attachments
399200	SI-179-FW-15 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
399240	SI-4208-237 TRUNNION	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
399280	SI-4208-240 TRUNNION	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
399300	SI-179-FW-16 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**



HPSI 2A DISCHARGE TO SDC LOOP 2A  
 2-093

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
399700	SI-179-FW-907 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
399800	SI-179-FW-18 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
399900	SI-179-17-SW-1 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
I-3-SI-179 (REF. DWG. NO. 02-093-B)															
400000	SI-179-17-SW-2 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
400100	SI-179-17-SW-3 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
400200	SI-179-17-SW-4 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
400300	SI-179-FW-905 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
400400	SI-179-FW-906 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**



HPSI 2A DISCHARGE TO SDC LOOP 2A  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
400500	SI-179-17-SW-5 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
400600	SI-179-17-SW-6 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
400620	SI-4208-264A TRUNNION	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	-	-	
400640	SI-4208-264B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
400660	SI-4208-266A TRUNNION	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	-	-	
400680	SI-4208-266B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
400700	SI-179-FW-904 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
400800	SI-179-FW-19 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**

HPSI 2A DISCHARGE TO SDC LOOP 2A  
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INSPECTION INTERVAL

PLAN STATUS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	NDE METH	O U T A G E									INSTRUCTIONS **CALIBRATION BLOCK**			
				FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
400900	SI-179-18-SW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3--SS-160-.434-22-SLC**
401000	SI-179-18-SW-2 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3--SS-160-.434-22-SLC**
401100	SI-179-18-SW-3 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3--SS-160-.434-22-SLC**
401150	SI-4208-2705A PIPE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	
401200	SI-179-FW-914 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3--SS-160-.434-22-SLC**
401250	SI-4208-2705B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
401300	SI-179-18-SW-4 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3--SS-160-.434-22-SLC**
401400	SI-179-18-SW-5 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	**3--SS-160-.434-22-SLC**

HPSI 2A DISCHARGE TO SDC LOOP 2A  
 2-093

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
401500	SI-179-FW-913 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** **3*-SS-160-.434-22-SLC**
401600	SI-179-18-SW-6 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
401700	SI-179-FW-912 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
401800	SI-179-18-SW-7 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
401900	SI-179-FW-20 Pipe to Valve V-3524	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 2 COMPONENTS

HPSI HEADER B TO SDC LOOP 2B

2-094

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-SI-213 (REF. DWG. NO. 02-094-A)													
404300	SI-213-1-SW-11 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	**3*-SS-160-.434-22-SLC**
404400	SI-213-1-SW-12 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
404500	SI-213-FW-902 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
404600	SI-213-FW-903 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
404650	SI-2415-119 RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
404700	SI-213-1-SW-3 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
404800	SI-213-1-SW-2 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
404900	SI-213-1-SW-1 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**

HPSI HEADER B TO SDC LOOP 2B

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
I-3-SI-180 (REF. DWG. NO. 02-094-A)														
405000	SI-180-FW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	**3*-SS-160-.434-22-SLC**
-----														
405100	SI-180-1-SW-1 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	**3*-SS-160-.434-22-SLC**
-----														
I-3-SI-382 (REF. DWG. NO. 02-094-A)														
405200	SI-180-1-SW-3 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
-----														
405300	SI-180-1-SW-4 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
-----														
405400	SI-382-FW-1 Elbow to Flange SO-03-18	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	**3*-SS-160-.434-22-SLC**
-----														
405500	SI-382-FW-2 Flange SO-03-18 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
-----														
405600	SI-180-1-SW-6 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
-----														



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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
406350	SI-2415-105 SLIDING BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	X	-	-	
406400	SI-220-1-SW-5 Pipe to Tee	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 4" X 4" X 3" REDUCING TEE. **UT-39**
406500	SI-220-1-SW-4 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 4" X 4" X 3" REDUCING TEE. **UT-39**
406550	SI-2415-103 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
406600	SI-220-1-SW-3 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-39**
406700	SI-220-1-SW-2 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**UT-39**
406800	SI-220-1-SW-1 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 4" X 2" REDUCER **To be determined**

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-SI-180 (REF. DWG. NO. 02-094-A)													
406900	SI-180-1-SW-2 Tee to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**To be determined**
-----													
406950	SI-2415-134 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	
-----													
407000	SI-180-FW-2 Pipe to Valve V-3522	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	**3"-SS-160-.434-22-SLC**
-----													
I-3-SI-181 (REF. DWG. NO. 02-094-B)													
407100	SI-181-FW-1 Valve V-3522 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
-----													
407150	SI-2415-138 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	
-----													
407200	SI-2415-138 IA SHEAR LUGS (4)	C-C C3.20	SUR	3	-	-	-	-	-	-	-	-	
-----													
407300	SI-181-1-SW-1 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	**3"-SS-160-.434-22-SLC**
-----													
407400	SI-181-FW-2 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
-----													



HPSI HEADER B TO SDC LOOP 2B  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
407450	SI-2415-143 PIPE SLEEVE ANCHOR	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
407500	SI-181-FW-903 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
407600	SI-181-2-SW-2 2" Branch Connection	C-F-1 C5.41	SUR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3" X 2" 6000# SOCKOLET
407700	SI-181-FW-905 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
407800	SI-181-FW-904 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
407850	SI-2414-8003 RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	X	-
407900	SI-181-2-SW-1 Pipe to Flange	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
408000	SI-181-3-SW-1 Flange FE-3327 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**







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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
409900	SI-181-6-SW-2 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
410000	SI-181-6-SW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
410050	SI-2414-170 SLIDING BASE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
410100	SI-181-FW-6 Pipe to Valve V-3551	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
410200	SI-181-FW-7 Valve V-3551 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
410250	SI-2414-130 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	
410300	SI-181-FW-8 Pipe to Valve V-3523	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
410400	SI-181-FW-9 Valve V-3523 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**



HPSI 2B DISCHARGE TO SDC LOOP 2B

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-3-SI-181 (REF. DWG. NO. 02-095)													
412700	SI-181-FW-801 Penetration 70 to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
412750	SI-4206-6011 DUAL RIGID RODS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	
412800	SI-181-9-SW-5 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
412900	SI-181-9-SW-4 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
412950	SI-4206-605 DUAL RIGID STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	X	-	-	
413000	SI-181-9-SW-3 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
413100	SI-181-9-SW-2 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
413200	SI-181-9-SW-1 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**

INSERVICE INSPECTION LONG TERM PLAN  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
413300	SI-181-FW-11 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
413350	SI-4206-611 RIGID ROD	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
413400	SI-181-10-SW-2 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
413500	SI-181-10-SW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
413530	SI-4206-614 DUAL RIGID STRUTS	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
413560	SI-4206-616A RIGID STRUT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
413590	SI-4206-616B Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
413600	SI-181-FW-12 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**



HPFI 2B DISCHARGE TO SDC LOOP 2B  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
413700	SI-181-FW-913 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
413750	SI-4206-619 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
413800	SI-181-FW-911 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
413900	SI-181-FW-918 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
414000	SI-181-FW-917 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
414050	SI-4206-621 BOX RESTRAINT	F-A F1.20	VT-3	3	-	-	-	-	-	-	-	-	-	-	
414100	SI-181-FW-914 Pipe to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
414200	SI-181-FW-910 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**

HPSI 2B DISCHARGE TO SDC LOOP 2B  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
414300	SI-181-FW-909 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**CALIBRATION BLOCK** **3*-SS-160-.434-22-SLC**
414400	SI-181-FW-13 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	**3*-SS-160-.434-22-SLC**
414500	SI-181-12-SW-5 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
414540	SI-4206-6254 Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures
414580	SI-4206-6255 PIPE SUPPORT	F-A F1.20	VT-3	3	-	-	-	-	-	-	X	-	-	-	
414600	SI-181-12-SW-4 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	**3*-SS-160-.434-22-SLC**
414700	SI-181-12-SW-3 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3*-SS-160-.434-22-SLC**
414750	SI-4206-6271C Snubber		VT-3	3	-	-	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
414800	SI-181-12-SW-2 Pipe to Elbow	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	**3"-SS-160-.434-22-SLC**
414900	SI-181-12-SW-1 Elbow to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	**3"-SS-160-.434-22-SLC**
415000	SI-181-FW-14 PIPE-TO-VALVE (V-3526)	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	X	-	-	-	**3"-SS-160-.434-22-SLC**

HFSI 2B DISCHARGE TO SDC LOOP 2B

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
		O U T A G E													
			1	2	3	1	2	3	1	2	3				
I-2-SI-205 (REF. DWG. NO. 02-096-A)															
416200	SI-205-FW-1 Branch Connection to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	X	-	-	
416300	SI-205-SW-2 Pipe to Elbow	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	X	-	-	
416400	SI-205-SW-3 Elbow to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	X	-	-	
416500	SI-205-SW-4 Pipe to Tee	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	X	-	-	
416600	SI-205-SW-5 Tee to Reducer	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	X	-	-	SS, 2" X 3/4" REDUCING INSERT. STRUCTURAL DISCONTINUITY.
416700	SI-205-SW-6 Tee to Pipe	C-F-1 C5.30	SUR	3	-	-	-	-	-	-	-	X	-	-	
416800	SI-205-SW-7 Pipe to Reducer	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 2" X 1" REDUCER. **To be determined**
416900	SI-205-SW-10 Reducer to Pipe	C-F-1 C5.21	SUR VOL	3	-	-	-	-	-	-	-	-	-	-	SS, 1" X 2" REDUCER. **To be determined**

















CONTAINMENT SPRAY PUMP 2B  
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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
418462	CS-SUPPORT 2B-1 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
418466	CS-2B-2-2 Integral Attachment	C-C C3.30	SUR	3	-	-	-	-	-	-	-	-	-	
418470	CS-SUPPORT 2B-2 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
418474	CS-2B-2-3 Integral Attachment	C-C C3.30	SUR	3	-	-	-	-	-	-	-	-	-	
418476	CS-SUPPORT 2B-3 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required

HPSI PUMP 2A  
 2-098

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-098-A)														
418480	HP-SUPPORT 2A-1 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
-----														
418484	HP-SUPPORT 2A-2 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
-----														
(REF. DWG. NO. 02-098-B)														
418488	HP-SUPPORT 2B-1 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----														
418492	HP-SUPPORT 2B-2 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----														

COMPONENT COOLING WATER HX 2A & 2B INLET HEADER  
 2-100

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-20-CC-1 (REF. DWG. NO. 02-100-A)													
418500	CC-2073-441 VARIABLE SPRING BASE SUPPORT	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
418550	CC-2073-441 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	X	-	-	-	-	STD. PIPE 2'-1" LONG.
-----													
I-24-CC-1 (REF. DWG. NO. 02-100-A)													
418600	CC-2073-392 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-24-CC-11 (REF. DWG. NO. 02-100-A)													
418700	CC-2073-13 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
418800	CC-2073-8 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
418900	CC-2073-70 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
419000	CC-2073-602 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													

COMPONENT COOLING WATER HX 2A & 2B INLET HEADER

2-100

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-24-CC-4 (REF. DWG. NO. 02-100-A)													
419100	CC-2073-162 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
419200	CC-2073-18 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
419300	CC-2073-18 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	X	-	-	-	-	SIZE 3" x 3/4" x 6" LUGS.
-----													
I-20-CC-2 (REF. DWG. NO. 02-100-A)													
419400	CC-2073-492 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
419500	CC-2073-531 Spring Support	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
419600	CC-2073-531 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	X	-	-	-	-	
-----													
I-24-CC-12 (REF. DWG. NO. 02-100-B)													
419800	CC-2073-222 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													





REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

COMPONENT COOLING WATER HX 2A & 2B INLET HEADER

2-100

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
420600	CC-2073-322 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

COMPONENT COOLING WATER EX 2A & 2B DISCHARGE

2-101

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-24-CC-15 (REF. DWG. NO. 02-101-A)													
420700	CC-2075-6005 SLIDING BASE SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
420800	CC-2075-90 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
420900	CC-2075-90 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
421000	CC-2075-87 SLIDING BASE SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-24-CC-13 (REF. DWG. NO. 02-101-B)													
421100	CC-2075-6006 SLIDING BASE SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
421200	CC-2075-7005 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
421300	CC-2075-6008 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
421400	CC-2075-110 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													



COMPONENT COOLING WATER HX 2A & 2B DISCHARGE

2-101

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-24-CC-14 (REF. DWG. NO. 02-101-A)													
422300	CC-2075-6003 SLIDING BASE SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
422400	CC-2075-7015 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
422500	CC-2075-6001 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
422600	CC-2075-72 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
422700	CC-2075-72 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
I-20-CC-17 (REF. DWG. NO. 02-101-A)													
422800	CC-2075-8100 RIGID FRAME ANCHOR	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
422900	CC-2075-8100 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
423000	CC-2061-101 Snubber		VT-3	3	-	-	-	-	-	-	-	-	Snubbers examined in accordance with plant procedures

COMPONENT COOLING WATER HX 2A & 2B DISCHARGE

2-101

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
423200	CC-2061-7105 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
423300	CC-2061-7111 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
(REF. DWG. NO. 02-182)																	
423400	2B-W SHELL TO TUBESHEET/FLANGE WELD-WEST END	CCWHX AUG-2	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	TUBE SHEET MATL.- SB 171 TP D AL BR. 2" T. Examine 100% of accessible weld, if required **MOCKUP**
423500	2B-E SHELL TO TUBESHEET/FLANGE WELD-EAST END	CCWHX AUG-2	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	TUBE SHEET MATL.- SB 171 TP D AL BR. 2" T. Examine 100% of accessible weld, if required **MOCKUP**
(REF. DWG. NO. 02-181)																	
423600	2A-W SHELL TO TUBESHEET/FLANGE WELD-WEST END	CCWHX AUG-2	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	TUBE SHEET MATL.- SB 171 TP D AL BR. 2" T. Examine 100% of accessible weld, if required **MOCKUP**
423700	2A-E SHELL TO TUBESHEET/FLANGE WELD-EAST END	CCWHX AUG-2	VOL	3	-	-	-	-	-	-	-	-	-	-	-	-	TUBE SHEET MATL.- SB 171 TP D AL BR. 2" T. Examine 100% of accessible weld, if required **MOCKUP**



COMPONENT COOLING - SHUTDOWN COOLING RX 2A INLET  
 2-102

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**			
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD						
				1	2	3	1	2	3	1	2	3				
424600	CC-2062-6220 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-
424700	CC-2062-6220 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	-	-	-	-
424800	CC-2062-7226 RIGID PENETRATION SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-
424900	CC-2062-7227 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	X	-	-	-	-
425000	CC-2062-7227 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	X	-	-	-	-
425100	CC-2062-6228 RIGID STRUT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	X	-	-	-	-
425200	CC-2062-6228 Spring Support	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	X	-	-	-	-





COMPONENT COOLING - SHUTDOWN COOLING HX 2B INLET

2-103

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-20-CC-17 (REF. DWG. NO. 02-103-A)													
425600	CC-2061-7001 RIGID PENETRATION SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
425700	CC-2061-191 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	X	-	-	
-----													
425800	CC-2061-191 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
425900	CC-2061-7011 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
426000	CC-2061-7013 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
426100	CC-2061-15 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-14-CC-21 (REF. DWG. NO. 02-103-A)													
426200	CC-2061-7020 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
426300	CC-2061-7023 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
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COMPONENT COOLING-SHUTDOWN COOLING HX 2A DISCHARGE

2-105

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-20-CC-26 (REF. DWG. NO. 02-105-A)													
429700	CC-2064-7623 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-10-CC-45 (REF. DWG. NO. 02-105-B)													
429800	CC-2064-86 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-8-CC-48 (REF. DWG. NO. 02-105-B)													
429900	CC-2064-6681 Spring Support	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
430100	CC-2064-6679 Spring Support	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-8-CC-50 (REF. DWG. NO. 02-105-B)													
430300	CC-2064-6692 VARIABLE SPRING HANGER	F-A F1.30	VT-3	3	X	-	-	-	-	-	-	-	
-----													
430400	CC-2064-6692 IA Integral Attachment	D-A D1.20	VT-1	3	X	-	-	-	-	-	-	-	WELDED TO ELBOW
-----													
430600	CC-2064-6691 Spring Support	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													











COMPONENT COOLING-SHUTDOWN COOLING HX 2B DISCHARGE  
 2-106

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-10-CC-46 (REF. DWG. NO. 02-106-B)													
433800	CC-2063-81 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-8-CC-52 (REF. DWG. NO. 02-106-B)													
433900	CC-2063-76A RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	X	-	-	-	-	-	-	-	
-----													
434000	CC-2063-6474 Spring Support	F-A F1.30	VT-3	3	X	-	-	-	-	-	-	-	
-----													
I-8-CC-54 (REF. DWG. NO. 02-106-B)													
434200	CC-2063-6490 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
434300	CC-2063-6488 Spring Support	F-A F1.30	VT-3	3	X	-	-	-	-	-	-	-	
-----													

REVISION: 0

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

COMPONENT COOLING WATER PUMPS 2A, 2B & 2C INLET  
2-107

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-24-CC-31 (REF. DWG. NO. 02-107-A)													
434500	CC-2074-61 Spring Support	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
434600	CC-2074-61 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
434800	CC-2074-59 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
434900	CC-2074-59 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
I-24-CC-28 (REF. DWG. NO. 02-107-B)													
435000	CC-2074-50 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-20-CC-26 (REF. DWG. NO. 02-107-B)													
435100	CC-2074-44 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
435200	CC-2074-42 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
435300	CC-2064-8201 Anchor	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	















INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

CONDENSATE-SUCTION TO AUX. FEEDWATER PUMP 2C

2-109

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-8-C-56 (REF. DWG. NO. 02-109-A)													
440000	C-2200-10 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
440100	C-2200-12 SLIDING BASE SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
440200	C-2200-13 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
440300	C-2200-15 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-8-C-141 (REF. DWG. NO. 02-109-A)													
440400	C-2200-136 RIGID RESTRAINT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-8-C-85 (REF. DWG. NO. 02-109-B)													
440500	C-2204-58 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
440600	C-2204-60 RIGID BOX RESTRAINT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
440700	C-2204-60 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	(4) 2" x 3/4" x 2" LUGS.



CONDENSATE-SUCTION TO AUX. FEEDWATER PUMP 2A & 2B

2-110

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-8-C-68 (REF. DWG. NO. 02-110-A)													
441200	C-2200-161 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
441300	C-2200-161 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	(4) 2" x 3/4" x 2" LUGS.
-----													
441400	C-2200-162 RIGID ROD HANGER	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
441500	C-2200-168 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
441600	C-2200-171 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-8-C-87 (REF. DWG. NO. 02-110-B)													
441700	C-2202-200 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
441800	C-2202-203 RIGID BOX RESTRAINT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
441900	C-2202-203 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	(4) 2" x 3/4" x 2" LUGS.
-----													

DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 3 COMPONENTS

PAGE: 642

CONDENSATE-SUCTION TO AUX. FEEDWATER PUMP 2A & 2B

2-110

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
442000	C-2202-205 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
I-6-C-90 (REF. DWG. NO. 02-110-B)																	
442100	C-2202-212 RIGID BOX SUPPORT	F-A F1.30	VT-3	3	X	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
I-6-C-54 (REF. DWG. NO. 02-110-B)																	
442200	C-2202-226 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	

AUX. FEEDWATER PUMPS 2A & 2B DISCHARGE

2-111

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-4-BF-30 (REF. DWG. NO. 02-111-B)													
442300	BF-3020-99 ANCHOR	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
442400	BF-3020-99 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
442500	BF-3020-92 RIGID ROD HANGER	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
442600	BF-3020-89 ANCHOR	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
442700	BF-3020-89 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
442800	BF-3020-110 BOX RESTRAINT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-4-BF-63 (REF. DWG. NO. 02-111-B)													
442900	BF-3020-85 ANCHOR	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
443000	BF-3020-85 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													









CIRCULATING WATER FROM INTAKE COOLING WATER PUMPS

2-112

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-CW-9 (REF. DWG. NO. 02-112-B)													
445500	CW-3000-77 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
445600	CW-3000-7010 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	X	-	
-----													
445800	CW-3000-7010A RIGID FRAME & STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-36-CW-16 (REF. DWG. NO. 02-112-B)													
445900	CW-3000-7011 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	X	-	
-----													
446000	CW-3000-7011 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
I-36-CW-12 (REF. DWG. NO. 02-112-A)													
446100	CW-3000-66 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	X	-	
-----													
446200	CW-3000-66 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	X	-	
-----													



CIRCULATING WATER FROM INTAKE COOLING WATER PUMPS  
 2-112

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-CW-11 (REF. DWG. NO. 02-112-A)													
447100	CW-3000-5 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
447200	CW-3000-7001 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
447300	CW-3000-11 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
447400	CW-3000-13 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	X	-	-	-	-	
-----													
447500	CW-3000-13 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	X	-	-	-	-	
-----													
447600	CW-3000-7003 SLIDING BASE & RIGID STRUT		VT-3	3	-	-	-	-	-	-	-	-	Support removed from service 1996 reference JPN-SPSL-96-0433, PC/M96-141, and CR 96-1743
-----													
447700	CW-3000-7003 IA Integral Attachment		VT-1	3	-	-	-	-	-	-	-	-	Support removed from service 1996 reference JPN-SPSL-96-0433, PC/M96-141, and CR 96-1743
-----													

CIRCULATING WATER FROM INTAKE COOLING WATER PUMPS  
 2-112

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
447800	CW-3000-7004 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																		
I-36-CW-13 (REF. DWG. NO. 02-112-B)																		
447900	CW-3000-7006 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	X
-----																		
448000	CW-3000-7006 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																		
I-30-CW-20 (REF. DWG. NO. 02-112-B)																		
448100	CW-3000-8033 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																		



CIRCULATING WATER TO CCW HEAT EXCHANGER 2A  
 2-113

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**				
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD							
				1	2	3	1	2	3	1	2	3					
449000	CW-3001-7351 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
I-20-CW-96 (REF. DWG. NO. 02-113-B)																	
449100	CW-3001-112 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
449200	CW-3001-112A RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
449300	CW-3001-6007 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
I-30-CW-78 (REF. DWG. NO. 02-113-B)																	
449400	CW-3001-36 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
449500	CW-3001-6150 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	
449600	CW-3001-1071 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
-----																	



CIRCULATING WATER TO CCW HEAT EXCHANGER 2B  
 2-114

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-CW-91 (REF. DWG. NO. 02-114-A)													
449700	CW-3001-8001 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-30-CW-79 (REF. DWG. NO. 02-114-A)													
449800	CW-3001-7175 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
449900	CW-3001-7075 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
450000	CW-3001-9 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
450100	CW-3001-6146 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-20-CW-97 (REF. DWG. NO. 02-114-A)													
450200	CW-3001-72 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
450300	CW-3001-6022 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

CIRCULATING WATER TO CCW HEAT EXCHANGER 2B

2-114

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
I-30-CW-79 (REF. DWG. NO. 02-114-B)													
450400	CW-3001-26 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
450500	CW-3001-6149 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
I-30-CW-71 (REF. DWG. NO. 02-114-B)													
450600	CW-3001-726 RIGID FRAME SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													
450700	CW-3001-726 IA Integral Attachment	D-A D1.20	VT-1	3	-	-	-	-	-	-	-	-	
-----													
I-30-CW-79 (REF. DWG. NO. 02-114-B)													
450800	CW-3001-1010 RIGID STRUT SUPPORT	F-A F1.30	VT-3	3	-	-	-	-	-	-	-	-	
-----													





LETDOWN HEAT EXCHANGER

2-180

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-180)														
452400	LDX-1 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	X	-	-	-	-	-	Examination of only 1 of multiple components required
452500	LDX SUPPORT 1 Heat Exchanger Support	F-A F1.40	VT-3	3	-	-	-	X	-	-	-	-	-	Examination of only 1 of multiple components required
452600	LDX-2 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	X	-	-	-	-	-	Examination of only 1 of multiple components required
452700	LDX SUPPORT 2 Heat Exchanger Support	F-A F1.40	VT-3	3	-	-	-	X	-	-	-	-	-	Examination of only 1 of multiple components required

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

COMPONENT COOLING WATER HEAT EXCHANGER 2A

2-181

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-181)													
452800	CCWX-2A-1 IA Integral Attachment	D-A D1.10	VT-1	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
452900	CCWX-SUPPORT 2A-1 HX 2A SUPPORT	F-A F1.40	VT-3	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453000	CCWX-2A-2 IA Integral Attachment	D-A D1.10	VT-1	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453100	CCWX-SUPPORT 2A-2 HX 2A SUPPORT	F-A F1.40	VT-3	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453200	CCWX-2A-3 IA Integral Attachment	D-A D1.10	VT-1	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453300	CCWX-SUPPORT 2A-3 HX 2A SUPPORT	F-A F1.40	VT-3	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453400	CCWX-2A-4 IA Integral Attachment	D-A D1.10	VT-1	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required

DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 3 COMPONENTS

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COMPONENT COOLING WATER HEAT EXCHANGER 2A  
 2-181

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				O U T A G E											
				1	2	3	1	2	3	1	2	3			
453500	CCNX-SUPPORT 2A-4 HX 2A SUPPORT	F-A F1.40	VT-3	3	X	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required



COMPONENT COOLING WATER HEAT EXCHANGER 2B  
 2-182

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-182)													
453600	CCWX-2B-1 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453700	CCWX-SUPPORT 2B-1 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453800	CCWX-2B-2 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
453900	CCWX-SUPPORT 2B-2 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
454000	CCWX-2B-3 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
454100	CCWX-SUPPORT 2B-3 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
454200	CCWX-2B-4 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required



DATE: 08/08/03  
 REVISION: 0

ST. LUCIE - UNIT 2  
 INSERVICE INSPECTION LONG TERM PLAN  
 CLASS 3 COMPONENTS

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COMPONENT COOLING WATER HEAT EXCHANGER 2B

2-182

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
454300	CCWX-SUPPORT 2B-4 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required

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INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

COMPONENT COOLING WATER PUMP 2A

2-183

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. II CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
(REF. DWG. NO. 02-183-A)														
454400	CCWP-2A-1 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	X	-	-	
454500	CCWP-SUPPORT 2A-1 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
454600	CCWP-2A-2 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	X	-	-	
454700	CCWP-SUPPORT 2A-2 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
454800	CCWP-2A-3 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	-	
454900	CCWP-SUPPORT 2A-3 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
455000	CCWP-2A-4 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	-	
455100	CCWP-SUPPORT 2A-4 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required

COMPONENT COOLING WATER PUMP 2B

2-183

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-183-B)													
455200	CCWP-2B-1 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
455300	CCWP-SUPPORT 2B-1 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
455400	CCWP-2B-2 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
455500	CCWP-SUPPORT 2B-2 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
455600	CCWP-2B-3 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
455700	CCWP-SUPPORT 2B-3 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
455800	CCWP-2B-4 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
455900	CCWP-SUPPORT 2B-4 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

COMPONENT COOLING WATER PUMP 2C  
2-183

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-183-C)													
456000	CCWP-2C-1 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
456100	CCWP-SUPPORT 2C-1 PUMP 2C SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
456200	CCWP-2C-2 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
456300	CCWP-SUPPORT 2C-2 PUMP 2C SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
456400	CCWP-2C-3 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
456500	CCWP-SUPPORT 2C-3 PUMP 2C SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
456600	CCWP-2C-4 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
456700	CCWP-SUPPORT 2C-4 PUMP 2C SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required

FUEL POOL COOLING PUMP 2A  
 2-184

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-184-A)													
456800	FPCF-2A-1 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
-----													
456900	FPCF-SUPPORT 2A-1 PUMP 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
(REF. DWG. NO. 02-184-B)													
457000	FPCF-2B-1 IA Integral Attachment	D-A D1.30	VT-1	3	-	-	-	-	-	-	-	-	
-----													
457100	FPCF-SUPPORT 2B-1 PUMP 2B SUPPORT	F-A F1.40	VT-3	3	-	-	X	-	-	-	-	-	Examination of only 1 of multiple components required
-----													

FUEL POOL COOLING HEAT EXCHANGER 2A  
 2-185

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-185-A)													
457200	FPCX-2A-1 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
457300	FPCX-SUPPORT 2A-1 HX 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
457400	FPCX-2A-2 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
457500	FPCX-SUPPORT 2A-2 HX 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
(REF. DWG. NO. 02-185-B)													
457600	FPCX-2B-1 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	X	-	Examination of only 1 of multiple components required
-----													
457700	FPCX-SUPPORT 2B-1 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	Examination of only 1 of multiple components required
-----													
457800	FPCX-2B-2 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	X	-	Examination of only 1 of multiple components required

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 CLASS 3 COMPONENTS

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FUEL POOL COOLING HEAT EXCHANGER 2B  
 2-185

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**		
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD					
				1	2	3	1	2	3	1	2	3			
457900	FPCX-SUPPORT 2B-2 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required



INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

Auxiliary Feedwater Pumps

2-186

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-186)													
458000	Aux Feed Pump 2A Support Pump 2A Support	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required, Support is welded to leak collection system, pump is bolted to support in 4 areas
-----													
458200	Aux Feed Pump 2B Support Pump 2B Support	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required, Support is welded to leak collection system, pump is bolted to support in 4 areas
-----													
458400	Aux Feed Pump 2C Support Pump 2C Support	F-A F1.40	VT-3	3	X	-	-	-	-	-	-	-	Examination of only 1 of multiple components required, Support is welded to leak collection system, pump is bolted to support in 4 areas
-----													



SHUTDOWN COOLING HEAT EXCHANGER 2A  
 2-187

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD			
				1	2	3	1	2	3	1	2	3	
(REF. DWG. NO. 02-187-A)													
458600	SDCX-2A-1 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	X	-	-	-	-	Examination of only 1 of multiple components required
-----													
458700	SDCX-SUPPORT 2A-1 HX 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	X	-	-	-	-	Examination of only 1 of multiple components required
-----													
458800	SDCX-2A-2 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	X	-	-	-	-	Examination of only 1 of multiple components required
-----													
458900	SDCX-SUPPORT 2A-2 HX 2A SUPPORT	F-A F1.40	VT-3	3	-	-	-	X	-	-	-	-	Examination of only 1 of multiple components required
-----													
(REF. DWG. NO. 02-187-B)													
459000	SDCX-2B-1 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
459100	SDCX-SUPPORT 2B-1 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													
459200	SDCX-2B-2 IA Integral Attachment	D-A D1.10	VT-1	3	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required
-----													

INSERVICE INSPECTION LONG TERM PLAN  
CLASS 3 COMPONENTS

SHUTDOWN COOLING HEAT EXCHANGER 2B

2-187

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**					
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD								
				1	2	3	1	2	3	1	2	3						
459300	SDCX-SUPPORT 2B-2 HX 2B SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	Examination of only 1 of multiple components required



COMPONENT COOLING WATER SURGE TANK  
 2-189

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
- - - - O U T A G E - - - -														
	(REF. DWG. NO. 02-189)													
460600	CCWST-1 IA Integral Attachment	D-2 D1.10	VT-1	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
460700	CCWST-SUPPORT 1 TANK SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
460800	CCWST-2 IA Integral Attachment	D-2 D1.10	VT-1	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required
460900	CCWST-SUPPORT 2 TANK SUPPORT	F-A F1.40	VT-3	3	-	-	-	-	-	-	X	-	-	Examination of only 1 of multiple components required

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 CLASS 2 COMPONENTS

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REACTOR BUILDING CONTAINMENT VESSEL

2-150

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	INSPECTION INTERVAL		PLAN STATUS									INSTRUCTIONS **CALIBRATION BLOCK**	
		ASME SEC. XI CATEGORY ITEM NO	NDE METH	FIRST PERIOD			SECOND PERIOD			THIRD PERIOD				
				1	2	3	1	2	3	1	2	3		
				- - - - O U T A G E - - - -										
		VESSEL LINER (REF. DWG. NO. N/A)												
461000	REACTOR BUILDING VESSEL LINER	IWE		3	-	-	-	-	-	-	-	-	-	Examinations performed in accordance with IWE program

