FirstEnergy Nuclear Operating Company

Barry S. Allen Vice President - Nuclear 419-321-7676 Fax: 419-321-7582

April 29, 2008 L-08-136

## 10 CFR 50.55a

ATTN: Document Control Desk United States Nuclear Regulatory Commission Washington, D. C. 20555-0001

SUBJECT:

Davis-Besse Nuclear Power Station, Unit 1 Docket No. 50-346, License No. NPF-3 Davis-Besse Nuclear Power Station Cycle 15 and Refueling Outage 15 Inservice Inspection Summary Report

In accordance with the 1995 Edition, 1996 Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI, IWA-6000, "Records and Reports," enclosed is the summary report covering inservice inspection activities performed during operating Cycle 15 and Refueling Outage 15 for the Davis-Besse Nuclear Power Station. This report provides a summary of the inservice inspection nondestructive examinations, once through steam generator tubing eddy current examinations, pressure tests, and repairs/replacements.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Thomas A. Lentz, Manager – Fleet Licensing, at (330) 761-6071.

Sincerely,

Enclosure: ISI Summary Report cc: NRC Region III Administrator NRC Resident Inspector NRR Project Manager Utility Radiological Safety Board Executive Director, Ohio Emergency Management Agency, State of Ohio (NRC Liaison)

# **ISI SUMMARY REPORT**

CYCLE 15 and REFUELING OUTAGE 15R (15 RFO) OUTAGE START DATE: December 30, 2007 OUTAGE COMPLETION DATE: February 14, 2008 REPORTING DATE: May 14, 2008

## **DAVIS -BESSE NUCLEAR POWER STATION**

5501 North State Route #2

Oak Harbor

Ottawa County, Ohio 43449

# OWNER: FIRSTENERGY NUCLEAR GENERATION CORPORATION OPERATED BY: FIRSTENERGY NUCLEAR OPERATING COMPANY

76 South Main St.

Akron, Ohio 44308

NRC DOCKET NUMBER: 50-346 OPERATING LICENSE: NPF-3 COMMERCIAL OPERATION: July 31, 1978

Prepared By:	C. T. Daft	Car	4.22.58
		Signature	Date
Reviewed By :	D. J. Munson	Signature	<b>4 23 08</b> Date
Approved By:	T. A. St.Clair Supervisor – Program	s Signature	<b>4 24 08</b> Date
Approved By:	S. T. Plymale C.Q. Manager – Technical	Itype for S. Ply Services Signature	<u>male 4-25-09</u> Date

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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		NDE Manual Examinations

## ABSTRACT

This report provides a summary of the Inservice Inspection Nondestructive Examinations, Once Through Steam Generator (OTSG) Tubing Eddy Current Examinations, Pressure Tests, and Repairs/Replacements performed during Cycle 15 and the 15<sup>th</sup> Refueling Outage at the Davis-Besse Nuclear Power Station.

The Inservice Inspection Program is in compliance with the requirements of 10 CFR 50.55a, the 1995 Edition through the 1996 Addenda of the ASME Boiler and Pressure Vessel Code Section XI, and the Davis-Besse Unit #1 Technical Specifications. These examinations completed a portion of the examinations required for the second period of the Third Ten Year Inservice Inspection Interval which ends on May 20, 2009.

The Inservice Inspection Program nondestructive examinations, eddy current examinations, and pressure tests were performed by AREVA, First Energy Nuclear Operating Company (FENOC) and Structural Integrity Associates personnel from April 2006 through completion of 15R on February 14, 2008.

The NDE examinations consisted of Ultrasonic (UT), Liquid Penetrant (PT), Magnetic Particle (MT), and Visual (VT-1, VT-2, VT-3). Preservice and Inservice Inspection examinations of approximately 154 ASME Class 1 and 2 components were performed. A general visual examination of the Containment Vessel interior surface was also contacted. All examinations met the acceptance criteria of ASME Section XI.

During application of a Full Structural Weld Overlay to the Decay Heat Drop Line Nozzle Alloy 600 dissimilar metal weld, water seepage was noted. The welding was stopped and an ultrasonic examination performed. This examination revealed a through wall axial flaw in the Alloy 600 weld material. This flaw was subsequently repaired through the application of a Full Structural Weld Overlay.

Approximately 73 ASME Class 1 and 2 system leakage tests were conducted. In addition to the system leakage tests, pressure tests were also conducted following repair/replacement activities. No leakage exceeding the acceptance standards of IWB-3522 was noted during the conduct of these tests.

One Hundred (100) percent of the in-service tubing in both OTSG's was eddy current examined during the 15<sup>th</sup> Refueling Outage. Steam Generator Tubes which required removal from service exhibited similar indications that have been reported in previous eddy current inspections. Similar degradation has also been observed at other B&W design Steam Generators. In the 15<sup>th</sup> Refueling Outage, 46 tubes in Steam Generator 1-2 and 35 tubes in OTSG 1-1 were removed from service.

All repairs/replacements performed at Davis Besse are controlled via Davis-Besse's Work Order system. Copies of Davis-Besse's Repair/Replacement NIS-2 forms for ASME Class 1 and 2 repairs/replacements are included in this report. All other records including testing and examination records are available in the FirstEnergy Enterprise Records Management System.

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

# FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

# 1. Owner FIRSTENERGY NUCLEAR GENERATION CORPORATION, 76 S. MAIN ST., AKRON, OHIO 44308

(Name and Address of Owner)

## 2. Plant DAVIS BESSE NUCLEAR POWER STATION, OAK HARBOR, OHIO 43449

(Name and Address of Plant)

3. Unit \_ #1\_

4. Owner Certificate of Authorization (if required) \_\_\_\_\_\_

5. Commercial Service Date July 31, 1978

6. National Board Number for Unit N/A

7. Components Inspected

### **CLASS 1 STEAM GENERATOR TUBING**

Component or Appurtenance	Manufacturer or Installer	Manufacturer Or Installer Serial No.	State or Providence No.	National Board No.
OTSG 1-1	BABCOCK & WILCOX	620-0014-055-12- Unit #2	N/A	N-159
OTSG 1-2	BABCOCK & WILCOX	620-0014-055-11- Unit #1	N/A	N-158
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in, x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets recorded at the top of this form.

## FORM NIS-1 (back)

#### 8. Examination Dates January 2008

9. Inspection Interval from September 21, 2000 to September 20, 2012

10. Applicable Editions of Section XI 1995 Addenda Through 1996

11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

### SEE ATTACHED

12. Abstract of Conditions Noted.

#### SEE ATTACHED

13. Abstract of Corrective Measures Recommended and Taken

### SEE ATTACHED

Certificate of Authorization No. (if applicable) N/A

Expiration Date N/A

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Signed FIRST ENERGY NUCLEAR Date 4 -12-28 **OPERATING COMPANY** 

Robert J. Najuch

## **CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>OHIO</u> and employed by <u>Hartford Steam Boiler Inspection & Insurance Co.</u> of <u>Harford, Connecticut</u> have inspected the components described in this Owners' Data Report during the period of January 2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Date Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Commissions

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

## STEAM GENERATOR EDDY CURRENT EXAMINATION RESULTS

The ASME Class 1 tubing in the Once-Through Steam Generators (OTSG's) at the Davis-Besse Nuclear Power Station Unit #1 was examined in January, 2008, during the 15th Refueling Outage (15RFO). The examinations were conducted by AREVA (formerly known as Framatome) to meet the requirements of the Davis-Besse Unit #1 Technical Specifications as required by Examination Category B-Q. All examinations met the requirements of techniques qualified in accordance with the PWR Steam Generator Examination Guidelines. No ASME Code Cases are applicable to the examination of Steam Generator Tubing.

The eddy current examinations were performed utilizing the Bobbin Coil probe and Rotating Plus Point probe. The bobbin coil technique was used to perform the standard ASME Code examination for flaw detection.

Table 1 summarizes the number and extent of tubes inspected in each steam generator during 15RFO.

The Exam was similar in scope to the previous 14RFO OTSG inspection. The findings of the 15RFO inspection matched the post 14RFO Operational Assessment predicted behavior of the OTSGs since the number and size of flaws were similar to those predicted to be observed during 15RFO. The inspection results are recorded in Condition Report 08-33469.

Roll transition cracking of three OTSG 2-A upper tubesheet rolls and two OTSG 1-B upper tubesheet rolls were observed. These indications were not large enough to leak at main steam line break accident conditions

Tubes A-117-108 and A-134-2 which had repair rolls previously installed were plugged due to significant changes in the original flaws that were located outside of the new pressure boundary that was established with repair roll. These outside pressure boundary indications were located above upper tubesheet repair rolls that were installed in a previous outage. These flaws are considered outside of the RCS pressure boundary and are located in tube ends. The indications had grown significantly in circumferential extent. To avoid the potential concern for leakage contribution for the large break LOCA accident conditions, these tubes were plugged. Davis Besse is licensed for repair roll joint slippage during accidents, but plugging these tubes makes the evaluation for large break LOCA leakage more easily managed in future outages.

Tube end cracking was also observed at the tube end weld heat affected zone where PWSCC of 44 upper tube sheet tube ends in OTSG 2-A and 14 upper tube ends in OTSG 1-B were observed. No lower tubesheet tube ends were observed with PWSCC in either OTSG. Most of these indications were axial, however one circumferential indication was observed in the upper tubesheet tube end of tube A-100-1. This indication was not large enough to be a challenge to the tubing integrity. This damage mechanism only contributes slightly to leakage since only three tube end cracks were large enough to leak, however these indications pose no threat to steam generator integrity since the leakage must also pass the mechanical roll in the tubesheet.

Eighteen repair rolls in OTSG 2-A and five repair rolls in OTSG had been found with the upper roll transition (heel transition) of the repair rolls containing axially oriented cracked. This was the first time a new repair roll had been observed to develop PWSCC, although such cracking was expected. None of these indications were large enough to result in predicted accident leakage. At the time of this inspection there were 117 repair rolls in service in OTSG 2-A and 23 in service in OTSG 1-B.

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Freespan Volumetric Degradation and Adjacent to Tube Support Plates (TSPs) was observed during 15RFO in the periphery just below the 15th TSP. There were 8 indications in OTSG 2-A and 10 indications in OTSG 1-B. These indications were small and not a challenge to tube integrity. The volumetric Inner Granular Attack (IGA) is likely due to the presence of sludge deposits slowly building below the drilled region of the 15th TSP.

One inside diameter volumetric indication was detected in the upper tubesheet repair roll transition of tube A-85-7. This indication was detected with plus point coil and was too small to be a concern for tubing structural integrity.

During 15RFO, OTSG 2-A had 582 wear indications and OTSG 1-B had 347 wear indications reported by bobbin probe. All of the wear indications measured less than 40% Through Wall (TW). The largest wear indication in OTSG 2-A was 28% TW and 22% TW in OTSG 1-B. The Davis-Besse wear depths were not structurally limiting and wear growth is essentially zero.

Axial Freespan ODSCC/IGA, (Outside Diameter Stress Corrosion Cracking/Inner Granular Attack) (Groove IGA), which was first discovered during 13RFO was observed during 15RFO. This damage typically forms in the upper regions of the periphery of the tube bundle in axial scratches on the tube surfaces that occurred while inserting tubes in the OTSGs when the OTSGs were manufactured. There were fifteen of these indications in ten tubes in OTSG 2-A and twenty-seven indications in seventeen tubes in OTSG 1-B. The observed flaws of this mechanism were not large enough to be a challenge to tube integrity.

Where double rolls were installed in the lower tubesheet of OTSG 1-B, heel cracking of the second roll was not observed during 15RFO however one lower tube sheet axial roll transition crack in the normal one inch roll in OTSG 1-B was observed in tube B-90-54. Lower tube sheet roll cracking was first identified during 14 Mid-Cycle Outage (MCO). During the 14MCO exam, the first plus point rotating coil eddy current inspection of the lower tube to tubesheet expansions were performed. During 14MCO it was discovered that in OTSG 1-B, most of the lower tubesheet joints contained two mechanical hard roll expansions anchoring the tube to the tubesheet. Normally there is only one tube expansion in the original fabricated tube to tubesheet joints containing two rolls to form the tube to tubesheet joints contain higher residual stresses than those joints containing only a single roll. Therefore cracking within tubing containing the two roll joints is more likely.

Tube B-65-52 contained some observable plastic deformation below the upper tubesheet roll expansion. This deformation was believed to be the result of a robot anchor pin applying excessive load to this tube end while installing tubing sleeves in 1993. Additionally, tube B-87-60 also had plastic deformation of the tube wall with some volumetric extent to the indication approximately 0.6 inches from the lower tube end from a robot anchor pin from work performed in 2006. To avoid the potential for PWSCC formation in this area of plastic deformation in the future, these tubes were plugged. The current robot anchor pin was redesigned since 1993 to reduce the potential for plastically deforming tubing; however this issue will continue to be monitored for recurrence in the future. No other tubes displayed similar deformation.

Tube A-143-12 had a foreign material impact penetration in the interior of the tube wall approximately 0.7 inches from the upper tube end. This impact was in the tube to tubesheet mechanical roll and did not challenge the tubing integrity.

Based on eddy current inspection results and analysis, no tubing defects were large enough to meet the In-Situ pressure testing screening criteria threshold as defined in the Davis-Besse 15RFO In-Situ Selection

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document. Testing is required for large flaws to demonstrate that there was a margin of safety to provide assurance of their structural integrity.

There were 39 tubes that were reworked and saved for service with the repair roll process in OTSG 2-A and 13 tubes that were saved for use by repair rolls in OTSG 1-B.

There were 46 newly plugged tubes in OTSG 2-A and 35 newly plugged tubes in OTSG 1-B that were plugged as a direct result of the eddy current inspection findings.

The 15RFO rework actions bring the cumulative plugging to 625 (4.0%) tubes plugged in the 2-A Steam Generator, and 279 (1.8%) plugged tubes in the B Steam Generator. There are 15,457 originally supplied tubes in each OTSG. No plugging limit was exceeded.

The 15RFO rework actions brought the cumulative in service repair rolls to 131 in OTSG 2-A and 31 in OTSG 1-B

Davis Besse 15RFO Eddy Current Exam Scope	OTSG 2-A	OTSG 1-B
Inspection of all newly installed repair rolls.	39	13
Periphery AFW Header to tube gap analysis to determine if the header is moving.	382	411
Full length bobbin examination of all in-service non-sleeved tubing.	14878	15213
Full length bobbin examination of 100% sleeves.	199	212
Plus Point probe exam of the sleeve at the point of entry (USE) and parent tube pressure boundary portion extending approximately 6 inches past the sleeve end (LSE) of 100% of the sleeves (the parent tube between the bottom of the upper most sleeve roll and the t	199	212
Plus Point probe inspection of non-sleeved in-service upper tube roll expansions (100%) including non stress relieved upper repair roll expansions and factory re-rolls.	14679	15001
Plus Point probe coil examination of 29% of the non-sleeved in- service tubes in the upper tube sheet region from tube end including tube end, upper roll expansion and crevice to upper tube sheet exit.	4257	4351
Plus Point probe inspection of 25% of the in-service stress relieved lower tube roll expansions and tube ends in OTSG 2-A.	3721	0
Plus Point probe inspection of in-service stress relieved lower tube roll expansions and tube ends in OTSG 1-B 100%.	0	15213
Plus Point probe coil examination of the tubes bordering the sleeve region.	91	81
Plus Point probe coil examination of all of the flaw-like indications (I codes, new dents, new Manufacturing Burnish Marks (MBMs) and wear per the DA) reported from bobbin.	537	506

 Table 1: Number and Extent of Steam Generator Tubes Inspected During 15RFO:

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15 RFO Inservice Inspection Summary

Davis Besse 15RFO Eddy Current Exam Scope	OTSG 2-A	OTSG 1-B
Plus Point probe coil examination of all Non Quantifiable Signals (NQSs) and MBM indications above 14S.	62	86
Plus Point probe coil examination of all Non Quantifiable Signals (NQSs) and MBM indications above 10S -2" in outer 30 rows (expansion in OTSG 1-B only).	. 0	149
Plus Point probe coil examination of all dent indications below 14S (100% sample of all previously reported and new dents using a greater than or equal to 2.5 volt bobbin threshold).	208	179
Plus Point probe coil examination of all dent indications greater than or equal to 1 volt between 14S and UTE in the non-periphery region.	316	416
Plus Point probe coil examination of all dent indications greater than or equal to 0.5 volts between 14S and UTE in the periphery region.	26	19
Plus Point probe coil sample inspection of lower tubesheet sludge pile region tubes from LTS –3.00" to LTS +3.00 or to top of sludge pile to encompass the sludge depth.	1192	1294
Sleeve Bobbin and Plus Point probe coil inspection of all previously identified gross mean distortions (GMD) (39 tubes OTSG 1-B - one new GMD was reported during 15RFO).	0	40
Plus Point probe coil inspection of all previously identified and new magnetic stain (MAG) indications (23 tubes OTSG 1-B)	0	23
Plus Point probe inspection of 50% of the Hot Leg rolled Plugs.	280	117
Visual Welded Plug Exam (VT-1) (100%)	33	19
Visual Plug exams of all Plugs in Upper and Lower (100%)	1158	488
Total Exams	42257	54043

## FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

# 1. Owner FIRSTENERGY NUCLEAR GENERATION CORPORATION, 76 S. MAIN ST., AKRON, OHIO 44308

(Name and Address of Owner)

#### 2. Plant DAVIS BESSE NUCLEAR POWER STATION, OAK HARBOR, OHIO 43449

(Name and Address of Plant)

3. Unit <u>#1</u> 4. Owner Certificate of Authorization (if required) <u>N/A</u>

5. Commercial Service Date July 31, 1978

7. Components Inspected

6. National Board Number for Unit \_\_\_\_\_\_\_\_

### NDE EXAMINATIONS

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Providence No.	National Board No.
REACTOR VESSEL CLOSURE HEAD	BABCOCK & WILCOX	C24-2013-52-1	N/A	N-152
OTSG 1-2	BABCOCK & WILCOX	620-0014-55-11- Unit #1	N/A	N-158
PRESSURIZER	BABCOCK & WILCOX	620-0014-59	N/A	N-157
CLASS 1 PIPING	BABCOCK & WILCOX	VARIOUS	N/A	N/A
CLASS 2 PIPING	ITT GRINNELL	VARIOUS	N/A	N/A
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets recorded at the top of this form.

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

#### FORM NIS-1 (back)

8. Examination Dates May 2006 to February 2008

9. Inspection Interval from September 21, 2000 to September 20, 2012

10. Applicable Editions of Section XI <u>1995</u> Addenda <u>Through 1996</u>

11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

#### SEE ATTACHED

12. Abstract of Conditions Noted.

#### SEE ATTACHED

13. Abstract of Corrective Measures Recommended and Taken

#### SEE ATTACHED

Certificate of Authorization No. (if applicable) N/A

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 4.10.00 Signed FIRST ENERGY NUCLEAR **OPERATING COMPANY** 

By C. JAC- In R. Najuel Robert J. Najuch

Expiration Date N/A

**CERTIFICATE OF INSERVICE INSPECTION** 

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>OHIO</u> and employed by <u>Hartford Steam Boiler Inspection & Insurance Co.</u> of <u>Harford, Connecticut</u> have inspected the components described in this Owners' Data Report during the period <u>MAY</u> <u>2006</u> to <u>FEBRUARY 2008</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Date Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date	A15/08	
ł	Thorney & for Commissions	NR9330 NTA OHIO
	Inspector's Signature	National Board, State, Province and No.

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15 RFO Inservice Inspection Summary

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

## NONDESTRUCTIVE EXAMINATIONS

Nondestructive Examinations were completed by AREVA, FENOC and Structural Integrity Associates personnel from since the end of 14R (April 27, 2006) through the completion of 15R (February 14, 2008) at the Davis Besse Nuclear Power Station. These examinations were completed during the second period of the Third Ten Year Inservice Inspection Interval which commenced on June 1, 2006 and is scheduled to end on May 20, 2009. Inspections were performed to meet the requirements of ASME Section XI, 1995 Edition through the 1996 Addenda.

The number and percentage of ASME Class 1 and 2 and Containment examinations completed are outlined below.

# Davis-Besse Nuclear Plant Completion Code Compliance Summary - 3rd Interval - 2nd Period ISI - Code Edition - 1995 Edition/1996 Addenda

			Period 2						
Cat.	Item No.	Description	Total Required	Total Sched	Total Comp	Sched	Comp.	Cumm	% Comp. to Date
B-A	B1.11	Reactor Vessel Circumferential Shell Welds	3	3	0	0	0	0%	0%
B-A	B1.21	Reactor Vessel Circumferential Head Welds	1	1	0	0	0	0%	0%
B-A	B1.30	Reactor Vessel Shell-to- Flange Weld	1	1	0	о	0	0%	0%
B-A	B1.40	Reactor Vessel Head-to- Flange Weld	1	1	, <b>0</b>	0	0	0%	0%
B-A Total		Pressure Retaining Welds in Reactor Vessel	6	_6	0	o	0	0%	0%
B-B	B2.11	Pressurizer Shell-to-Head Welds Circumfrential	2	1	1	0	1	50%	50%
B-B	B2.12	Pressurizer Shell-to-Head Welds Longitudinal	2	1	1	0	1	50%	50%
B-B	B2.31	Steam Generators (Primary Side) Head Welds Circumferential	1	0	1	0	0	0%	100%
B-B	B2.40	Steam Generators (Primary Side) Tubesheet-to-Head Weld	2	1	1	0	0	0%	50%
B-B Total		Pressure Retaining Welds in Vessels Other Than Reactor Vessels	7	3	4	0	2,	29%	58%
B-D	B3.100	Reactor Vessel Nozzle Inside Radius Section	8	8	0	0	0	0%	0%
B-D	B3.110	Pressurizer Nozzle-to-Vessel Welds	5	2	3	0	1	20%	60%
B-D	B3.120	Pressurizer Nozzle Inside Radius Section	5	3	2	0	0	0%	40%
B-D	B3.130	Steam Generators (Primary Side) Nozzle-to-Vessel Welds	6	2	4	0	1	17%	67%
B-D	B3.140	Steam Generators (Primary Side) Nozzle Inside Radius Section	6	2	4	0	1	17%	67%

# Davis-Besse Nuclear Plant Completion Code Compliance Summary - 3rd Interval - 2nd Period ISI - Code Edition - 1995 Edition/1996 Addenda

			' 					Period 2			
Cat.	Item No.	Description	Total Required	Total Sched	.Total Comp	Sched	Comp.	Cumm %	% Comp. to Date		
B-D	B3.90	Reactor Vessel Nozzle-to- Vessel Welds	8	8	0	0	0	0%	0%		
B-D Totai	·.	Full Penetration Welded Nozzles in Vessels - Inspection Program B	38	25	13	0	3	8%	35%		
B-F	B5.10	Reactor Vessel NPS 4 or Larger Nozzle-to-Safe End Butt Welds	2	2	0	0	0	0%	0%		
B-F Total		Pressure Retaining Dissimilar Metal Welds in Vessel Nozzles	2	2	0	0	0	0%	0%		
B-G-1	B6.10	Reactor Vessel Closure Head Nuts	60	24	36	0.	12	20%	60%		
<b>B-</b> G-1	B6.180	Pumps Bolts and Studs	16	<sup>°</sup> 8	8	0	0	0%	50%		
B-G-1	B6.200	Pumps Nuts, Bushings, and Washers	16	8	8	0	0	0%	50%		
B-G-1	B6.30	Reactor Vessel Closure Studs, when removed	60	24	36	0	12	20%	60%		
B-G-1	B6.40	Reactor Vessel Threads in Flange	1	1	0	0	0	0%	0%		
B-G-1	B6.50	Reactor Vessel Closure Washers, Bushings	62	24	38	0	12	20%	62%		
B-G-1	B6.60	Pressurizer Bolts and Studs	12	4	8	0	4.	34%	67%		
B-G-1	B6.80	Pressurizer Nuts, Bushings, and Washers	12	4	8	0	4	34%	67%		
B-G-1 Total		Pressure Retaining Bolting, Greater Than 2 in. In Diameter	239	97	142	0	44	19%	60%		
B-G-2	B7.30	Steam Generators Bolts, Studs, and Nuts	4	2	2	0	1	25%	50%		
B-G-2 Total		Pressure Retaining Bolting, 2 in. and Less In Diameter	4	2	2	0	1	25%	50%		
B-J	B9.11	Piping NPS 4 or Larger Circumferential Welds	34	22	14	0	3	9%	42%		
B-J	B9.21	Piping Less Than NPS 4 Circumferential Welds	42	18	24	0	11	27%	58%		
B-J	<b>B9.31</b>	Piping Branch Pipe Connection Welds NPS 4 or Larger Piping Branch Pipe	· 2	0	2	0	1	50%	100%		
B-J	B9.32	Connection Welds Less Than NPS 4	11	4	7	0	.3	28%	64%		
B-J	B9.40	Piping Socket Welds	11	4	7	0	3	28%	64%		
B-J	B9.50	Full Structural Weld Overlays	10	10	0	0	0	0%	0%		
B-J Total		Pressure Retaining Welds in Piping	110	58	54	0	21	20%	50%		
B-K	B10.10	Pressure Vessels Welded Attachments	2	2	0	0	0	0%	. 0%		

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

# Davis-Besse Nuclear Plant Completion Code Compliance Summary - 3rd Interval - 2nd Period ISI - Code Edition - 1995 Edition/1996 Addenda

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Cat.	Item No.	Description	Total Required	Total Sched	Total Comp	Sched	Comp.	Cumm %	% Comp. to Date
<u>в-к</u>	B10.20	Piping Welded Attachments	3	1	3	0	2	67%	100%
B-K Total		Welded Attachments For Vessels, Piping, Pumps, and Valves	5	3	3	Ö	2	40%	60%
B-L-1	B12.10	Pumps Pump Casing Welds (B-L-1)	4	4	0	0	0	0%	0%
B-L-1 Total		Pressure Retaining Welds In Pump Casings	4	4	0	0	0	0%	0%
B-N-1	B13.10	Reactor Vessel Vessel Interior (B-N-1)	3	1	2	0.	1	34%	67%
B-N-1 Total		Interior of Reactor Vessel	3	1	2	0	1	34%	67%
B-N-2	B13.60	Reactor Vessel(PWR) Interior Attachments Beyond Beltline Region (B-N-2)	12	12	0	0	0	0%	0%
B-N-2 Total		Welded Core Support Structures and Interior Attachments To Reactor Vessels	12	12	0	0	0	0%	0%
B-N-3	B13.70	Reactor Vessel (PWR) Core Support Structure (B-N-3)	1	1	0	0	0	0%	0%
B-N-3 Total		Removable Core Support Structures	1	1	0	0	0	0%	0%
B-O	B14.10	Reactor Vessel Welds in CRD Housing	16	11	5	0	1	7%	32%
B-O Total		Pressure Retaining Welds In Control Rod Housings	16	11	5	Ó	1	7%	32%
C-A	C1.10	Pressure Vessels Shell Circumferential Welds	5	4	1	0	1	20%	20%
C-A	C1.20	Pressure Vessels Head Circumferential Welds	1	0	1	0	1	100%	100%
C-A	C1.30	Pressure Vessels Tubesheet-to-Shell Welds	2	1	1	0	0	0%	50%
C-A Total		Pressure Retaining Welds In Pressure Vessels	8	5	3	0	2	25%	38%
C-B	C2.21	Nozzles Without Reinforcing Plate in Vessels > 1/2in. Nominal Thickness - Nozzle to Shell Weld	4	1	3	0	2	50%	75%
С <mark>-В</mark>	C2.22	Nozzles Without Reinforcing Plate in Vessels > 1/2 in. Nominal Thickness Nozzle Inside Radius Section	2	1`	1	0	1	50%	50%
C-B	C2.31	Nozzles With Reinforcing Plate in Vessels > 1/2in. Nominal Thickness Reinforcing Plate Welds to Nozzle and Vessel	4	2	2	0	1	25%	50%

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# Davis-Besse Nuclear Plant Completion Code Compliance Summary - 3rd Interval - 2nd Period ISI - Code Edition - 1995 Edition/1996 Addenda

		Description					Period 2		1
Cat.	Cat. Item No.		Total Required	Total Sched	Total Comp	Sched	Comp.	Cumm %	% Comp. to Date
C-B	C2.33	Nozzles With Reinforcing Plate in Vessels > 1/2in. Nominal Thickness Nozzle- to-Shell (or Head) Welds When Inside of Vessel Is Inaccesible	6	2	4	0	2	34%	67%
C-B Total		Pressure Retaining Nozzle Welds In Vessels	16	6	10	0	6	38%	63%
C-C	C3.10	Pressure Vessels Integrally Welded Attachments	1	0	1	0	0	0%	100%
C-C	C3.20	Piping Welded Attachments	- 28	. 12	16	0	6	22%	58%
C-C	C3.30	Pumps Integrally Welded Attachments	3	1	2	0	2	67%	67%
C-C Total	÷	Welded Attachments For Vessels, Piping, Pumps, and Valves	32	13	19	0	8	25%	60%
C-D	C4.30	Pumps Bolts and Studs	12	12	0	4	0	0%	0%
C-D Total		Pressure Retaining Bolting, Greater Than 2 in. In Diameter Divise Wolds 2/2 2/8in	12	12	0	4	0	0%	0%
C-F-1	C5.11	Piping Welds >/= 3/8in. Nominal Wall Thickness for Piping > NPS 4 Circumferential Weld	4	2	2	0	1	25%	50%
C-F-1	C5.11A	Piping Welds < 3/8 in. & > 1/5 in. Nominal Wall Thickness for Piping > NPS 4 Circumferential Weld	28	12	16	0	6	22%	58%
C-F-1	, С5.11В	Piping Welds <= 1/5 in. Nominal Wall Thickness for Piping > NPS 4 Circumferential Weld	13	5	. 8	0	3	24%	62%
C-F-1	C5.21	Piping Welds >1/5in. Nominal Wall Thickness for Piping >/⋍ NPS2 and ⋍<br NPS4 Circumferential Weld	23	12	12	0	3	14%	53%
C-F-1	C5.21A	Piping Welds <1/5in. Nominal Wall Thickness for Piping >/= NPS2 and =<br NPS4 Circumferential Weld	13	5	8	0	2	16%	62%
C-F-1	C5.30	Socket Welds	8	4	. 4	0	2	25%	50%
C-F-1	C5.41	Pipe Branch Connections of Branch Piping>/= NPS 2 Circumferential Weld	2	1	1	0	1	50%	50%
C-F-1 Total		Pressure Retaining Welds In Austenitic Stainless Steel or High Alloy Piping	91	41	51	0	18	20%	57%
C-F-2	C5.51	Piping Welds >/= 3/8in. Nominal Wall Thickness for Piping > NPS 4 Circumferential Weld(1)	20	8	12	о	4	20%	60%

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

# Davis-Besse Nuclear Plant Completion Code Compliance Summary - 3rd Interval - 2nd Period ISI - Code Edition - 1995 Edition/1996 Addenda

		Description				·	Period 2	·		
Cat.	Item No.		Total Required	Total Sched	Total Comp	Sched	Comp.	Cumm %	% Comp. to Date	
C-F-2	C5.51A	Piping Welds < 3/8 in. Nominal Wall Thickness for Piping > NPS 4 Circumferential Weld	10	4	6	0	2	20%	60%	
C-F-2	C5.81	Pipe Branch Connections of Branch Piping >/= NPS 2 Circumferential Weld	2	1	1	0	0	0%	50%	
C-F-2 Total		Pressure Retaining Welds In Carbon or Low Alloy Steel Piping	32	13	19	0	6	19%	60%	
C-G	C6.10	Pumps Pump Casing Welds	3	1	2	0	2	67%	67%	
C-G	C6.20	Valves Valve Body Welds	4	2	2	0	0	0%	50%	
C-G Total		Pressure Retaining Welds in Pumps and Valves	7	3	4	0	2	29%	58%	
E-A	E1.11	Accessible Surface Areas	2	0	2	0	1	50%	100%	
E-A	E1.12	Accessible Surface Areas	1	1	0	0	0	0%	0%	
E-A Total		Containment Surfaces	3	1	2	0	1	34%	67%	
E-C	E4.12	Required Augmented Examination, Surface Area Grid, Minimum Wall Thickness Location	2	1	1	0	0	0%	50%	
E-C Total		Containment Surfaces Requiring Augmented Examination	2	1	1	0	0	0%	50%	
E-D	E5.30	Moisture Barriers	2	2	0	0	0	0%	0%	
E-D Total		Seals, Gaskets, And Moisture Barriers	2	2	0	0	0	0%	0%	
E-G	E8.10	Bolted Connections	57	25	32	0	10	18%	57%	
E-G Total		Pressure Retaining Bolting	57	25	32	0	10	18%	57%	
F-A	F1.10	Class 1 Piping Supports	27	12	15	0	5	19%	56%	
F-A	F1.20	Class 2 Piping Supports	82	33	49	0	16	20%	60%	
F-A	F1.40	Supports other than Piping Supports(Class 1,2,and MC)	21	10	11.	0	5	24%	53%	
F-A Total		Supports	130	55	75	0	26	20%	58%	
Grand Total			839	402	441	4	154	19%	53%	

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

## ASME Class 1 and 2 Examinations:

The specific Class 1 and 2 Examinations completed during Cycle 15 and the 15<sup>th</sup> Refueling Outage are identified on the attached table. Conditions requiring evaluation are noted in the referenced Condition Reports.

	DAVIS-BESS	E NUCLEAR PC Class 1 Exam			IIT #1	
		15th Refueling				
Work Scope	Summary Number Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
Examina	tion Category B-A, Pressure Retaining Welds in	Reactor Vessel				
ISI			1/15/2008	N/A	Accept	Coverage < 90%. Relief Request RR-A2 is applicable.
ISI	B01.040.052400 RC-RPV-WH-7	15-UT-053	1/17/2008	N/A	Accept	Coverage < 90%. Relief Request RR-A2 is applicable.
Examina	tion Category B-B, Pressure Retaining Welds in	Vessels Other Than R	eactor Vesse	ls		
ISI	B02.011.827400 RC-PZR-WP-76	15-UT-056	1/4/2008	N/A	Accept	
ISI		15-UT-037	1/3/2008	N/A	Accept	
Examina	tion Category B-D, Full Penetration Welded Noz	zles in Vessels - Inspe	ction Program	n B		
ISI	B03.110.000900 RC-PZR-WP-33-Z/W	15-UT-027	1/5/2008	N/A	Accept	Coverage < 90%. Relief Request RR-A5 is applicable.
ISI	B03.130.219100 RC-SG-1-2-WG-50-Z/W	15-UT-016	1/2/2008	N/A	Accept	Coverage < 90%. Relief Request RR-A5 is applicable.
ISI	B03.140.219400 RC-SG-1-2-WG-50-Z/W-IR	15-VT-178	1/19/2008	N/A	Accept	
Examina	tion Category B-G-1, Pressure Retaining Bolting	g, Greater Than 2 in. In	Diameter			······································
ISI	B06.010.094600 RC-RPV-NUT-025	15-VT-138	1/14/2008	N/A	Accept	and the second
ISI	B06.010.094700 RC-RPV-NUT-026	15-VT-139	1/15/2008	N/A	Accept	
ISI		15-VT-140	1/14/2008	N/A	Accept	A dia any dia dia mandritra dia mandri
ISI	B06.010.094900 RC-RPV-NUT-028	15-VT-143	1/14/2008	N/A	Accept	
ISI		15-VT-127	1/14/2008	N/A	Accept	Contraction of the second states of the
ISI	B06.010.095100 RC-RPV-NUT-030	15-VT-131	1/14/2008	N/A	Accept	
ISI	B06.010.095200 RC-RPV-NUT-031	15-VT-132	1/14/2008	N/A	Accept	
ISI	B06.010.095300 RC-RPV-NUT-032	15-VT-144	1/14/2008	N/A	Accept	
ISI	B06.010.095400 RC-RPV-NUT-033	15-VT-145	1/14/2008	N/A	Accept	
ISI ISI	B06.010.095500 RC-RPV-NUT-034	15-VT-146	1/14/2008	N/A	Accept	
ISI ISI	B06.010.095600 RC-RPV-NUT-035 B06.010.095700 RC-RPV-NUT-036	15-VT-147 15-VT-148	1/14/2008	N/A N/A	Accept	
1 101	DU0.010.093700 RC-REV-N01-030	10-11-140	1/14/2000	IN/A	Accept	

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		DAVIS-BESSE	<b>NUCLEAR PO</b>	WER STA	TION UN	NIT #1	
			<b>Class 1 Exam</b>	inations			in and the second second
			15th Refueling	Outage	· · · · · · · · · · · · · · · · · · ·		
		Country Party States and States and		, o 1890			
Work	Summary Number	Component ID	Examination	Exam Date	Condition	Final Status	Comments
Scope			Report		Report		
		State of the second second	Number		Number		reality in the Wellbridge Reference
1S1	B06.030.085100	RC-RPV-STUD-025	15-UT-042	1/14/2008	N/A	Accept	And
, ISI	B06.030.085300	RC-RPV-STUD-026	15-UT-041	1/14/2008	N/A	Accept	
ISI		RC-RPV-STUD-027	15-UT-040	1/14/2008	N/A	Accept	and the second
ISI		RC-RPV-STUD-028	15-UT-043	1/14/2008	<sup>~</sup> N/A	Accept	•
ISI		RC-RPV-STUD-029	15-UT-044	1/14/2008	N/A	Accept	
ISI		RC-RPV-STUD-030	15-UT-045	1/14/2008	N/A	Accept	
ISI		RC-RPV-STUD-031	15-UT-046	1/14/2008	N/A	Accept	
ISI		RC-RPV-STUD-032	15-UT-047	1/14/2008	N/A	Accept	
ISI		RC-RPV-STUD-033	15-UT-048	1/14/2008	N/A	Accept	and the second
ISI		RC-RPV-STUD-034	15-UT-049	1/14/2008	N/A	Accept	
ISI		RC-RPV-STUD-035	15-UT-050	1/14/2008	N/A	Accept	The second se
ISI		RC-RPV-STUD-036	15-UT-051	1/14/2008	N/A	Accept	
ISI		RC-RPV-WASHERS-025	15-VT-149	1/14/2008	N/A	Accept	1
ISI		RC-RPV-WASHERS-026	15-VT-150	1/14/2008	N/A	Accept	
ISI ISI		RC-RPV-WASHERS-027 RC-RPV-WASHERS-028	15-VT-151 15-VT-152	1/14/2008	N/A	Accept	
ISI		RC-RPV-WASHERS-028 RC-RPV-WASHERS-029	15-VT-152 15-VT-124	1/14/2008	N/A N/A	Accept	
ISI		RC-RPV-WASHERS-029 RC-RPV-WASHERS-030	15-VT-124	1/14/2008 1/14/2008	N/A N/A	Accept	and the state of the
ISI		RC-RPV-WASHERS-030	15-VT-125	1/14/2008	N/A	Accept Accept	
ISI		RC-RPV-WASHERS-031	15-VT-120	1/14/2008	N/A N/A	Accept	
ISI		RC-RPV-WASHERS-033	15-VT-155	1/14/2008	N/A	Accept	
ISI		RC-RPV-WASHERS-034	15-VT-154	1/14/2008	N/A	Accept	
ISI		RC=RPV-WASHERS-035	15-VT-156	1/14/2008	N/A	Accept	
ISI		RC-RPV-WASHERS-036	15-VT-157	1/14/2008	N/A	Accept	
ISI		RC-PZR-STUD-5	15-UT-035	1/15/2008	N/A	Accept	
ISI		RC-PZR-STUD-6	15-UT-032	1/15/2008	N/A	Accept	An Alexandro Color
ISI		RC-PZR-STUD-7	15-UT-033	1/15/2008	N/A	Accept	
ISI		RC-PZR-STUD-8	15-UT-034	1/15/2008	N/A	Accept	
ISI		RC-PZR-NUT-5	15-VT-088	1/2/2008	N/A	Accept	
ISI	B06.080.820000		15-VT-087	1/2/2008	N/A	Accept	
L. ISI	B06.080.820100	RC-PZR-NUT-7	15-VT-086	1/2/2008	N/A	Accept	

		DAVIS-BESSI	E NUCLEAR PO Class 1 Exam 15th Refueling	inations	TION UN	II <b>T #1</b>	
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments .
ISI	B06.080.820200	RC-PZR-NUT-8	15-VT-085	1/2/2008	N/A	Accept	
ISI	B07.030.216300	RC-SG-1-1-LPIO-BLTG	15-VT-049	1/3/2008	N/A	Accept	
			25Å	2			a and a second
ISI		CF-33B-CCA-6-6-SWA	15-UT-019	1/7/2008	N/A	Accept	
ISI		CF-33B-CCA-6-6-SWD	15-UT-028	1/12/2008	N/A	Accept	
ISI		RC-MK-A-67-2-FW88A	15-UT-013	1/2/2008	N/A	Accept	
ISI ISI		HP-33C-CCA-2-42-FW9 HP-33C-CCA-2-42-FW10A	15-PT-044 15-PT-045	1/9/2008 1/9/2008	N/A	Accept	<u></u>
ISI		RC-MK-B-56-1-FW10B	15-PT-045 15-PT-039	1/9/2008	N/A N/A	Accept Accept	an a a an an
ISI		MU-31-CCA-18-1-FW26	15-PT-047	1/14/2008	N/A N/A	Accept	
ISI		MU-31-CCA-18-1-SWP	15-PT-049	1/12/2008	N/A	Accept	
ISI		RC-30-CCA-8-1-FW10	15-PT-027	1/2/2008	N/A	Accept	
ISI		RC-MK-A-99-FW1	15-PT-041	1/9/2008	N/A	Accept	
ISI	B09.021.024500	RC-MK-A-135-SW20	15-PT-035	1/5/2008	N/A	Accept	
ISI	B09.021.025500	RC-MK-A-103-FW38	15-PT-037	1/5/2008	N/A	Accept	
ISI	B09.021.026000	RC-MK-A-93-SW51	15-PT-028	1/2/2008	N/A	Accept	
ISI		RC-MK-A-90-SW53	15-PT-030	1/2/2008	N/A	Accept	
ISI		RC-SK84-02-09-SW5	15-PT-029	1/2/2008	N/A	Accept	
ISI	B09.031.028000	RC-MK-A-33-1-DHA	15-UT-011	1/1/2008	N/A	Accept	Coverage < 90%. Relief
						1. Th	Request RR-A4 is applicable.
ISI		RC-MK-B-56-1-PS4	15-PT-043	1/9/2008	N/A	Accept	
ISI		RC-MK-B-56-1-MB4	15-PT-042	1/9/2008	N/A	Accept	
ISI		RC-MK-A-24-2-PTB2	15-PT-034	1/3/2008	N/A	Accept	
ISI		RC-FSK-M-CCA-7-1-FW33	15-PT-048	1/14/2008	N/A	Accept	
· ISI		RC-FSK-M-CCA-7-1-FW15	15-PT-046	1/14/2008	N/A	Accept	
ISI PSI		RC-FSK-M-CCA-7-1-FW41 RC-PZR-WP-102 OVERLAY	15-PT-036 15-VENDOR-	1/5/2008	N/A N/A	Accept	
P5	B09.000.010243	RU-PZR-WP-IUZ UVERLAY	15-VENDOR- 051	1/20/2008	N/A	Accept	
PSI	B09.050.010244	RC-PZR-WP-23 OVERLAY	15-VENDOR-	1/10/2008	N/A	Accept -	

	n an an Anna an Anna Anna An Anna Anna A		JCLEAR PO ass 1 Exam th Refueling	inations	ATION UN	I <b>IT #1</b>	
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
PSI	B09.050.010245	RC-PZR-WP-91-W/X OVERLAY	057 15-VENDOR- 052	1/16/2008	N/A	Accept	ndik, <sup>diger</sup> adi, <sup>sul</sup> tend <sup>e</sup> , su <sup>st</sup> eranik, su
PSI	B09.050.010246	RC-PZR-WP-91-Y/Z OVERLAY	15-VENDOR- 053	1/16/2008	N/A	Accept	
PSI	B09.050.010247	RC-PZR-WP-91-Z/W OVERLAY	15-VENDOR- 055	<sup>-</sup> 1/18/2008	N/A	Accept	
PSI	B09.050.010248	DH-33A-CCA-4-1-FW1 OVERLAY	15-VENDOR- 050	1/22/2008	N/A	Accept	
PSI	B09.050.010249	RC-MK-A-82-FW54 OVERLAY	15-VENDOR- 056	1/10/2008	N/A	Accept	
PSI	B09.050.010250	RC-MK-A-90-FW56 OVERLAY	15-VENDOR- 054	1/20/2008	N/A	Accept	
PSI	B09.050.010251	RC-30-CCA-8-1-FW10 OVERLAY	15-VENDOR- 058	1/18/2008	N/A	Accept	
Examina	tion Category B-K, V	Velded Attachments for Vessels, F	liping, Pumps, a	nd Valves		na an a	and the second
ISI		RC-MK-A-135-PS-H29-AW	15-PT-033	1/5/2008	N/A	Accept	
10.		CF-33B-CCA-6-H7-AW	15-PT-051	1/16/2008	N/A	Accept	
ISI		Interior of Reactor Vessel RC-RPV-INTERIOR	15-VT-108	1/10/2008	N/A	Accept	
		ressure Retaining Welds in Control			IN/PA	Accept	
ISI		RC-RPV-CRD-WH-9-B53-54	15-PT-050	1/17/2008	N/A	Accept	t and any transferration

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		DAVIS-BESSE	NUCLEAR PO Class 2 Exam 15th Refueling	inations	ATION UN	NIT #1	
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
Examina	tion Category C-A. F	Pressure Retaining Welds in P			Mumber		Westing all the second states of second states
ISI	C01.010.220500	SP-SG-1-2-WG-8-3	15-UT-052	1/17/2008	N/A	Accept	
ISI	C01.020.265300		15-UT-007	12/20/2007	N/A	Accept	Mile (1948) Anno an Anno 1948
Examina		Pressure Retaining Nozzle We				r	
ISI		SP-SG-1-2-WG-23-X/Y		1/11/2008	N/A	Accept	
ISI	C02.021.220900	SP-SG-1-2-WG-23-X/Y	15-UT-029	1/11/2008	N/A	Accept	
ISI	C02.021.790700	SP-SG-1-2-MK-300 TO MK-1	15-MT-007	1/9/2008	N/A	Accept	and the second second second second second
ISI	C02.021.790700	SP-SG-1-2-MK-300 TO MK-1	15-UT-026	1/11/2008	N/A	Accept	
ISI	C02.022.221100	SP-SG-1-2-WG-23-X/Y-IR	15-UT-038	1/15/2008	N/A	Accept	have a state state of the state
ISI	C02.031.266100	DH-COOLER-1-1-WELD I	15-PT-003	12/19/2007	N/A	Accept	
Examinat	tion Category C-C, V	<b>Nelded Attachments For Vess</b>	els, Piping, Pumps, a	and Valves			
ISI	C03.020.110900	DH-33A-HCB-2-H15-AW	15-PT-019	12/19/2007	N/A	Accept	
ISI		HP-33C-CCB-2-H5-AW		12/20/2007	N/A	Accept	
ISI	C03.020.289400	DH-33A-HCB-2-H34-AW	15-PT-009	12/18/2007	N/A	Accept	
ISI	C03.020.312100	MS-3A-EBB-1-28-SR19-AW	15-MT-004	1/7/2008	N/A	Accept	
ISI	C03.020.337400	MS-3A-EBB-2-H14-AW	. ·15-MT-005	1/7/2008	N/A	Accept	-
ISI	C03.020.367800	DH-33B-GCB-1-H19-AW	15-PT-010	12/18/2007	N/A	Accept	
ISI	C03.030.268100	HP-PUMP-1-1-WELD E	15-PT-006	12/18/2007	N/A	Accept	
ISI	C03.030.268400	HP-PUMP-1-1-WELD H		12/18/2007	N/A	Accept	12
		Pressure Retaining Welds in					
ISI	C05.011.235200	DH-33B-CCB-6-5-SWA	15-PT-038	1/10/2008	N/A	Accept	
ISI	C05.011.235200	DH-33B-CCB-6-5-SWA	15-UT-021	1/10/2008	N/A	Accept	
ISI	C05.11A.144100	DH-33A-GCB-8-3-SWC	15-PT-013	12/18/2007	N/A	Accept	
ISI	C05.11A.144100	DH-33A-GCB-8-3-SWC	15-UT-009	12/18/2007	N/A	Accept	
- ISI	C05.11A.193700	DH-33B-GCB-10-11-SWC	15-PT-021	12/19/2007	N/A	Accept	
ISI	C05.11A.193700	DH-33B-GCB-10-11-SWC	15-UT-005	12/19/2007	N/A	Accept	۲
ISI	C05.11A.201100	DH-33B-GCB-10-12-FW51G		12/19/2007	N/A	Accept	and the second
ISI	C05.11A.201100	DH-33B-GCB-10-12-FW51G	15-UT-010	12/21/2007	N/A	Accept	
ISI	C05.11A.208700	DH-33B-GCB-10-19-SWH	15-PT-026	12/31/2007	N/A	Accept	Kilon - Contra All - All
ISI	C05.11A.208700	DH-33B-GCB-10-19-SWH	15-UT-015	1/4/2008	N/A	Accept	
ISI	C05.11A.262900	CS-34-GCB-5-16-SWA	15-PT-022	12/18/2007	N/A	Accept	

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Work         Summary Number         Component /D         Examination         Exam         Condition         Final Status           Scope         Report         Date         Report         Number         NIA         Accept         Accept         ISI         C05.11A.673300         CS-34-GCB-5-16-SWA         15-UT-001         12/18/2007         N/A         Accept         Accept         ISI         C05.11A.673300         CS-34-GCB-5-18-FW11A         15-PT-020         12/18/2007         N/A         Accept         ISI         C05.11A.673300         CS-34-GCB-5-18-FW11A         15-UT-008         12/18/2007         N/A         Accept         ISI         C05.11A.673300         CS-34-GCB-5-18-FW11A         15-UT-008         12/18/2007         N/A         Accept         ISI         C05.11A.673300         CS-34-GCB-5-18-FW11A         15-UT-008         12/18/2007         N/A         Accept         ISI         ISI         C05.11A.673300         CS-34-GCB-5-18-FW11A         15-UT-008         12/18/2007         N/A         Accept         ISI         ISI	Comments
ISI C05.11A.262900 CS-34-GCB-5-16-SWA 15-UT-001 12/18/2007 N/A Accept ISI C05.11A.673300 CS-34-GCB-5-18-FW11A 15-PT-020 12/18/2007 N/A Accept	
ISI C05.11A.673300 CS-34-GCB-5-18-FW11A 15-UT-008 12/18/2007 N/A Accept	
ISI C05.11B.117100 DH-33A-HCB-2-19-FW11 15-PT-005 12/19/2007 N/A Accept	
ISI C05.11B.132200 HP-33A-GCB-4-6-SWE 15-PT-052 12/20/2007 N/A Accept	
ISI C05.11B.183200 DH-33B-GCB-1-6-SWD 15-PT-002 12/19/2007 N/A Accept	22
ISI C05.021.151300 HP-33C-CCB-2-12-SWC 15-PT-016 12/20/2007 N/A Accept	
ISI C05.021.151300 HP-33C-CCB-2-12-SWC 15-UT-002 12/20/2007, N/A Accept	
ISI C05.021.152100 HP-33C-CCB-2-15-SWE 15-PT-018 12/20/2007 N/A Accept	
ISI C05.021.152100 HP-33C-CCB-2-15-SWE 15-UT-003 12/20/2007 N/A Accept	
	Examination - No ke for the Examination
	ke for the Examination
ISI C05.021.166400 HP-33C-CCB-2-36-FW14 15-PT-023 12/18/2007 N/A Accept	
ISI C05.021.166400 HP-33C-CCB-2-36-FW14 15-UT-006 12/19/2007 N/A Accept	
ISI C05.21A.600900 HP-4-GCB-11-FW7 15-PT-014 12/19/2007 N/A Accept	
ISI C05.21A.932800 HP-33C-HCC-91-4-SWB 15-PT-008 12/18/2007 N/A Accept	
ISI C05.030.010026 HP-CCB-39-5-FW26 15-PT-001 12/18/2007 N/A Accept	
ISI C05.030.155800 HP-FSK-M-CCB-2-3-FW8 15-PT-012 12/19/2007 N/A Accept ISI C05.041.136400 DH-33A-HCB-2-17-SWD 15-PT-011 12/18/2007 N/A Accept	
Examination Category C-F-2, Pressure Retaining Welds in Carbon or Low Alloy Steel Piping ISI C05.051.297300 MS-3A-EBB-1-19-SWA 15-MT-002 1/7/2008 N/A Accept	
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	and the second second second
ISI         C05.051.339800         FW-7-EBB-3-1-FW29         15-UT-031         1/15/2008         N/A         Accept           ISI         C05.051.351000         AF-6C-EBB-4-4-FW6A         15-MT-009         1/9/2008         N/A         Accept	
ISI         C05.051.351000         AF-6C-EBB-4-4-FW6A         15-UT-025         1/10/2008         N/A         Accept           ISI         C05.051.358900         AF-ISIM2 206N-FW46         15-MT-006         1/9/2008         N/A         Accept	
ISI C05.051.358900 AF-ISIM2 200N-FW40 ISIM1-000 1/9/2008 N/A Accept	
ISI C05.51A.335100 MS-3A-EBB-2-13-SWA 15-MT-001 1/3/2008 N/A Accept	10.
ISI C05.51A.335100 MS-3A-EBB-2-13-SWA 15-UT-012 1/4/2008 N/A Accept	
ISI C05.51A.337600 MS-3A-EBB-2-2-SWC 15-MT-003 1/8/2008 N/A Accept	

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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		DAVIS-BESSI	E NUCLEAR POV Class 2 Exami 15th Refueling	nations	ATION UN	JT #1	
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
ISI	C05.51A.337600	MS-3A-EBB-2-2-SWC	15-UT-020	1/8/2008	N/A	Accept	
Examina	ation Category C-G, F	Pressure Retaining Welds in	Pumps and Valves				and the second
ISI	C06.010.267700	HP-PUMP-1-1-WELD A	15-PT-015	12/17/2007	N/A	Accept	
ISI	C06.010.267900	HP-PUMP-1-1-WELD C	15-PT-025	12/17/2007	N/A	Accept	

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			ICLEAR PC WE Examir th Refueling	ations	TION UN	IT #1	
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
ISI	E01.011.969400	containment Surfaces CV-INTERIOR-GENERAL-VT	15-VT-123	1/14/2008	08-33486	Accept	Peeling/ Flaking/ Chipped Paint - No Rust Noted
ISI ISI	E04.012.080200 E04.012.080200	containment Surfaces Requiring Au CV-INTERIOR-GAP CV-INTERIOR-GAP eals, Gaskets, and Moisture Barrie	15-UT-057 15-UT-058	inations 1/24/2008 1/24/2008	N/A N/A	Accept Accept	
ISI	E05.030.010004	CV-INTERIOR-MOISTURE BARRIER CV-EXTERIOR-MOISTURE	15-VT-122 15-VT-185	1/12/2008 1/22/2008	N/A N/A	Accept Accept	
<i>Examina</i> ISI		BARRIER ressure Retaining Bolting CV-EP-PBP1CI-FLANGE-	15-VT-075	1/4/2008	N/A	Accept	e av en anterior a sur a s
ISI		BOLTING CV-EP-PBP1DI-FLANGE- BOLTING CV-EP-PBL1EI-FLANGE-	15-VT-074 15-VT-073	1/4/2008	N/A N/A	Accept	
ISI		BOLTING CV-EP-P4L1GI-FLANGE- BOLTING	15-VT-073	1/4/2008	N/A	Accept Accept	
ISI		CV-EP-PAL3DI-FLANGE- BOLTING CV-EP-PAC3EI-FLANGE-	15-VT-071 15-VT-070	1/4/2008	N/A	Accept	
ISI ISI		BOLTING CV-EP-PAP3FI-FLANGE- BOLTING	15-VT-069	1/4/2008	N/A	Accept	
ISI ISI	E08.010.983800	CV-EP-P1C2LI-FLANGE-BOLTING CV-EP-P1P2MI-FLANGE- BOLTING	15-VT-068 15-VT-076	1/4/2008 1/4/2008	N/A N/A	Accept Accept	
ISI		CV-ESC-OUTER-DOOR-BOLTING	15-VT-161	1/16/2008	N/A	Accept	

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	DAVIS-BESSE NUCLEAR POWER STATION UNIT #1 Class 1 and 2 Support Examinations 15th Refueling Outage						
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
	ation Category F-A, Sup						
ISI			15-VT-109	1/4/2008	N/A	Accept	
PSI			14-VT-339		N/A	Accept	
ISI		C-MK-A-83-PSU-R2	15-VT-057	1/2/2008	N/A	Accept	
ISI		C-MK-A-135-PS-H29	15-VT-096	1/5/2008	N/A	Accept	
ISI			15-VT-186	1/22/2008	N/A	Accept	
PSI			15-VT-191	1/22/2008	N/A	Accept	
PSI			15-VT-199	1/22/2008	N/A	Accept	
PSI			15-VT-163	1/17/2008	N/A	Accept	
PSI			15-VT-190	1/14/2008	N/A	Accept	
PSI			15-VT-164	1/17/2008	N/A	Accept	
ISI			15-VT-130	1/12/2008	N/A	Accept	
PSI			15-VT-189	1/21/2008	N/A	Accept	
ISI			15-VT-038	12/17/2007	N/A	Accept	
ISI		H-33A-HCB-2-H15	15-VT-041	12/19/2007	N/A	Accept	
ISI			15-VT-031	12/20/2007	N/A	Accept	
PSI			15-VT-004	3/12/2007	N/A	Accept	AND A CARL REAL PROPERTY AND A CARL
PSI			15-VT-009	3/13/2007	N/A	Accept	
ISI			15-VT-034	12/20/2007	N/A	Accept	
PSI			: 14-VT-338	10/6/2006	N/A	Accept	
PSI		H-33B-GCB-1-H20	15-VT-006	3/20/2007	N/A	Accept	
ISI	F01.020.367900 D	H-33B-GCB-1-H19	15-VT-027	12/27/2007	N/A	Accept	Thread Engagement Hole not Visible
PSI	F01.020.368200 D	H-33B-GCB-1-H22	15-VT-007	3/21/2007	N/A	Accept	and a subliction of the states
ISI	and a second	H-33B-GCB-1-H34	15-VT-026	12/27/2007	N/A	Accept	
PSI		H-33B-GCB-10-H32	15-VT-008	3/22/2007	N/A	Accept	
PSI		H-33B-GCB-10-H13	15-VT-005	3/19/2007	N/A	Accept	
ISI		H-33B-CCB-6-H1	15-VT-050	12/20/2007	N/A	Accept	and the second
ISI			15-VT-040	12/17/2007	N/A	Accept	
PSI		IS-3A-EBB-1-8-SR9	15-VT-183	1/21/2008	N/A	Accept	
PSI	and a second	IS-3A-EBB-1-20-SR11	15-VT-002	1/19/2007	N/A	Accept	

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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			IUCLEAR PO and 2 Suppor 5th Refueling	rt Examin		IT #1	
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
PSI	F01.020.445500	MS-3A-EBB-1-17-SR9	15-VT-182	1/21/2008	N/A	Accept	and the second
ISI	F01.020.446400	MS-3A-EBB-1-28-SR19	15-VT-091	1/7/2008	N/A	Accept	
PSI	F01.020.446400	MS-3A-EBB-1-28-SR19	15-VT-001	1/11/2007	→N/A	Accept	
PSI	F01.020.446700	DH-33B-CCB-6-H12	15-VT-003	1/31/2007	N/A	Accept	
ISI	F01.020.448200	MS-3A-EBB-2-H14	15-VT-089	1/8/2008	N/A	Accept	and the participation of the ball of the
ISI	F01.020.454700	MS-3A-EBB-2-H20	15-VT-137	12/31/2007	N/A	Accept	~
ISI	F01.020.457900	AF-6C-EBB-4-H16	15-VT-051	1/2/2008	N/A	Accept	
PSI	F01.020.458700		15-VT-188	1/22/2008	N/A	Accept	
ISI		HP-33C-CCB-3-H2	15-VT-033	12/20/2007	N/A	Accept	
ISI	F01.020.602400		15-VT-030	12/20/2007	N/A	Accept	
ISI	F01.020.799000	SW-41-HBB-11-H1	15-VT-037	12/18/2007	N/A	Accept	
1S1		HP-33C-HCC-91-H2	15-VT-039	12/17/2007	N/A	Accept	
ISI		RC-RPV-Z/W AXIS SUPPORT	15-VT-048	1/2/2008	N/A	Accept	
ISI		RC-PZR-SUPPORTS	15-VT-056	1/2/2008	N/A	Accept	
PSI	nging www.companyaryov.companyaryophinikaaaaa caapanikki waxa aadaabiin	RC-RCP-1-1-1-SUPPORTS	15-VT-167	1/16/2008	N/A	Accept	an a
ISI	F01.040.540300	CS-PUMP-1-1-SUPPORTS	15-VT-025	12/18/2007	N/A	Accept	

The following Code Cases were used during the performance of Class 1 and Class 2 Nondestructive Examinations.

CODE CASE NO.	TITLE
N –307-3	Ultrasonic Examination of Class 1 Bolting, Table IWB- 2500-1, Examination Category B-G-1
N-460	Alternative Examination Coverage for Class 1 and Class 2 Welds
N-524	Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping
N-526	Alternative Requirements for Successive Inspections of Class 1 and 2 Vessels
N-583 (with limitations noted in NRC Regulatory Guide 1.147)	Annual Training Alternative
N-592	ASNT Central Certification Program
N-598	Alternative Requirements to Required Percentages of Examination.
N-619 (with limitations noted in NRC Regulatory Guide 1.147)	Alternative Requirements for Nozzle Inner Radius Inspections for Class 1 Pressurizer and Steam Generator Nozzles
N-623	Deferral of Inspections of Shell-to-Flange and Head-to- Flange Welds of a Reactor Vessel
N-624	Successive Inspections
N-638-1 (As amended by Relief Request RR-A31)	Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique

- CODE CASE NO.	
N-639 (with limitations noted in NRC Regulatory Guide 1.147)	Alternative Calibration Block Material
N-652	Alternative Requirements to Categories B-G-1, B-G-2, and C-D Bolting Examination Methods and Selection Criteria
N-658	Qualification Requirements for Ultrasonic Examination of Wrought Austenitic Piping Welds
N-663	Alternative Requirements for Classes 1 and 2 Surface Examinations
N-695	Qualification Requirements for Dissimilar Metal Piping Welds
N-740 (As amended by Relief Request RR-A30)	Dissimilar Metal Overlay for Repair of Class 1, 2, and 3 Items

## FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

# 1. Owner FIRSTENERGY NUCLEAR GENERATION CORPORATION, 76 S. MAIN ST., AKRON, OHIO 44308

(Name and Address of Owner)

### 2. Plant DAVIS-BESSE NUCLEAR POWER STATION, OAK HARBOR, OHIO 43449

(Name and Address of Plant)

3. Unit #1

4. Owner Certificate of Authorization (if required) N/A

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5. Commercial Service Date July 31, 1978

6. National Board Number for Unit N/A

7. Components Inspected

SYSTEM PRESSURE TESTS

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Providence No.	National Board No.	
CLASS 1 PIPING/COMP	BABCOCK & WILCOX	VARIOUS	N/A	N/A	
CLASS 2 PIPING/COMP	ITT GRINNELL	VARIOUS	N/A	N/A	
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	· · · · · · · · · · · · · · · · · · ·			<u> </u>	
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is  $8 \frac{1}{2}$  in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets recorded at the top of this form.

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

## FORM NIS-1 (back)

8. Examination Dates MAY 2006 to FEBRUARY 2008

#### 9. Inspection Interval from <u>SEPTEMBER 21, 2000</u> to <u>SEPTEMBER 20, 2012</u>

10. Applicable Editions of Section XI 1995 Addenda Through 1996

11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

SEE ATTACHED

12. Abstract of Conditions Noted.

#### SEE ATTACHED

13. Abstract of Corrective Measures Recommended and Taken SEE ATTACHED

Certificate of Authorization No. (if applicable) N/A

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 4.10.00

By

Robert J. Najuch

### **CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>OHIO</u> and employed by <u>Hartford Steam Boiler Inspection & Insurance Co.</u> of <u>Harford, Connecticut</u> have inspected the components described in this Owners' Data Report during the period <u>MAY</u> <u>2006</u> to <u>FEBRUARY 2008</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Date Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Commissions National Board, State, Province and No.

Expiration Date <u>N/A</u>

Signed FIRST ENERGY NUCLEAR OPERATING COMPANY

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15 RFO Inservice Inspection Summary

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

### SYSTEM PRESSURE TESTS

The following system leakage tests were completed by FENOC personnel on Class 1 and Class 2 systems from May 2006 to February 2008 during Cycle 15 and the 15<sup>th</sup> Refueling Outage for the Davis-Besse Nuclear Power Station Unit #1. These tests completed a portion of the required tests for the second period of the Third Ten Year Inservice Inspection Interval which commenced on June 1, 2006 and is scheduled to end on May 20, 2009. Inspections were performed to meet the requirements of ASME Section XI, 1995 Edition through the 1996 Addenda. These tests do not include those associated with repairs/replacements addressed in the Repair and Replacement Section of this report.

Code Case N-522, as endorsed in NRC Regulatory Guide 1.147 Revision 14, was utilized in the performance of those Class 2 tests associated containment penetrations that are part of the containment system but the balance of their piping system is outside the scope of Section XI.

Code Case N-533-1 with limitations as endorsed in NRC Regulatory Guide 1.147 Revision 14 was used for the examination of Class 1 insulated pressure-retaining bolted connections.

Code Case N-616 with limitations as endorsed in NRC Regulatory Guide 1.147 Revision 14 was used to determine Class 1 bolted connections which require insulation removal and inspection per Code Case N-533-1

Code Case N-566-2 as endorsed in NRC Regulatory Guide 1.147 Revisions 14 was used when bolting was not removed for visual examination when leakage was noted at bolted connections during system leakage tests.

Seven Class 1 Pressure Tests were completed. This represents all of the required Class 1 pressure tests for the Second Period of the Third Ten Year Inservice Inspection Interval.

Sixty-Six Class 2 Pressure Tests were completed. This represents 77% of the required Class 2 pressure tests for the Second Period of the Third Ten Year Inservice Inspection Interval.

No pressure boundary leakage was noted during the performance of these tests.

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DAVIS-BESSE NUCLEAR POWER STATION UNIT #1 Class 1 and 2 Pressure Tests 15th Refueling Outage							
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
Class 1	Pressure Tests			`			
ISI ISI ISI	B15.000.CF09 B15.000.CF10 B15.000.DH14	CF09 CF10 DH14	15-VT-223 15-VT-222 15-VT-225		N/A N/A N/A	Accept Accept Accept	e an that the second
ISI ISI	B15.000.DH15 B15.000.DH16	DH15 DH16	15-VT-213 15-VT-224	1/30/2008	08-34569 08-34566 N/A	Accept	Packing Leakage Noted
ISI ISI ISI	B15.000.RC01 B15.000.RC01	RC01 RC01	15-VT-210 15-VT-211	1/30/2008	08-34563 N/A		Leakage at Valve Manifold
ISI ISI	B15.000.RC01 B15.000.RC01	RC01 RC01	15-VT-212 15-VT-214	1/30/2008	08-34565 N/A		Pipe Cap Leakage
ISI	B15.000.RC01	RC01	15-VT-217	1/30/2008	08-34572 08-34569 08-34566		Packing Leakage Noted
ISI	B15.000.RC01	RC01	15-VT-218	1/30/2008	08-34597		Tail Pipe Leakage
ISI	B15.000.RC01	RC01	15-VT-220	1/30/2008	08-34613 08-34567 08-34562 08-34564	Accept	Packing Leakage and Tail Pipe Leakage Noted
ISI	B15.000.RC01	RC01	15-VT-221	1/30/2008	N/A	Accept	
ISI	B15.000.RC13	RC13	15-VT-226	1/30/2008	08-32418 08-32318 08-32407 08-32200 08-33208 08-33211 08-32427	Accept	Component Cooling Water Residue / Packing Leakage

DAVIS-BESSE NUCLEAR POWER STATION UNIT #1									
Class 1 an d 2 Pressure Tests 15th Refueling Outage									
								Work Scope	Summary Number
Class 2	Class 2 Pressure Tests								
ISI ISI ISI	C07.000.CC04 C07.000.CF01 C07.000.CF02	CC04 CF01 CF02	15-VENDOR-013 15-VT-201 15-VT-202	1/4/2008 1/25/2008 1/25/2008	N/A N/A	Accept	le Case N-522 is applicable king Leakage Noted		
ISI ISI ISI	C07.000.CF03 C07.000.CF04	CF02 CF03 CF04	15-VENDOR-027 15-VENDOR-020	1/12/2008	08-34272 N/A 08-32716	Accept Coo	te Case N-522 is applicable te Case N-522 is applicable		
-		المحموم المحمو المحموم المحموم					ve Seat Leakage		
ISI ISI	C07.000.CF05 C07.000.CF06	CF05 CF06	15-VENDOR-026 15-VENDOR-045	1/6/2008 1/6/2008	N/A 08-32710	Accept Coc	le Case N-522 is applicable le Case N-522 is applicable. ve Seat Leakage		
ISI	C07.000.CF07	CF07	15-VT-215	1/30/2008	N/A	Accept			
ISI ISI	C07.000.CF08 C07.000.CV01	CF08 CV01	15-VT-216 15-VENDOR-005	1/30/2008 12/20/2007	N/A N/A		le Case N-522 is applicable		
ISI ISI	C07.000.CV02 C07.000.CV03	CV02 CV03	15-VENDOR-014 15-VENDOR-015	1/2/2008 1/1/2008	N/A N/A	Accept Coc	le Case N-522 is applicable le Case N-522 is applicable		
ISI ISI ISI	C07.000.CV04 C07.000.CV05 C07.000.CV06	CV04 CV05 CV06	15-VENDOR-016 15-VENDOR-048 15-VENDOR-009	1/1/2008 1/1/2008 1/2/2008	N/A N/A N/A	Accept Coc	le Case N-522 is applicable le Case N-522 is applicable le Case N-522 is applicable		
ISI	C07.000.CV07 C07.000.CV08	CV07 CV08	15-VENDOR-008 15-VENDOR-002	1/1/2008	N/A N/A N/A	Accept Coo	le Case N-522 is applicable le Case N-522 is applicable le Case N-522 is applicable		
ISI ISI	C07.000.CV09 C07.000.CV10	CV09 CV10	15-VENDOR-049 15-VENDOR-011		N/A N/A	Accept Coc Accept Coc	le Case N-522 is applicable le Case N-522 is applicable		
ISI ISI ISI	C07.000.CV11 C07.000.CV12 C07.000.CV22	CV11 CV12 CV22	15-VENDOR-006 15-VENDOR-042 15-VENDOR-039	12/31/2007 1/2/2008 1/12/2008	N/A N/A N/A	Accept Coc	le Case N-522 is applicable le Case N-522 is applicable le Case N-522 is applicable		
ISI ISI ISI	C07.000.CV23 C07.000.CV23 C07.000.CV24	CV22 CV23 CV24	15-VENDOR-032 15-VENDOR-035		N/A N/A N/A	Accept Coc	le Case N-522 is applicable le Case N-522 is applicable le Case N-522 is applicable		
ISI ISI	C07.000.CV25 C07.000.CV26	CV25 CV26	15-VENDOR-025 15-VENDOR-034	1/12/2008 1/12/2008	N/A N/A	Accept Coc	le Case N-522 is applicable le Case N-522 is applicable		

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

	DAVIS-BESSE NUCLEAR POWER STATION UNIT #1 Class 1 an d 2 Pressure Tests 15th Refueling Outage						
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
Class 2	Pressure Tests			۶		·	
ISI ISI ISI ISI	C07.000.CV27 C07.000.CV28 C07.000.CV29 C07.000.CV30	CV27 CV28 CV29 CV30	15-VENDOR-040 15-VENDOR-036 15-VENDOR-037 15-VENDOR-038	1/11/2008 1/11/2008 1/11/2008 1/11/2008	N/A N/A N/A N/A	Accept Accept	Code Case N-522 is applicable Code Case N-522 is applicable Code Case N-522 is applicable Code Case N-522 is applicable
ISI	C07.000.CV31	CV31	15-VENDOR-033	1/11/2008	08-33250		Code Case N-522 is applicable. Valve Seat Leakage
ISI	C07.000.DH04	DH04	15-VT-133	1/14/2008	N/A	Accept	
ISI	C07.000.DH08	DH08	15-VT-204	1/25/2008	08-34296		Packing Leakage Noted
ISI	C07.000.DH11	DH11	15-VT-166	1/17/2008	05-05731		Packing Leakage Noted
ISI	C07.000.DH12	DH12	15-VENDOR-024	Contraction of the second s	N/A		Code Case N-522 is applicable
ISI	C07.000.DH20	DH20	15-VT-134	1/14/2008	N/A	Accept	
ISI ISI	C07.000.DH21 C07.000.DR01	DH21 DR01	15-VT-203 15-VENDOR-046	####### 1/13/2008	N/A 08-33392		Code Case N-522 is applicable. Valve Seat Leakage
ISI	C07.000.DW01	DW01	15-VENDOR-029	1/13/2008	N/A	Accept	Code Case N-522 is applicable
ISI	C07.000.HP04	HP04	15-VT-094	1/6/2008	N/A	Accept	
ISI	C07.000.HP05	HP05	15-VT-101		N/A	Accept	
ISI	C07.000.HP06	HP06	15-VT-227	2/8/2008	04-06210		Packing Leakage Noted
ISI	C07.000.HP07	HP07	15-VT-228	2/8/2008	N/A	Accept	
ISI	C07.000.HP08	· HP08	15-VT-229	2/8/2008	05-05731	Accept	Packing Leakage Noted
ISI	C07.000.HP09	HP09	15-VT-165	1/17/2008	N/A	Accept	Contraction Strength Party of the Strength
ISI	C07.000.HP10	HP10	15-VT-162	1/17/2008	06-06394 08-33735	•	Packing Leakage Noted
ISI	C07.000.IA01	IA01	15-VENDOR-003	12/30/2007	N/A		Code Case N-522 is applicable
ISI	C07.000.MS02	MS02	15-VT-209	1/30/2008	08-34561		Packing Leakage Noted
ISI	C07.000.MS05	MS05	15-VT-219	1/30/2008	08-34568 08-34571 08-34573	Accept	Packing Leakage Noted

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			E NUCLEAR lass 1 an d 2		2	UNIT #	
			15th Refue				
Work Scope	Summary Number	Component ID	Examination Report Number	Exam Date	Condition Report Number	Final Status	Comments
Class 2	Pressure Tests						
ISI	C07.000.MS07	MS07	15-VENDOR-007	12/20/2007	N/A	Accept	Code Case N-522 is applicable
ISI	C07.000.MU01	MU01	15-VENDOR-041	1/5/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.MU02	MU02	15-VENDOR-017	1/5/2008	N/A	Accept	Code Case N-522 is applicable
ISI	C07.000.MU03	MU03	15-VENDOR-018	1/5/2008	N/A	Accept	Code Case N-522 is applicable
ISI	C07.000.MU04	MU04	15-VENDOR-019	1/5/2008	N/A	Accept	Code Case N-522 is applicable
ISI	C07.000.MU05	MU05	15-VENDOR-021	1/7/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.MU06	MU06 -	15-VENDOR-022	1/3/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.NN01	NN01	15-VENDOR-028	1/13/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.RC03	RC03	15-VENDOR-047	1/2/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.RC04	RC04	15-VENDOR-031	1/6/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.RC05	RC05	15-VENDOR-010	1/2/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.RC06	RC06	15-VENDOR-030	1/11/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.RC07	· RC07	15-VENDOR-023	1/12/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.RC08	RC08	15-VENDOR-012	1/3/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.SA01	SA01	15-VENDOR-001	12/30/2007	07-32108		Code Case N-522 is applicable. Valve Seat Leakage
				-			
ISI	C07.000.SF01	SF01	15-VENDOR-043	1/20/2008	N/A		Code Case N-522 is applicable
ISI	C07.000.SF02	SF02	15-VENDOR-044	1/20/2008	N/A	Accept	Code Case N-522 is applicable
							 . ·

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

## **REPAIRS AND REPLACEMENTS**

The following repairs and replacements on ASME Class 1 and 2 components were completed at the Davis-Besse Nuclear Power Station Unit #1 since May 2006 which marked the completion of the 14<sup>th</sup> Refueling Outage and completion of the 15<sup>th</sup> Refueling Outage in February, 2008.

During the application of a Full Structural Overlay on the Decay Heat Nozzle to Elbow Alloy 600 Dissimilar Metal Weld (DH-33A-CCA-4-1-FW1) water seepage was noted. A Procedure Demonstration Initiative (PDI) qualified augmented ultrasonic examination was performed to characterize the flaw. The flaw was characterized as an axial through-wall flaw in the Alloy 600 weld material. No other flaws were identified. This flaw was subsequently repaired by the application of a Full Structural Overlay Weld. Ultrasonic examination of the weld overlay identified a flaw in the weld overlay volume over the nozzle base material which was acceptable to the requirements of Table IWB-3514-2.

The appropriate Code Data Form is attached for each repair. Complete documentation for repairs and replacements is available for review in the Davis-Besse Records Management System.

Repairs/replacements utilizing items rotated from stock are not included in this listing as a Code Data Form is not required per IWA-4132 of ASME Section XI.

Order Number	System	Description
200003042	Main Feedwater	Replaced Steam Generator 2 Main Feedwater Stop Valve FW601 Body/Bonnet Bolting
200003060	Main Feedwater	Replaced Steam Generator 2 Main Feedwater Stop Valve FW612 Body/Bonnet Bolting
200008135	Decay Heat	Replaced Suction and Discharge Flange Bolting
200041969	Decay Heat	Installed Boron Precipitation Control Piping and Hangers
200057137	High Pressure Injection	Installed New Relief Valve on HP1511
200067202	Decay Heat	Installed new Decay Heat Cooler 2 Bypass Flow Control Valve DH13A
200067203	Decay Heat	Installed new Decay Heat Cooler 1 Bypass Flow Control Valve DH13B
200067204	Decay Heat	Installed new Decay Heat Cooler1 Outlet Flow Control Valve DH14A
200067205	Decay Heat	Installed new Decay Heat Cooler1 Outlet Flow Control Valve DH14B
200099433	Decay Heat	Installed New Relief Valve on DH1529

Code Case N-416-3 was used to perform pressure tests following repair/replacement activities.

Order Number	System	Description		
200123859	Containment Spray	Replaced Containment Spray Pump 1 Cyclone Separator CS4 Flange Bolting		
200140451	Main Steam	Rebuilt Steam Generator 2 Drain Line Isolation Valve MS603		
200162515	Reactor Coolant System	Replaced Containment Vent Header Relief Valve RC769 Inlet Flange Bolting		
200189329	Main Steam	Replaced Snubber on Hanger M1148/H5		
200200285	Reactor Coolant System and Related Equipment	Modified 10 Small Bore Pipe Supports		
200203452	Makeup and Letdown	Modified 4 Small Bore Pipe Supports		
200207115	Reactor Coolant System	Rebuilt Pressurizer Power Operated Relief Valve RC2A		
200209082	Main Steam	Replaced Steam Generator 2 Drain Line Isolation Valve MS603		
200209083	Main Steam	Replaced Steam Generator 1 Drain Line Isolation Valve MS611		
200229799	Decay Heat	Replace Body/Bonnet Bolting on Decay Heat Pump 1 Discharge Check Valve DH43		
200233203	Steam Generators	Steam Generator 1-2 Tube Plugging		
200233204	Steam Generators	Steam Generator 1-1 Tube Plugging		
200237871	Reactor Coolant System	Replaced Snubber on Hanger M1170/H14		
200237898	Reactor Coolant System	Replaced Snubber on Hanger FSK-M-CCA- 18-1-H2		
200237899	Reactor Coolant System	Replaced Snubber on Hanger M1142/H22		
200237901	Reactor Coolant Pumps	Replaced Snubber on Hanger FSK-M-CCB- 8-15-H1		
200237904	Reactor Coolant Pumps	Replaced Snubber on Hanger FSK-M-CCB- 8-15-H2		
200237906	Reactor Coolant Pumps	Replaced Snubber on Hanger FSK-M-CCB- 8-22-H3		
200237913	Reactor Coolant System	Replaced Snubber on Hanger M1170/H11		
200237914	Reactor Coolant System	Replaced Snubber on Hanger M1170/H2		
200237916	Reactor Coolant System	Replaced Snubber on Hanger FSK-M-CCA- 20-2-H4		

Order Number	System	Description
200237917	Reactor Coolant System	Replaced Snubber on Hanger FSK-M-CCA- 20-1-H3
200237918	Reactor Coolant System	Replaced Snubber on Hanger M1170/H4
200237919	Reactor Coolant System	Replaced Snubber on Hanger M1345/H2
200237920	Auxiliary Feedwater System	Replaced Snubber on Hanger M1155/H3
200237921	Containment Vessel Gaseous Waste	Replaced Snubber on Hanger FSK-M-HCB- 38-4-H4
200237922	Steam Generator	Replaced Snubber on Hanger M1147/H9
200237923	Steam Generator	Replaced Snubber on Hanger M1147/H4
200237924	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-19-H10
200237925	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-19-H5
200237926	Reactor Coolant System	Replaced Snubber on Hanger M1113/H54
200237927	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-19-H4
200237928	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-19-H1
200237929	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-9-H1
200237930	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-8-H11
200237931	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-8-H12
200238292	Steam Generator Drain	Replaced Snubber on Hanger FSK-M-EBB- 5-1-H1
200238293	Steam Generator Drain	Replaced Snubber on Hanger M1170/H12
200238484	Reactor Coolant System	Replace 1 Inlet Flange Stud on Pressurizer Code Safety Valve RC13A
200240268	Reactor Coolant System	Replaced CRDM Quick Vent Closure Assembly
200249935	Reactor Coolant System	Performed Full Structural Weld Overlay on the Pressurizer Spray Nozzle

Order Number	System	Description
200249948	Reactor Coolant System	Performed Full Structural Weld Overlay on the Pressurizer Surge Nozzle
200249949	Reactor Coolant System	Performed Full Structural Weld Overlay on the Pressurizer Relief Nozzle for RC2A
200249950	Reactor Coolant System	Performed Full Structural Weld Overlay on the Pressurizer Code Safety Nozzle for RC13A
200249951	Reactor Coolant System	Performed Full Structural Weld Overlay on the Pressurizer Code Safety Nozzle for RC13B
200249952	Reactor Coolant System	Performed Full Structural Weld Overlay on the Pressurizer Surge Line to Hot Leg Nozzle
200249953	Reactor Coolant System	Performed Full Structural Weld Overlay on the Pressurizer Decay Heat Line to Hot Leg Nozzle
200249954	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Level Sensing Line (RC14A)
200249955	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Level Sensing Line (RC14B)
200249956	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Level Sensing Line (RC14C)
200249957	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Level Sensing Line (RC14D)
200249958	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Level Sensing Line (RC14E)
200249959	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Level Sensing Line (RC14F)
200249960	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Head Vent Line Nozzle
200249961	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Sample Nozzle
200249962	Reactor Coolant System	Performed Half Nozzle Repair of Pressurizer Thermowell Nozzle
200261534	Reactor Coolant Pumps	Relocated Seal Injection Line Drain Valves MU247 and MU247A

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

Order Number	System	Description
200266309	High Pressure Injection	Installed High Pressure Line Flow Test Isolation Valve MU422
200296303	Main Steam	Replaced Snubber on Hanger SR9 (Snubber SNC178)
200296330	Main Steam	Replaced Snubber on Hanger SR9 (Snubber SNC234)
CR-05-05569	Decay Heat	Re-rated Line Class GCB-7 and GCB-8 Piping
ECP 06-0039-00	Decay Heat	Re-rated Line Class GCB-7 Piping

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#### 15 RFO Inservice Inspection Summary

1. Owner FirstEne	rgy Corp.		Date	March 10, 2008		<u></u>	
76 South	Main St., Akron, OH_44308			Sheet 1 of 1			,*
2. Plant Davis-Be	sse Nuclear Power Station		Unit	<u>-</u>	#1		
<u>5501 N. S</u>	SR. 2, Oak Harbor, OH 4344	19		Order # 200003042			- 11
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Repair Organizati	an P.O. No., Jo		
<u>5501 N</u>	Nama SR. 2, Oak Harbor, OH 43	449	A	uthorization No 20			
•	Address .			Expiration Date _07/	17/10		·. 
Identification of System	ns SG 2 Main Feedwater S	top Valve DE	B-FW601	(Si	ubsys 04	5-01)	
i (a) Applicable Consti	ruction Code _ASME III CL.2	1971 Edition	S71 Ac	idenda Coc	le Casø N	V/A	
.,	n of Section XI Utilized for Repairs bilities <u>FirstEnergy Corp.</u>	or Replacements	19 <u>95</u> E	Edition <u>96</u> A	ddenda	Code Case N/	<b>A</b> .
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Component	Name of Manufacturer	Manufácturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
8" Gate Valve	Velan Engineerig Co.	0019	N/A	DB-FW601	1974	Repaired	Yes
Sonnet Bolting Material	Unknown	Unknown	·N/A	N/A	Unk.	Replaced	No
24-1 1/8" x 9 1/4" Studs	Nova Machine Products	HT# 59412	N/A	TC# 597A	2006	Replacement	No
14-1 1/8" Hvy Hex Nuts	Nova Machine Products Corp.	HT# 13616	N/A	TC# IRS	2002	Replacement	No
· · · · · · · · · · · · · · · · · · ·							
		7. Descript					
	ance on this valve, the body to		vas replaced c	luring reassembly.			
VT-2 initial inservice	e leakage test was performed s	atisfactory					
		·····		· · · · · · · · · · · · · · · · · · ·			
		·					
· ·							
							ME ala
3 Tests Conducted:	Hydrostatic No Pressure <u>955</u>	Pneumatic No		Inal Operating Pressure Test Temperature		Other No °F	
Pressure Relief Va	alves:						
Servic	e N/A		Si	zə <u>N/A</u>			
Openi	ng Pressure N/A		BI	owdown (if applicable)	N/A		
Set Pr	essure and Blowdown Adjustment	s Made Using <u>1</u>	N/A	(Tasi Med	ium)		
				1			

Performance of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.  Date <u>03-10-013</u> FENOC Terms d'insurgement CERTIFICATE OF INSERVICE INSPECTION  CERTIFICATE OF COMPLIANCE  Signed In this report on INSERVICE INSPECTION  CERTIFICATE OF COMPLIANCE  COMMISSION INSUE OF WITH INSUE OF WITH INSUE OF THE INSERVICE INSPECTION  CERTIFICATE OF COMPLIANCE  COMMISSION INSUE OF WITH INSUE OF WITH INSUE OF THE INSUE OF THE INSERVICE INSPECTION  CERTIFICATE OF COMPLIANCE  NIA  NATIONAL BOARD CERTIFICATE OF AUTOMISSION INSUE OF ON	DB-0070-5
REMARKS       Average Very Construction     Remarks      N/A      CERTIFICATE OF COMPLIANCE      Richard R. Cockrell     contribution	FORM NIS-2/NR-1/ <del>NVR-1</del>
N/A       CERTIFICATE OF COMPLIANCE         A. Richard R. Cockrell	Applicable Manufacturers Data Reports to be Attached
CERTIFICATE OF COMPLIANCE         1. Richard R. Cockrell	
CERTIFICATE OF COMPLIANCE         1. Richard R. Cockrell	
N: Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" views.         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       03-10-0B       FENOC       Signed       07/17/10       0.C.         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         1.       Thomas G. Laps       holding a valid commission issued by the National Board of Boller and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.       NACL N. Support of an accordance with Section and employed by         BSD C1.       of Hartfod, C1       have inspector makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.         Date       311/0B       Signed       Immed YR" and "NR" rules.         N/A       oertification No       316       to use the "NR" stamp expires       07/17/10         Date       Signed       Signed       Immed YR" and "NR" rules.	
N: Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" views.         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       03-10-0B       FENOC       Signed       07/17/10       0.C.         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         1.       Thomas G. Laps       holding a valid commission issued by the National Board of Boller and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.       NACL N. Support of an accordance with Section and employed by         BSD C1.       of Hartfod, C1       have inspector makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.         Date       311/0B       Signed       Immed YR" and "NR" rules.         N/A       oertification No       316       to use the "NR" stamp expires       07/17/10         Date       Signed       Signed       Immed YR" and "NR" rules.	
N: Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" views.         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       03-10-0B       FENOC       Signed       07/17/10       0.C.         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         1.       Thomas G. Laps       holding a valid commission issued by the National Board of Boller and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.       NACL N. Support of an accordance with Section and employed by         BSD C1.       of Hartfod, C1       have inspector makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.         Date       311/0B       Signed       Immed YR" and "NR" rules.         N/A       oertification No       316       to use the "NR" stamp expires       07/17/10         Date       Signed       Signed       Immed YR" and "NR" rules.	
replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection     Code "NR" rules.     Date <u>03-10-08</u>	CERTIFICATE OF COMPLIANCE
Date       D3-1D - DB       FENOC       Signed       Distribution       Q.C.         CERTIFICATE OF INSERVICE INSPECTION         1,       Inoma G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Hispectors and certificate of competency issued by the work described in this report on MACCH M_2009 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.         Date       3 11/oE       Signed	I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
	National Board Certificate of Authorization No. 20 to use the "NR" stampexpires07/17/10
CERTIFICATE OF INSERVICE INSPECTION  Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by  HSB CI of Hartford, CI have inspected the work described in this report on MACCH 1, 2009 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection and or my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.  Date <u>311000</u> Signed <u>Thomas</u> <u>Certificate</u> Commissions <u>B6 43300 MIT</u> (Certificate or explanation) of the pressure replied the statements made in this report.  CERTIFICATE OF COMPLIANCE  N VA	Date 03-10 0B FENOC Signed Juna R. Gorgeree Q.C.
Impactors and certificate of competency issued by the jurisdiction of OHIO and employed by       OHIO and employed by         Itspectors and certificate of competency issued by the jurisdiction of OHIO and employed by       OHIO and employed by         ISB C1Of Hartford, C1 have inspected the work described in this report on MARCH, U_2009 and state that to :::       The hest of march, U_2009 and state that to :::         ISB C1Of Hartford, C1 have inspected the work described in this report on MARCH, U_2009 and state that to :::       The hest of march as been completed in accordance with Section         XI of the ASME Code and the National Board Inspection Code "NR" rules.       By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.       DB 4330 // 17 // 10 // 10 // 17 // 10 // 10 // 17 // 10 // 10 // 17 // 10 // 17 // 10	
Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by ISB CI of Hanford, CI have inspected the work described in this report. MARCH, N_2CQB and state that to ISB CI of Hanford, CI have inspected the work described in this report. Furthermore, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.   Date 31100000000000000000000000000000000000	CERTIFICATE OF INSERVICE INSPECTION
work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.       Date       3/11/02       With Connected with this inspection.         Date       3/11/02       Signed       Themas July and the pressure of connected with this inspection.       Different and the pressure of connected with this inspection.       Different and the pressure of connected with this inspection.       Office of connected with this report.       Office of connected with this inspection.       Office of connected with this inspection.       Office of connected with this report.       Office of connected with this report.       Office of connected with this inspection.       Office of connected with this report.       Office of connected with this inspection.       Office of connected with this report.       Office of connected with	Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford</u> , <u>CT</u> have inspected the work described in this report on <u>MACL</u> <u>1,2coB</u> and state that to <u>U</u> the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
CERTIFICATE OF COMPLIANCE  I, N/A, certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/10</u> Date	work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date
Correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/10</u> at a stational Board Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/10</u> Date <u>FENOC</u> Signed <u>Q.C. PREVICE INSPECTION</u> INCLOSE AND COMPLETED AND THE INSPECTION IN CERTIFICATE OF INSERVICE INSPECTION IN CERTIFICATE OF INSERVICE INSPECTION IN CERTIFICATE OF INSERVICE INSPECTION IN COMPLETED AND THE INSPECTION IN COMPLETED AND THE INSPECTION IN CERTIFICATE OF MALENDAL COMPLETED AND THE INSPECTION IN CERTIFICATE OF MALENDAL COMPLETED AND THE INSPECTION IN CERTIFICATE OF INSERVICE INSPECTION IN CERTIFICATE OF ON CERTIFICATE OF INSERVICE INSPECTION IN CERTIFICATE OF ON CERTIFICATE OF INSERVICE INSPECTION IN CERTIFICATE OF ON CERTIFICATE OF INSERVICE INSPECTION IN CERTIFICATE OF ON COMPLEXATION OF THE INSERVICE INSERVICE INSPECTION IN CERTIFICATE OF ON COMPLEXATION OF THE INSERVICE INSERVIC	
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Date	I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
Date       FENOC       Signed       Q.C.       Pre-         Image: Certificate of competency issued or presentation       Image: Certificate of competency issued by the jurisdiction of OHIO and employed by       OHIO and employed by         HSB CI       of Hartford, CI have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this inspection.         Date       Signed       Commissions	National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
CERTIFICATE OF INSERVICE INSPECTION         Inspectors and certificate of competency issued by the jurisdiction ofOHIO and employed by         OHIOand employed by           HSB CIOfHartford, CIhave inspected the repair, modification or replacement described in this report onand state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.           By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall belief in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.           Date	National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction ofOHIO and employed by         HSB CIOfHartford, CIhave inspected the repair, modification or replacement described in this report onand state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall better is inspection.         DateSigned	
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Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall belief liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date	
repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall being liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date Signed Commissions	Inspectors and certificate of competency issued by the jurisdiction ofOHIO and employed by HSB CI ofHartford, CI have inspected the repair, modification or replacement described in this report on
(Inspector) (National Board (inc) endorsements),	repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall being liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
(respector) (valuonal stated (not endorsements), and jurisdictions and no ))	
	(response) (response), and jurisdictions and no ))

DB-0070-5	· · · · · · · · · · · · · · · · · · ·			·			
FOR	M NIS-2/NR-1/NVR-1 OV				PLACE	EMENTS	
	As Required	by the Provisions	of the ASME	Code Section XI			
1 Owner FirstEne	rgy Corp.		Date	March 7, 2008			:
76 South	Main St Akron OH 44308			Sheet 1 of 1			•••
	Main St., Akron, OH 44308	······································					
2 Plant Davis-Be	sse Nuclear Power Station		Unit		#1		<u> </u>
<u>5501 N. S</u>	SR. 2, Oak Harbor, OH 4344	9		Order # 200003060 Repair Organizati	ian P.O. No., Ja	ab No., sto,	
3. Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>		<u>.</u>	
5501 N	. SR. 2. Oak Harbor, OH 43	449	A	uthorization No 20			
	Address						
	- SG 1 Main Easdurates 9	ton Value Dr	ENICIO	Expiration Date _07/			, <i>.</i>
	ns SG 1 Main Feedwater S		3-FW612	(5)	ubsys 04	<u>5-0[]</u>	·
5 (a) Applicable Const	ruction CodeASME III CL.2	1971 Edition	S71 A	idenda Coc	ie Case N	VA	**i###
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> i	Edition <u>96</u>	Addenda	Code Case N/	A
(c) Design Responsi	bilities FirstEnergy Corp.	· · · · · · · · · · · · · · · · · · ·				<u> </u>	
	6. Identification of Compo	[	· · · · · · · · · · · · · · · · · · ·	nd Replacement Cor	mponent	s T	T
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No	Year. Built	Repaired Replaced or Replacement	ASME Code Stamped
18" Gate Valve	Velan Engineerig Co.	0020	N/A	DB-FW612	1974	Repaired	Yes
Bonnet Bolting Material	Unknown	Unknown	N/A	N/A	Unk.	Replaced	No
24-1 1/8" x 9 1/4 Studs	Nova Machine Products	HT# 59412	N/A	IC# 597A	2006	Replacement	No
24-1 1/8" Hvy Hex Nuts	Nova Machine Products Corp.	HT#13616	N/A	TC# IRS	2002	Replacement	No
		7. Descript	ion of Work				
	nance on this valve, the body to		vas replaced o	luring reassembly.			ابید:  * میں د
A VT-2 initial inservic	e leakage test was performed s	atisfactory					
	<u>`</u> `						
	·						aivit: vrtea
			<u></u>				type:
8 Tests Conducted:		Pneumatic No	Nom	inal Operating Pressure		Other No	
	Pressure <u>956</u>	psi		Test Temperature <u>N</u>	<u>101</u>	•F	
Pressure Relief V	,						
	ce <u>N/A</u>	· · ·	SI				·
	ing Pressure <u>N/A</u>		BI	owdown (If applicable)	N/A		· ·
Set P	ressure and Blowdown Adjustment	s Made Using <u>1</u>	N/A	(Test Mad	llum)		
at	N/A			·			
NOTE: Supplemental s	heets in the form of lists, sketches,	or drawings may b	(Location) e used, provide	d (1) size is 8 ½ X 11 ir	1 (2) Infor	mation in items 1 th	rough 6 on
this report is included on e	each sheet, and (30 each sheet is r	umbered and the n	umber of sheet	s is recorded at the top	of this for	rm	

**DB-0070-5** FORM NIS-2/NR-1/<del>NVR-1</del> Applicable Manufacturers Data Reports to be Att 9. REMARKS N/A CERTIFICATE OF COMPLIANCE Richard R. Cockrell I. , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. National Board Certificate of Authorization No 20 to use the "NR" stamp expires 07/17/10 FENOC Sianed Date 03-07-2008 CERTIFICATE OF INSERVICE INSPECTION Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel L Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by of \_Hartford, CI have inspected the work described in this report on \_ MARCH\_ 11, 2008 and state that to " HSB CT. the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section-XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. none Date Signed Commissions **CERTIFICATE OF COMPLIANCE** , certify that to the best of my knowledge and belief the statements made in this report are N/A I. correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of 🕾 the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 National Board Certificate of Authorization No. 20 07/17/10 to use the "NR" stamp expires 41 0.C Date FENOC Signed CERTIFICATE OF INSERVICE INSPECTION N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel 1. Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by HSB CT of Hartford, CT have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall beach liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Signed Commissions Date

	As Requ	ired by the Provisions	of the ASME	Code Section XI			
Owner First	Energy Corp.		Date	September 18, 20	07		
<u>76 So</u>	uth Main St., Akron, OH 4	4308		Sheet 1 of 1	•		
Plant Davis	Besse Nuclear Power Stati	0.0	Unit	<u> </u>	#1		
5501	N. SR. 2, Oak Harbor, OH	43449	-	Order 200008135 Repair Organizati	an P.O. Alt.	15 blo - 454	
	y FirstEnergy Nuclear O		Турә	Code Stamp <u>NR</u>			
_550	1 N. SR. 2, Oak Harbor, OI	1_43449	A	uthorization No 20	,, ÷	· · · · · · · · · · · · · · · · · · ·	
				Expiration Date _07/	/17/10	·	
Identification of Sy	stems Decay Heat Pump	1-1, DB-P42-1, (Sut	osys 049-02)			······	
(a) Applicable Co	nstruction Code <u>ASME III (</u>	1971 Edition	no Ado	lenda Coc	ie Case n	no	
(b) Applicable E	lition of Section XI Utilized for Re	pairs or Replacements	19 95 r	Edition 96 4	ddenda	Code Case 110	
	onsibilities First Energy Con					0000 0232 40	
(c) Design Resp	risionnesFITSL Energy Con	D., NOVA MACHINE PTO	ducts Inc.				
	6. Identification of C	omponents Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Componer	t Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
lange studs 16@1 1	8" Nova	G7504 (P516)	N/A	N/A	2005	Replacement	no
lange studs 16@1 1/	4" Nova	G8391 (P517)	N/A	N/A	2005	Replacement	no
lex nuts 30@ 1 1/8"	Nova	729703 (P453)	N/A	N/A	2005	Replacement	no
lex nuts 2@ 1 1/8"	Nova	729363 (P180)	N/A	N/A	2005	Replacement	no
ex nuts 32@ 1 1/4"	Nova	150713 (P495)	N/A	N/A	2005	Replacement	no
	<u></u>		L			<u> </u>	L
	·····	7. Descript					
	discharge flange studs and r		th new materia	al listed above.		·	
VT-2 inservice le	akage test was performed sat	istactory.		·			
						··	
					· · · · · · · · · · · · · · · · · · ·		
Tests Conducte	t: Hydrostatic No Pressure <u>NOP</u>	Pneumatic No	Nom	inal Operating Pressure Test Temperature		Other No °F	<u>-</u> `
Pressure Relie		par				F	
			Si	ze N/A			
							<u></u>
	pening Pressure N/A		Bl	owdown (if applicable)	<u>N/A</u>		
Se	t Pressure and Blowdown Adjust	ments Made Using <u>1</u>	√/A	(Test Med	ium)	····	
at	N/A				•		
u.	A 174 A		(Location)				

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
I, <u>Kevin J. Krcss</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires / 07/17/10
Date <u>9-18-2007</u> <u>FENOC</u> Signed <u>Q.C.</u>
CERTIFICATE OF INSERVICE INSPECTION
I, <u>Tom G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CI       of <u>Hartford, CT</u> have inspected the work described in this report on <u>Sept. (8, 2007</u> ) and state that to         the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date 918 07 Signed Thomas Para Commissions NB9330 NTA COMM
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/07
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
1, N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of OHIO       and employed by         HSB CI       of Hartford, CI       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been       completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Inspector) (National Board (not and/orkenents), and jurisdictions.and no.))

Page 49 of 238

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## 15 RFO Inservice Inspection Summary

Owner FirstEne	rgy Corp.		Date	July 6, 2006			
_76 South	Main St., Akron, OH 44308	3		Sheet 1 of 4			
Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
	Name		Unit				—
5501 N.	SR. 2, Oak Harbor, OH 434	49	-	Order# 200041969 Repair Organizati	on P.O. No., Je	25 Na., etc.	
. Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			_
5501 N	SR. 2. Oak Harbor, OH 43	3449	A	uthorization No. 20			
	Address						
				Expiration Date _ 07/	17/07		·
<ol> <li>Identification of System</li> </ol>	ns Decay Heat and Low Pr	ressure Injection	(Subsys049-0	12)			<b></b>
5 (a) Applicable Const	ruction Code ASME III CL.2	1971 Edition	No Ad	denda Cot	le Case I	NA	
(b) \ Applicable Editio	n of Section XI Utilized for Repairs	or Replacements	19 95	Edition <u>96</u>	Addenda	Code Case N4	116-2
	bilities _ First Energy Corp., V					N	416-3
	6. Identification of Comp	onents Repaired	or Replaced a	Ind Replacement Cor	nponent	5	·
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
2" Gate Valve	Velan Inc.	011025-9	NA	DH203	2001	Replacement	Yes
2" Globe Valve	Velan Inc.	931039-2	NA	DH206	1993	Replacement	Yes
3" Swing Ck. Vlv.	Westinghouse Electro-Mech	*	NA	DH207	1979	Replacement	Yes
Supports	First Energy Corp.	NA	NA	See Below	2003	Repaired	No
		ſ	┟╾╍┈╍╸╼╸			<u>†</u>	<u>├</u>
		7. Descript	lion of Work			- ·	
S/N 03000CS880000	0002W750326						
	n per ECR 03-0146-00. Fabric						
	-GCB-7-H10 thru H13 per EC						
	nanger 33C-GCB-7-H6 satisfact are recorded in the work order				1 Satistad	clory.	
An materials instance	are recorded in the work ofder	and Identified on	i ule design di				
5.a (cont.) ANSI B31.	& MSS-SP58-1967 Edition.						
B Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure	Yes	Other Yes	
	Pressure <u>NOP</u>	psi		Test Temperature			
Pressure Relief V	alves:						
Servi	08 <u>N/A</u>		Si	ize <u>N/A</u>			
Open	ing Pressure N/A		BI	lowdown (if applicable)	N/A		-
-	ressure and Blowdown Adjustment	ts Made Using	N/A				
				(Tesi Mar	(irm)		

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

PORM NIS-2/NR-1/AVR-1      A. REMARKS      Average Management of Average Management of Average Management of Averagement	55 aava 4	
PREMARKS      Pressure bioademetricity provides an end of the second provides and provide provide and provide provide and provide provide and pro	DB-0070-4	
S. REMARKS      Vestinghouse Electro-Mechanical Div.     CERTIFICATE OF COMPLIANCE      Richard R. Cockrell     Certificate of Authorization No. 20 to use the "NR" starpe expires     OTIT707      the lems described above conforms to Section XI of the ASME Code and to the National Board Inspection     ode "NR" rules.      ational Board Certificate of Authorization No. 20 to use the "NR" starpe expires     OTIT707      the DT-DL-CA     FENOC     Signed     CERTIFICATE OF INSERVICE INSPECTION      Tom G. Lpps     holding a valid commission issued by the National Board of Boller and Pressure Vessel     greators and certificate of Authorization No. 20 to use the "NR" starpe expires     OTIT707      CERTIFICATE OF INSERVICE INSPECTION      Tom G. Lpps     holding a valid commission issued by the National Board of Boller and Pressure Vessel     greators and certificate of cubical leverance     Not and state that to     be used of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section     of the ASIME Code and the National Board Inspection.     Signed	FORM	
CERTIFICATE OF COMPLIANCE         Richard R. Cockrell	9.	Applicable Mandacturers Data Reports to be Attached
CERTIFICATE OF COMPLIANCE         Richard R. Cockrell	Westinghouse Electro-Mechanical Div.	
Richard R. Cockrell	Velan Inc.	
Richard R. Cockrell		
Richard R. Cockrell		
Richard R. Cockrell	CERTIFI	CATE OF COMPLIANCE
eta       DT-DL-C6       FENOC       Signed       QC         CERTIFICATE OF INSERVICE INSPECTION         Indicator of collige a valid commission issued by the National Board of Boiler and Pressure Vessel         spectors and certificate of competency issued by the jurisdiction of OHIO       and employed by         Signed       OHIO       and employed by         Signed in this report on Jury II 20cb and state that to espect the work described in this report on Jury II 20cb and state that to espect the National Board Inspection Code "NR" rules.         y signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the ork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any smoothing and provide the work of the statements made in this report are stored with the inspection.         ACCENTIFICATE OF COMPLIANCE         N/A	I, Richard R. Cockrell , certify that the stat	ements made in this report are correct and the repair, modification, or
CERTIFICATE OF INSERVICE INSPECTION  Iom G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel spectors and certificate of competency issued by the jurisdiction ofOHO best described in this report onAUX II Zop, and state that to e best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section I of the ASME Code and the National Board Inspection Code "NR" rules. y signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the ork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any present injury, property damage or loss of any kind arising from of connected with this inspection. ate	National Board Certificate of Authorization No. 20 to	use the "NR" starspexpires07/17/07
CERTIFICATE OF INSERVICE INSPECTION	Date <u>D7-04-06</u> FENOC	_ Signed [ Age R Colores Q.C.
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As Required	by the Provisi	ons of the ASME	Code, Section	III, Division 1
				Pg. 1 of _2
		<u> </u>		
Namu Bagkumod				
			ARD AVE. NONTREAL, OU of N Certificate Holder)	
. Manufactured :	for PRAMATONE TECHN	(name and address	FOREST RD. LYNCHBURG	VA.USA 24501
. Location of in	istallion	<u>N/x</u>		
. Model No., Ser	cies No., or Type: (	(name and address Drawiner P	) 1-75800-N21_ Rev	H (70)r rr/r
		*		
. ASKA COde, 960	stion III, Division	(edition)		<u></u>
. Pump or valve	VALVE Nomine	1 inlet size2	(addenda date) (class)	(Code Cess no.) 2
		(in.)	(.ما)	Brann, age & a.
. Material: Body	, SA-182, F315 Bon	net <u>5A-182, 7316</u>		Bolting SA-194.8M
(a)	(b)	(c)	(d)	BA-564, 630H1100 (e)
Cart.	Nat'l	Body	Bonnet	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
031025-1	N/A	R/C:CCB	H/C: BVT	H/C: 62H
011025-2		CCR	BVT	62H
011025-3	اد براندار و متعقرهمان درمه شموره ۱۹۵۰ و مرد	CCB	BVT	<u> </u>
011025-4	جيهوا بابن متباطين ومنافاتهما والانبوا والتقور ومور	<u></u>	BVT	<u> </u>
011025-5	Canada a managana da managa da manga,	CCR	BVT BVT	<u>628</u>
011025-7	د <u>محمد پر محمد میں محمد میں اور میں محمد میں اور میں م</u> رکز کر اور میں محمد میں اور میں محمد میں میں میں میں میں مرکز اور میں	CCE	BVT	62H
011025-8		CCE	BVT	628
011025-9		CC3	EVT	628
011025-10		CCE	BVT	<u> </u>
RENGERRAN,			<u></u>	8 ta ta
الدحاط الألفية معرورين وتشتهيه وحيد ومجروعها			· • • • • • • • • • • • • • • • • • • •	ومعارية كالأخباذ كالي والمتوافقات فالتك ومتكلون
·····	مستحد فيتعد والمراجع ومعادكم وجود الأرا وجود	ميجو ودادي ميرون بالمنا المحمد الروام مردم.	د منه وي <b>مري د خر ، منه مريستي ب</b> ر	
المتحصي والمروان والمحجاة المواري	,		بمنصب ومخلف بالمكيين ويصرح المتخلص	······································
	· · · · · · · · · · · · · · · · · · ·	به هیچونید و رسوا کاکر و بود این		
	- ماد خواسب، د محمد مد خو خو خو مد المحمور		والمحاصر والمرافقة والمحاد والمحاد	و د خیره به همی بر میکند
				د محمد المحمد
	۲۰ مارستگاه برد با این برده نورست م <sub>یسو</sub> یو	محبب مسائلاتيون بدالا فالمتحاك فاعتما فاحبر معرد العروبة		اجتلو وسند بإكبيب سليب خلافتك ورين المراو والمتلا والزو
		سی بر پاراناریوپر وربارکنگ ۵ نابیکان د با <sub>ک</sub> و ، باد نمید	چە دىرە بىرە سەتەتى <u>تىن تەتەرىپ چې</u> تە بى دىرە بىل بەتھ	
والمستحد ومقاله والألاك ستطر كالبرين المكان التكريب		، یقی رہے ہو میں بین میں		· · · · · · · · · · · · · · · · · · ·
. «به مه مقابلة بالعلي بموانية ب هامة علي من من مراجع من من مراجع الم		د بیواد از ان می برد. به بیواد از ان می برد. به بیست می برد.		
Supplemental information in	torm of lists, sketches, or drawiz ) each sheet is numbered and the	ugs may be used provided (1) size number of sheets is recorded a	t is 8 1/2 x 11, (2) information in its t the tap of this form.	ims I through 4 on this Dats Repor

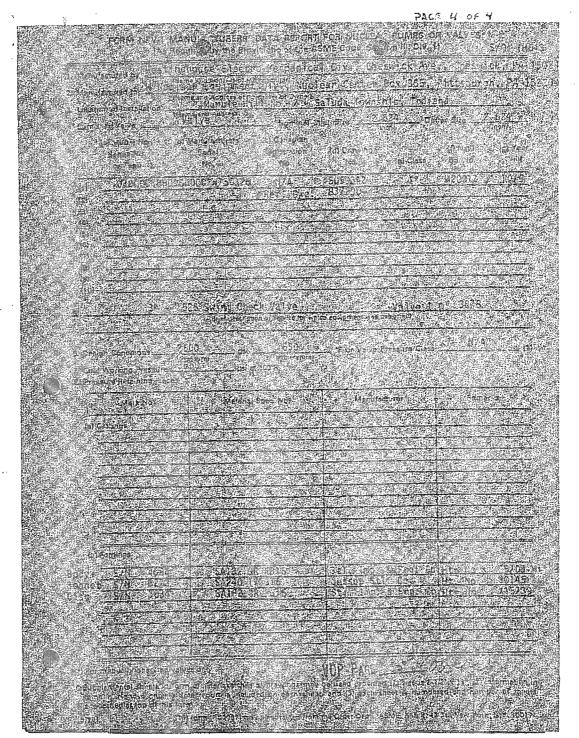
FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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FORM NPV-1 (Back - Pg. 2 of2 )		
•	older's Serial No.	
A. Design conditions psi 100 "F or valve p (pressure) [temperature]		300 (1)
(pressure) (temperature) Cold working pressure1920 pri at 100°y		
10. Hydrostatic test 3000 psi. Disk differential test pr	ressure	tag.
LI. RemarkerMATERIALS MEET ASME SECTION IT EDITION, 1989		
		·····
CERTIFICATE OF DESIGN		
Design Specification certified byN.LAVIGNE P.E. State		
Design report certified by <u>S. ISBITSKY</u> P.E. State	<u>OUE</u> Reg. 20.	22115
Design Lepost set Cloud Dy St Averaba		
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CERTIFICATE OF COMPLIANCE We cartify that the statements made in this report are correct valve conforms to the rules for construction of the ASME Code, N Certificate of Authorization No. <u>N-2797-1</u> Date <u>OCT 11 Di</u> Name <u>VELAN INC.</u> Signed <u>(N Creditors Helder)</u> (N Creditors Helder) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the 1 Pressure Vessel Inspectors and the State OF Province of <u>COM</u> REGIS DU BATTARNT of <u>OURBEC</u> have inspected to in this Date Report on <u>OURBEC</u> , and state that to belief, the Certificate Helder has constructed this pump, or v ASME Code, Section III, Division 1. By signing this cartificate, neither the inspector nor his a expressed or implied, concerning the component described in the neither the inspector nor his suployer shall be liable in any ma or property damage or a loss of any kind arising from or connec Date <u>01/10/16</u> signed <u>CurringUnded this</u> Commissions <u>OF</u>	and that this pump Section III, Divis Section III, Divis Section III, Divis Section III, Divis Section III, Divis authorized Approximative (Comparison of the section of the basis of the section of the raive, in accordance amployer makes any tis Data Report. Phannet for any person that for any person that with this insy	Boiler and suployed by , described owledge and se with the werrenty, urthermore, ousl injury
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Page 52 of 238

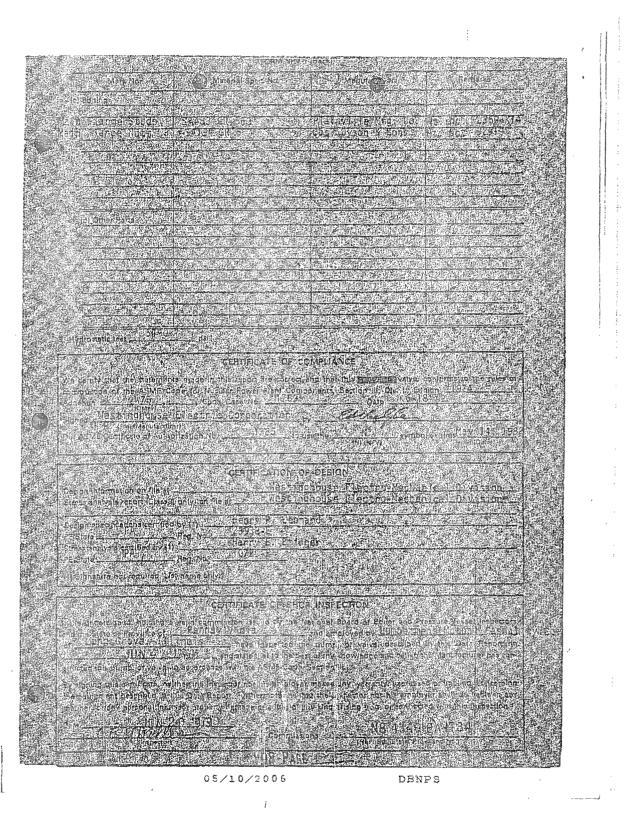
08/09/2003 11:30 FAX 4192492360 WAREHOUSE 7166 30F4 2000 ŧ REVISED COPY CH FORM NPV-1 CERTIFICATI JLDERS' DATA REPORT FOR NUCLEAR MPS-OR-VALVES\* 931039 As Required by the Provisions of the ASIME Code. Section III, Division 1 Pg. 1 of. A.5 1. Manufactured and certified by NTREAL 11/ and for 2. Manufac ii e a 8. Location of inst Iname and P<u>1-76800-N7L</u>R 4. Model No., Series No., or Type Sele ž 5. ASME Code Division 1: VALUE 6. Pump of valve F316 50.182 a la Disk Caldenor 4 Boiting d 7. Material: Body ,(c). Disk (a) (c) (1) (Þ) Cart. N#t'l Bonnet Gody Holder's Serial Seria Seria Board Setial No. No. P No. No. No. 31039-2 38K n/h ~4 11 " 27 38/ 11) das is 8% × 11, 12) in in ite at informa ch sheet le ert is in on this Date Rate id. NJ 07007-2300. m (ECCC37) may be obtained from the Order Capt., ASME, 22 Law Orive, Box 2300, Feb (12/88) This fa juxe PIAF. 7 NE AS

08/09/2003 11:30 FAX 4192492380 WAREHOUSE 1009 ¢ FORM NPV-1 (Back - Pg. 2 of \_\_\_\_) P.6 831039 6430 class 2680 8. Design conditions .m un 6230 psi at 100°F 9. Cold working pre-10. Hydrostatic test 2225 nel. Disk differential tess Å 11. Hemarks ALACA 1991 Tind 10 27/9 CERTIFICATION OF D T.M. FARRELL A U E Design Sou n cartifiad by SALTSEY ane Design Report certified by P.E. State Rog. no. 2211 CERTIFICATE OF COMPLIANCE We certify that the states nts made in this report are correct and that this pi of the ASME Code, Section IB, Division 1. N Certifica CERTIFICATE OF INSPECTION issued by the Na d the pu gs and belief, the Cartificate Holder has con that to the best of my kno tiance with the ASME Code, Section III. Division 1. ming the dfic veldess the inspector nor his employer makes any warranty, exp or impli 8v wer shall be lishie in any n d in this Data Report. Furth the nor his work more reinter the insor loss of any kind arising fr and with this inst JACQUES MARCHAND 'K1 NGOSVAGLAGUG and a , and no.l (1) For manually operated valves only. PAGE & OFTS - **16**5



05/10/2005

DBNPS



Page 56 of 238

				REPAIRS OR RE			
Owner FirstEne	ergy Corp		Date	December 3, 200	7		
_76 South	Main St., Akron, OH 44308	<u> </u>		Sheet 1 of 2			
Plant Davis-B	Plant Davis-Besse Nuclear Power Station		Unit		#1		
	Nama	10		Order # 200057137			
	SR. 2, Oak Harbor, OH 4344		-	Repair Organizet		do No., etc.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co	Турө	Code Stamp <u>NR</u>			
_ <u>5501 N</u>	N. SR. 2. Oak Harbor, OH 43	3449	A	uthorization No. 20		<u> </u>	
				Expiration Date _07/	<u>/17/10</u>		
Identification of Syste	ms High Pessure Injection I	Pump 2 Suction H	Relief Valve -	DB-HP1511- (Subs	ys 52-01	)	·
(a) Applicable Cons	inuction Code <u>ASME III CL.2</u>	1971 Edition	W 72 /	Addenda Coo	le Case N	10	. 4
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 95	Edition <u>96</u>	Addenda	Code Case No	>
(c) Design Respons	ibilities <u>FirstEnergy Corp.</u> , Ar	nderson Greenwo	od Crosby.	· _ · ·	<u> </u>	·	· .
	6. Identification of Compo	onents Repaired	or Replaced a	and Replacement Cor	nponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASMI Code Stamp
elief Valve	Lonergan	304400-15-1	N/A	DB-HP1511	1975	Replaced	Yes
elief Valve	Anderson Greenwood Crosby	N99716-00- 0004	N/A	DB-HP1511	2006	Replacement	Yes
			, ,				
			[				
cisting relief valve (s	erial # 304400-15-1) was repla	7. Descript		erial # N99716-00-00		ne routine miante	nance
	e leakage test was performed s						<u></u>
							·
Tests Conducted:	Hydrostatic No Pressure <u>33</u>	Pneumatic No	Norr	Inal Operating Pressure		Other No °F	
Pressure Relief V		\ \					
Servi	сө <u>N/A</u>			ize <u>N/A</u>			- '
	ing Pressure <u>N/A</u>			lowdown (if applicable)	N/A		— , <sup>; ;</sup>
Set P	ressure and Blowdown Adjustment	ts Made Using _ ]	N/A	(Test Med	ium)		

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
Anderson Greenwood Crosby
I, Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board inspection
Code "NR" rules.
National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date
CERTIFICATE OF INSERVICE INSPECTION
holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>Dec. 6, 2007</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 12/6/07 Signed Trepros L Guy ANTE Commissions NB 9336 NI I A Control (managements), and really and control (managements).
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been       completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be?
liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Commissions

. . . e . .

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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		* Corrected Cop	<i>.</i> .
· · ·	- 10 - 10	Q.C44C-1 Sheet 1 of 2	104
		Q.C44C-1	81 06
		Sheet 1 of 2	ir
FO	RM NV-1 FOR SAFETY AND SA As required by the Provisions of the		19/07
	DATA REPOI	AT	
. Manufactured By		13 Kendrick St., Wrentham, MA 02093	
Model No. U.T.IBS-35-S. Or		and Address 10/19/05 National Board No	
TYPEE			
Manufactured For	FIRST ENERGY CORP.	Order No. 45171850	1
	Name and Address FIRST ENER	GY COPP	
. Owner	Name and	Address	
Location of Plant	DA'	VIS BESSE	
Valve Identification	HP1511 Serial No. N99716	-00-0004 Drawing No	St AND
Type SAFETY RE	BLIEF Orifice Size 0.66	5 Pipe Size Inlet 1.5 Outlet 2	Prolis
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"Der Llessnie (Laid)	450	¥ _280°250 °F	
		Rated Temperature DET 8-DEC-06	1.12-1
		Inch Inch <u>280</u> 250 ° F Rated Temperature DEF 8-SEC-Old essure - Blowdown (psig) 10%	he 12-1
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Stamped Capacity 193 GPM WA Hydrostatic Test (PSIG) Inlet The material, design, construct	ATER@70 DEG.F @ 10% % Overpr 1100 Complete V	alve100	he 12-1
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Page 59 of 238

Sec. Sec.

orm NV-1 (Back)	Certificate Holder's Seri	al No.	N99716-0	0-0004		Q.C44C-1 Sheet 2 of 2
		Serial N Identificat		NON-DC.	Material Spe Including Typ	
Spring		NX1703	ma por as	فالجنو	ASTM A313 TY	
. Bolting						<u>(1 E 510</u>
. Other Parts such as P	ilot Components					· · · · · · · · · · · · · · · · · · ·
Bonnet Stud		900163	······	ASME	SA564 GR. 63	0
Bonnet Nut	·N	95763 N94	7135	ASME	SA194 GR. 8M	
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le certify that the states	nents made in this report are	correct				
	And	derson Greenwoo	d Crosby		~ ,	
ate 3070N	20 0 6 Signed	Wrentham, M		D-12-1	M	
		Manufactures	r			
ertificate of Authorizat	ion No. N-1878	Exp	ires 3	30-Sep-07		
ertificate of Authorizat	ion No. <u>N-1878</u>	Exp	pires3	30-Sep-07 Date		
ertificate of Authorizat	میں			Date		
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	میں	TE OF SHO	P INSPECTI	Date <u>ON</u>	e Vessel Inspector	rs and the
	CERTIFICA	TE OF SHO	P INSPECTI I Board of Boiler a	Date <u>ON</u>	e Vessel Inspector	rs and the
I, the undersigned, State or Province of	CERTIFICA holding a valid commission issue MA and employed by	<u>TE OF SHO</u> ed by the Nationa HSB - CI	P INSPECTI I Board of Boiler a	Date <u>ON</u>	e Vessel Inspector	rs and the
I, the undersigned, State or Province of have inspected the	CERTIFICA holding a valid commission issue MA and employed by e equipment described in this	TE OF SHO ed by the Nationa <u>HSB - CI</u> Data Report on <u>6 - 2 9 - 28</u>	P INSPECTI 1 Board of Boiler a 1 Board and sta	Date ON and Pressur ate that to	the best of my	
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FUR		by the Provisions			FLAG		
1 Owner FirstEne	ngy Corp.		Date	October 23, 2006	i	· · · · · · · · · · · · · · · · · · ·	
76 South	Main St., Akron, OH 4430	8		Sheet 1 of 2			
2 Plant Davis-Be	esse Nuclear Power Station		Unit		#1		· ·
5501 N. :	SR. 2, Oak Harbor, OH 434	49		Order 200067202			
	Address FirstEnergy Nuclear Opera		Туре	Repair Organizat			
,	· Name						
<u>_5501 N</u>	I. SR. 2, Oak Harbor, OH 4 Address	3449	. A	uthorization No _20			_
				Expiration Date _07,	/17/07		
4 Identification of System	ns DH Cooler 2 Bypass Fl	ow Control Valve	e - DB-DH13/	A - (Subsys049-02)		· · · · · · · · · · · · · · · · · · ·	
5 (a) Applicable Const	ruction Code ASME III CL.2	1971 Edition	no Ado	ienda Coo	de Case r	10	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> I	Edition <u>96</u>	Addenda	Code Case N4	416-3
(c) Design Responsi	bilities First Energy Corp., I	Enertech				<u></u>	
<u> </u>	6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Co	mponent		
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
6" Butterfly Valve	Valtek Inc.	60284.001.1	N/A	DB-DH13A	1988	Replaced	Yes
6" Butterfly Valve	Enertech	11486	N/A	DB-DH13A	2006	Replacement	Yes
HGR-36-HBC-2-H1	HT Grinnell	H1	N/A	N/A	Unk	Repaired	No
	((0004.001.1)	7. Descript	·····	0			·
	service test was performed sa			6) per ECP 03-0579-	UU. Exis	ting bolting mate	<u>11al.</u>
	I was repaired in accordance			erials used are identi	fied and	recorded in the o	rder.
SA (Cont.) ANSI B	31.1 & MSS-SP58 - 1967 EDI	TION OR LATE	<u>R.</u>				
	ι 					····-	
3 Tests Conducted:	Hydrostatic No Pressure <u>NOP</u>	Pneumatic No		inal Operating Pressure Test Temperature N		Other No	
Pressure Relief Va		pu				· .	
Servic	e _N/A		Si	ze N/A			
Openir	ng Pressure N/A		Blo	owdown (if applicable)	N/A		
		a Maria Maia a		· · · · · · · · · · · · · · · · · · ·			
Set Pr	essure and Blowdown Adjustment	s Made Using P	√A				
Set Pro		s Made Using <u>r</u>	<u> //A</u>	(Test Med	ium)		 

	FO	RM NIS-2/NR-1/ <del>NVR-1</del>		
		9. REMARKS	Applicable Manufacturers Data Repor	to be Altached
Enertech		· · · · · · · · · · · · · · · · · · ·		
· · ·				
				·
	CER	TIFICATE OF COMPLIANCE	<u></u>	······
, <u>Richard R. Cockrell</u> eplacement of the items de Code "NR" rules.		statements made in this report to Section XI of the ASME Co		
	f Authorization No. 20	to use the "NR" stamp exp	ires 07/17/07	
Date <u>10-23-06</u>	FENOC (name of repair organiz	allon) Signed	al R Confrage	Q.C
· · · · · · · · · · · · · · · · · · ·	CERTIFIC	ATE OF INSERVICE INSPECTION		·
Iom G. Laps nspectors and certificate of ISB CI of <u>Hartford, (</u> ne best of my knowledge a () of the ASME Code and th	f competency issued by th CI have inspected th ind belief, this repair, mod	e work described in this repor lification or replacement has l	and employed by t on Oct. 24, 2006 and	d state that to
ork described in this repor ersonal injury, property dar	t. Furthermore, neither th	or my employer makes any wa ne undersigned nor my emplo arising from of connected with Lington Corr	yer shall be liable in any m	
	CERT	TIFICATE OF COMPLIANCE		
N/A orrect and the repair, modi he ASME Code and to the I	fication, or replacement o	ne best of my knowledge and If the pressure relief devices on Code "VB" and "NB" rules.		
ational Board Certificate of	f Authorization No. 316	to use the "VR" stamp ex	pires <u>12/13/07</u>	-
				-
ational Board Certificate of		to use the "VR" stamp ex to use the "NR" stamp ex Signed		Q.C
ational Board Certificate of	f Authorization No. 20 FENOC (name of repair organiza	to use the "VR" stamp ex to use the "NR" stamp ex Signed(	pires 07/17/07	- 
ational Board Certificate of	f Authorization No. 20 FENOC (name of regain organiza CERTIFICA	to use the "VR" stamp ex to use the "NR" stamp ex Signed	pires 07/17/07	Q.C
N/A N/A N/A N/A N/A N/A N/A N/A	f Authorization No. 20 FENOC (name of repair organiza CERTIFICA holding a valid c competency issued by th I have inspected the tate that to the best of my	to use the "VR" stamp ex to use the "NR" stamp ex Signed TE OF INSERVICE INSPECTIC ommission issued by the Nati le jurisdiction of <u>OHIO</u> repair, modification or replace ( knowledge and belief, this re	pires 07/17/07 multipliced representative) ON ional Board of Boiler and Pr and employed by ement described in this repr epair, modification or replac	Q.C. essure Vessel ort on ement has been
N/A N/A nspectors and certificate of ISB CI of Hartford, C I/A and si ompleted in accordance will sy signing this certificate, ne epair, modification or replace	f Authorization No. 20 FENOC (name of repair organizat CERTIFICA holding a valid c competency issued by th I have inspected the tate that to the best of my th Section XI of the ASMI either the undersigned no cement described in this r	to use the "VR" stamp ex to use the "NR" stamp ex Signed TE OF INSERVICE INSPECTIC ommission issued by the Nati e jurisdiction of <u>OHIO</u> repair, modification or replace	pires 07/17/07 authorized representative) ON ional Board of Boiler and Pr and employed by ement described in this repo epair, modification or replac rd Inspection Code "VR" an urranty, expressed or implie- he undersigned nor my emp	Q.C. essure Vessel ort on ement has been d "NR" rules. d, concerning the bloyer shall be:
N/A N/A N/A N/A N/A N/A N/A N/A	f Authorization No. 20 FENOC (name of repair organizat CERTIFICA holding a valid c competency issued by th I have inspected the tate that to the best of my th Section XI of the ASMI either the undersigned no cement described in this r	to use the "VR" stamp ex to use the "NR" stamp ex Signed	pires 07/17/07 authorized representative) ON ional Board of Boiler and Pr and employed by ement described in this repo epair, modification or replac rd Inspection Code "VR" an urranty, expressed or implie- he undersigned nor my emp	Q.C. essure Vessel ort on ement has been d "NR" rules. d, concerning the bloyer shall be:

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

#### FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\* As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of \_\_\_\_\_ Manufactured and certified by ight Flow Control Co Services; SL; Brea, CA 928. iname and address of N Certificate Holder) First Energy Corp.; P.O. Box 6100; Johnstown, PA 15907-6100 2 Manufactured for Iname and address of Purchaseri Davis-Besse Plant; 5501 North State Route 2; Oak Harbor, OH 43449 3 Location of installation (name and address) WAK MD21479 Ģ 4 Model No , Series No .. or Type None CRN 1971 No 2 None 5. ASME Code, Section III Division 1; (edition) (attab standa data) (class) (Code Case no ) ٠. 6 6. Pump or velve Permaseat Valve. Nominal Intel size 6 Outlet size (in.) {in.] 7. Material: Body SA-240 Tp. 316 N/A Disk SA-479 Tp. 316 Bolting SA-193 Gr. B8M Bonnet (a) (b) (c) . (d) (e) Cert Nat i Body Bonnet Disk Holder's Board Seriel Seriel Serial Serial No No. No No. No LIY-13609 11486 None None KNG-12983 ation in items 1 through 4

\*Supplemental information in form of lists, skatches or drawings may be used provided (1) size is 8% x {1, (2) infor on this Data Report is included on each sheet (3) each sheet is numbered and the number of sheets is recorded at the d at the top of this form

(12/88)

This form (E00037) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 REPRINT 6/93

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			Certificate	Holder's S	eria! No	11486	
B Design conditions	475psi	350	F or valve (	pressure cla		300	
. (r		ereture)				$\checkmark$	
9. Cold working pressure	psi at 100%	F					
0 Hydrostatic test110	per piek anterander						. psi
1. Remarks: Qty. 1, Enerted	h Project Number 810109	)	· · · · · · · · · · · · · · · · · · ·				
End Cap Mat'l	SA-240 Type 316						
	GERTIFICAT	ION OF DESIGN					7
						20742	
Design Specification certified b	y Thomas R. O'Reilly Ira J. Silverman				Reg. no 🔔	20742	}
Design Report cartified by	Ita J. Silverinan		State	<u>un</u>	Reg no		
		OF COMPLIAN			o the rules f		
of the ASME Code. Section III,	made in this report are correct i Division 1. NL282	end that this pu		conforms t	o the rules t		ion
of the ASME Code. Section III, N Certificate of Authorization N	made in this report are correct i Division 1. N-282 Io. Fnertech, Curtiss-Wright Fil	and that this pu 6 ow Control		conforms t			ion
of the ASME Code. Section III, N Certificate of Authorization N	made in this report are correct of Division 1. N-282 Io. N-285 Enertech, Curtiss-Wright Fil Corp., Commercial Power &	and that this pu 6 ow Control		xpires		1/08	ion
of the ASME Code. Section III, N Certificate of Authorization N	made in this report are correct i Division 1. N-282 Io. Fnertech, Curtiss-Wright Fil	and that this pu 6 ow Control	mp ar valvė	xpires	10/1 EUltu	1/08	ion   
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of the ASME Code. Section III, N Certificate of Authorization N Date <u>3/16/06</u> Name I. the undersigned, holding e v the State or Province of of Structed this pump, or valve, in By signing this certificate, neith	made in this report are correct in Division 1. N-282 Enertech, Curtiss-Wright Fil Corp., Commercial Power & N Cartificate Holderi N Cartificate Holderi CERTIFICATE valid commission issued by th California cticut have accordance with the ASME Context har the inspector nor his emplitute Report. Furthermore, neither damage or a loss of any kind a	and that this pu 26 ow Control & Services OF INSPECTIO Be National Boa 	N Signed A N N do of Boile apump, or v ledge and t Division 1 y warranty, nor his emp onnected w	(suchoriza) (suchoriza) r and Press valve descr ballef, the ( expressed pipyer shall with this insy (40, 4-	10/1 CUUU d represente HSB CT ibad In this Cartificate H or implied, be fiable in pection	1/08 tution tive) Inspectors a Data Report folder has co concerning	and on on- for

FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV As Required			REPAIRS OR RE Code Section XI	PLACE		
Owner FirstEne	rgy Corp.	·	Date	February 11, 200	8		ر بریار این از ا
76 South	Main St., Akron, OH 44308	3	Sheet 1 of 2				
Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
5501 N. S	R. 2, Oak Harbor, OH 434	49		Order# 200067203 Repair Organizati		h No. ate	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			- 4
<u>5501 N</u>	. SR. 2, Oak Harbor, OH 4	3449	A	uthorization No _20		•	
	(MUIGE)			Expiration Date _07/	17/10		
Identification of System	ns DH Cooler 1 Bypass Fl	ow Control Valve	, DB-DH	13B (Sut	osys 049	-02)	_
	uction Code <u>ASME III CL.2</u> a of Section XI Utilized for Repairs pilities <u>FirstEnergy Corp., Er</u>	or Replacements	No Ad 19 <u>95</u> 1 Wright Flow	Edition <u>96</u>	le Case N Addenda		
•	6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Cor	nponent	S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No:	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
- 6" Butterfly Valve	Valtek Inc.	60284.001.2	N/A	DB-DH13B	1988	Replaced	Yes
- 6" Butterfly Valve	Enertech.	11485	N/A	DB-DH13B	2006	Replacement	Yes
ange Bolting Mat'ls	Unknown	Unknown	N/A	N/A	Unk.	Replaced	No
2 - 3/4" x 7 1/2" Studs	Nova Machine Products	H1#732078	N/A	N/A	2005	Replacement	No
2-3/4" Hvy Hex Nuts	Nova Machine Products	HT# 727579	N/A	TC# \$886	2005	Replacement	No
2-3/4" Hvy Hex Nuts	Nova Machine Products Corp.	HI# 727579	N/A	TC# J377	2003	Replacement	No
	(	7. Descript					
	(serial # 60284.001.2) was re						<b>e.</b> 🔬
	at, the existing flange bolting to the existing the leakage test was performed s		to replaced wi	in new polling mate	nais as r	outine maintenan	ice.
VI-2 millar misci vice	c leakage lest was performed s	satisfactory.	······································				÷
		· · ·					
Tests Conducted:	Hydrostatic No Pressure <u>NOP</u>	Pneumatic No	Nom	inal Operating Pressure Test Temperature <u>1</u>		Other No	
Pressure Relief V	•						- <u>i</u> -
Servic	e <u>N/A</u>		Si	ze <u>N/A</u>			_ \$
Openi	ng Pressure <u>N/A</u>		BI	owdown (if applicable)	<u>N/A</u>		
Set Pr	ressure and Blowdown Adjustmen	ts Made Using	V/A	(Tesi Mec	lium)		
				() - A MO			
at	N/A	<u> </u>	(Location)				

B-007 <b>0-5</b>	·			
1	FO	RM NIS-2/NR-1/ <del>NVR-1</del>	an a	
······································		9. REMARKS	Applicable Manufacturers Data Reports to b	e Attached
nertech, (A Div of Curtiss	- Wright Flow Control Cor			
				1 44 1 5
			· · · · · · · · · · · · · · · · · · ·	
		<u></u>		
	CER	TIFICATE OF COMPLIANCE		
Richard R. Cockrell placement of the items de ode "NR" rules.		statements made in this report ar to Section XI of the ASME Code a		
ational Board Certificate c ate <u>02 - 11 - 0 E</u>	· · ·	to use the "NR" stampexpires	07/17/10 Constructed	Q.C
· · ·	CERTIFIC	ATE OF INSERVICE INSPECTION		
Ihomas G. Laps spectors and certificate of SB CI of Hartford, le best of my knowledge a l of the ASME Code and t	f competency issued by th CI have inspected the nd belief, this repair, mod	e work described in this report on lification or replacement has been	and employed by FEB. 14, 2068 and s	tate that to
reigning this partificate n				
ork described in this repor	t. Furthermore, neither th mage or loss of any kind	or my employer makes any warrar ne undersigned nor my employer s arising from of connected with this <u>1 Lecon</u> Commiss	shall be liable in any man s inspection.	ner for any
ork described in this repor ersonal injury, property da	t. Furthermore, neither the mage or loss of any kind	ne undersigned nor my employer arising from of connected with this	shall be liable in any mani s inspection. sions <u>NB93366 N</u> (National Bodie (and endors	ner for any
N/A	t. Furthermore, neither the mage or loss of any kind Signed	ne undersigned nor my employers arising from of connected with this a D	shall be liable in any man s inspection. (National Bodie (met endom and indications and no.)) ef the statements made in	this report ar
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N/A N/A rrect and the repair, mode ate N/A rrect and the repair, mode a ASME Code and to the ational Board Certificate of ational Board Certificate of Ational Bto A	t. Furthermore, neither the mage or loss of any kind Signed	TIFICATE OF COMPLIANCE terester of my knowledge and belie the pressure relief devices desc n Code "VR" and "NR" rules. to use the "VR" stamp expire Signed	shall be liable in any many s inspection. (National Bodie (inclendan (inclendations and no.)) ef the statements made in ribed above conforms to S s <u>12/13/10</u> s <u>07/17/10</u>	this report an Section XI of
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N/A N/A N/A N/A N/A N/A N/A N/A	t. Furthermore, neither the mage or loss of any kind 	TIFICATE OF COMPLIANCE TO USE the "VR" and "NR" rules. To use the "VR" stamp expire to use the "NR" stamp expire Signed TATE OF INSERVICE INSPECTION Commission issued by the Nationa The jurisdiction of OHIO a Trepair, modification or replaceme The version of the replaceme The version of the	shall be liable in any many s inspection. Sions <u>NB93500</u> (Vietnational Bodie (net excern and jurisdictions and rec)) ef the statements made in ribed above conforms to S s <u>12/13/10</u> s <u>07/17/10</u> et representative) I Board of Boiler and Press and employed by int described in this report r, modification or replacen aspection Code "VR" and " inty, expressed or implied, undersigned nor my emplo	this report ar Section XI of O.C. O.C. O.C. On nent has beer fNR" rules. concerning the pyer shall be
N/A N/A N/A N/A N/A N/A N/A N/A	t. Furthermore, neither the mage or loss of any kind 	TIFICATE OF COMPLIANCE TO USE the "VR" stamp expire to use the "VR" stamp expire to use the "NR" stamp expire Signed TO HINSERVICE INSPECTION Commission issued by the Nationa the jurisdiction of OHIO to of my employer makes any warrar report. Furthermore, neither the u to damage or loss of any kind arisin	shall be liable in any many s inspection. Sions <u>NB93500</u> (Netheral Body (net exclanation and jurisdictors and rec)) ef the statements made in ribed above conforms to S s <u>12/13/10</u> s <u>07/17/10</u> et representative) I Board of Boiler and Press and employed by int described in this report r, modification or replacen haspection Code "VR" and " inty, expressed or implied, undersigned nor my emplo- ing from or connected with	this report ar Section XI of O.C. O.C. O.C. On nent has beer fNR" rules. concerning the pyer shall be
N/A N/A N/A N/A N/A N/A N/A N/A	t. Furthermore, neither the mage or loss of any kind 	TIFICATE OF COMPLIANCE TIFICATE OF COMPLIANCE TIFICATE OF COMPLIANCE TO be best of my knowledge and belie of the pressure relief devices desc on Code "VR" and "NR" rules. to use the "VR" stamp expire to use the "NR" stamp expire Signed TATE OF INSERVICE INSPECTION Commission issued by the Nationa the jurisdiction of OHIO at repair, modification or replaceme y knowledge and belief, this repail E Code and the National Board Ir or my employer makes any warrar report. Furthermore, neither the u t damage or loss of any kind arisin	shall be liable in any many s inspection. Sions <u>NB93500</u> (Netheral Body (net exclanation and jurisdictors and rec)) ef the statements made in ribed above conforms to S s <u>12/13/10</u> s <u>07/17/10</u> et representative) I Board of Boiler and Press and employed by int described in this report r, modification or replacen haspection Code "VR" and " inty, expressed or implied, undersigned nor my emplo- ing from or connected with	this report an Section XI of Q.C. Q.C.

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

> R 20F2 C 2-11-08 FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\* As Required by the Provisions of the ASME Code, Section III, Division 1 Pg<del>: 1 o</del> 1 Manufactured and certified by Enertech, A Div. of Curtiss-Wright Flow Control Corp. commercial Power & Services; 2950 Birch SL; Brea, CA 92821 (name and addres of N Certificate Holder) First Energy Corp.; P.O. Box 6100 Johnstown, PA 15907-6100 2. Manufactured for Iname and address of Purchaser) Davis-Besse Plant; 5501 North State Route 2; Oak Harbor, OH 43449 3. Location of installation Iname and addr WAK MD21478 F None 4. Model No , Series No. or Type CRN. Rev vinc 1971 No 2 None 5. ASME Code. Section III, Division 1: (class) (edition) (addonda da (Code Case no ) 6 6. Pump or valve Permaseat Valve 6 Nominal inlet size **Outlet** size (in.) (in.) 7. Material: Body SA-240 Tp. 316 N/A SA-479 Tp. 316 SA-193 Gr. B8M Disk Bolting (a) (b) (c) (d) (e) Cert. Nat'l Body Bonnet Disk Holder's Board Serial Serial Serial Serial No No. No No. No 11485 None LIY-13606 None KNG-12980

\* Supplemental information in form of lists sketches, or drawings may be used provided (1) size is 8 % × 11, (2) information in items 1 through 4 on this Date Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form

(12/88)

This form [E00037] may be obtained from the Order Dept. ASME 22 Low Drive. Box 2300. Fairfield. NJ 07007-2300 REPRINT 6/83

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FORM NPV-1 (Back - Pg. 2 of)	
Certificate Holder's Serial No	11485
3. Design conditions 475 psi 350 °F or valve pressure class	300
9. Cold working pressure 720 psi at 100°F	
D. Hydrostatic test psi Disk differential test pressure	
1. Remarks: Qty. 1, Enertech Project Number 810109	
End Cap Mat'l: SA-240 Type 316	
CERTIFICATION OF DESIGN	
Design Specification certified by Thomas R. O'Reilly, Jr P.E. State MD Reg. r Design Report certified by Ira J. Silverman P E. State CA Reg. r	22244
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and that this pump or valve conforms to the ru of the ASME Code. Section III, Division 1.	
We certify that the statements made in this report are correct and that this pump or valve conforms to the ru of the ASME Code. Section III, Division 1. N Certificate of Authorization No	ules for construction
We certify that the statements made in this report are correct and that this pump or valve conforms to the rule of the ASME Code. Section III, Division 1. N Certificate of Authorization No Enertech, Curtiss-Wright Flow Control Corr Commercial Power & Septices	
We certify that the statements made in this report are correct and that this pump or valve conforms to the ru of the ASME Code. Section III, Division 1. N Certificate of Authorization No	10/11/08 hetaless
We certify that the statements made in this report are correct and that this pump or valve conforms to the rule of the ASME Code. Section III, Division 1. N Certificate of Authorization NoN-2826 Enertech, Curtiss-Wright Flow Control DateCorp., Commercial Power & Services Signed Authority	10/11/08 hetaless
We certify that the statements made in this report are correct and that this pump or valve conforms to the rule of the ASME Code. Section III, Division 1. N Certificate of Authorization NoN-2826 Enertech, Curtiss-Wright Flow Control DateCorp., Commercial Power & Services Signed Authority	10/11/08 hetaless
We certify that the statements made in this report are correct and that this pump or valve conforms to the rule of the ASME Code. Section III, Division 1. N Certificate of Authorization NoN-2826 Enertech, Curtiss-Wright Flow Control DateCorp., Commercial Power & Services Signed Authority	10/11/08 hetaless
We certify that the statements made in this report are correct and that this pump or valve conforms to the ru of the ASME Code. Section III, Division 1. N Certificate of Authorization No. Enertech, Curtiss-Wright Flow Control Date	10/11/08 Actulest sentative)
We certify that the statements made in this report are correct and that this pump or valve conforms to the rule of the ASME Code. Section III, Division 1. N Certificate of Authorization No	10/11/08 Helefers sentative) ssel inspectors an
We certify that the statements made in this report are correct and that this pump or valve conforms to the rule of the ASME Code. Section III, Division 1. N Certificate of Authorization No	10/11/08 Metallary sentative) ssel inspectors and GCT this Data Report o
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We certify that the statements made in this report are correct and that this pump or valve conforms to the rule of the ASME Code. Section III, Division 1. N Certificate of Authorization No	10/11/08 Autulest sentativa) sentativa Sectors and CT this Data Report o ate Holder has con- lied, concerning th le in any manner for
We certify that the statements made in this report are correct and that this pump or valve conforms to the ru of the ASME Code. Section III, Division 1. N Certificate of Authorization No. Date	10/11/08 Autulest sentativa) sentativa Sectors and CT this Data Report o ate Holder has con- lied, concerning th le in any manner for

(1) For manually operated values only.

DB-0070-5	·						
FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV				PLACE	EMENTS	-
	As Required t	by the Provisions	of the ASME	Code Section XI			
1. Owner FirstEne	rgy Corp.		Date	March 20, 2008			I
_76 South	Main St., Akron, OH 44308			Sheet 1 of 2			•
	sse Nuclear Power Station		Unit		#1		· .
<u>5501 N. S</u>	Name SR. 2, Oak Harbor, OH 4344	9 0		Order# 200067204		· · · ·	_
3 Work Performed by	FirstEnergy Nuclear Operat	ting Co.	Туре	Repair Organizat	ion P.O. No., Jo	b No., etc.	
5501 N	Nam <sup>®</sup> . SR. 2, Oak Harbor, OH 43	449	A	uthorization No. 20		·	(4)
	Address	·····		Expiration Date _07.			
4. Identification of System	ns' DH Cooler 2 Outlet Con	trol Valve	DB-DH14A		osys 049-	-02)	-
					_		
5 (a) Applicable Constr	uction Code ASME III CL.2	1971 Edition	No Add	lenda Coo	de Case N	ŇO	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition <u>96</u>	Addenda	Code Case No	-
(c) Design Responsit	pilitiesFirstEnergy Corp., En	ertech		•		<u> </u>	
	6. Identification of Compo	nents Repaired	or Replaced a	nd Replacement Co	mponent	S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
10" Butterfly Valve	Valtek Inc.	60284.002.1	N/A	DB-DH14A	1988	Replaced	Yes
10" Butterfly Valve	Enertech	11487	N/A	DB-DH14A	2006	Replacement	Yes
Flange Bolting Material	Unknown	Unknown	N/A	<u>N/A</u>	Unk.	Replaced	No
16 -1" x 10' Studs	Nova Machine Products	HT# G8418	N/A	<u>N/A</u>	2005	Replacement	No 🛼
32 - 1" Hvy Hex Nuts	Nova Machine Products Corp.	HT# 726125	N/A	<u>N/A</u>	2003	Replacement	No
		7. Descript	ion of Work		<u></u>	·	·····
During routine mainten	ance butterfly valve (serial # 6	·		a new butterfly val	ve (seria	1 # 11487).	
	at, all flange bolting materials					·····	
A VT-2 initial inservice	e test was performed satisfacto	<u>гу</u>					
							-ndt
· · · · · · · · · · · · · · · · · · ·							<u></u>
8 Tests Conducted:	Hydrostatic No	Pneumatic No		inal Operating Pressure		Other No	· · · · · · · · · · · · · · · · · · ·
Pressure Relief Va	Pressure <u>220</u> alves:	psi		Test Temperature	100	°F	, - 
Servic	• N/A		Si	ze N/A		•	•
Openi	ng Pressure N/A		Bl	owdown (if applicable)	N/A		-
	essure and Blowdown Adjustments	Made Using	<u>N/A</u>			······································	_
at _ <u>1</u>	V/A			(Test Me	aum)		
NOTE: Supplemental st	peats in the form of lists existence	or drawings mouth	(Location)	d (1) size is 8 14 V 11 3		mation in itoms 1 th	
this report is included on e	neets in the form of lists, sketches, ach sheet, and (30 each sheet is n	umbered and the n	umber of sheet	s is recorded at the top	of this fo	manon in rems i u m.	

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
Applicabile Manufacturere Data Reports to be Attached 9. REMARKS
Enertech., A Div of Curtiss Wright Flow Control Corp.
924
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No 20 to use the "NR" stamp expires07/17/10
Date 0.3-20-08 FENOC Signed Julian & Colonie Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I.       Ibomas G. Laps.       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CI       have inspected the work described in this report on       MARCH 20,2000 and state that to         the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section       XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date 3/20 08 Signed Thomas I top Commissions NB9330 N I A Consecutive (Netional Consecutive) and justicidents and roll)
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No 20 to use the "NR" stamp expires 07/17/10
Dete EENOC Signed
Date FENOC Signed Q.C. (nume of repair argumentation) (subtorized representative) (subtorized representative)
Image: N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CI       of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be and liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Data
Date Signed Commissions

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978 Page 71 of 238

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	FORM NPV-1 C As R					R NUCLEAR P le, Section III.		
				· ·		┽╼┈╼━╍┈		.9.101
1	Manufactured and ce	ertified byEn	artech, A Div. of C			Commercial Power & Se ts of N Certificate Ho		ch SL; Brea, GA 92821
2	Manufactured for 🔔	Firs	t Energy C			Johnstown, P	A 15907-	6100
		David	-Racea Pi		and address North Stat	te Route 2; Oa	k Harbor	014 42440
3.	Location of installation	onDavi	-06336 11	ant, 0001	Iname and		K Haloui,	011 43449
4	Model No , Series No	, or Type	WAK	Drawing _	MD214	80 Rev	F	CRN_None
5.	ASME Code, Section	111, Division 1:	1971		No		2 ~	None
6	Pump or valve Perm	naseat Valve	ledition	•	(addenda dat 10 (in.)	(cla Outlet size	10	(Code Case no.)
-	Material: Body SA	-240 Tp. 316	Bennet	N/A		SA-479 Tp. 31		SA-193 Gr. B8M
1.	Material: Body		Donnet		Disk	V	Boiting	V
	(a)	(b)		(c)		(d)		(e)
	Cert	Nat 1		Body		Bonnet		Disk
	Holder's	Board		Seria	i i	Serial		Serial
	Serial No.	No		No	• •	No		No
	11487	None		LIZ-136	507	None		KNG-12981
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"Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8% × 11, (2) information in items 1 through 4 on this Date Report is included on each sheat. (3) each sheat is numbered and the number of sheats is recorded at the top of this form

(12/88)

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FORM NPV-1 (Back - Pg. 2 of 2) 11487 ficate Holder's Serial 475 350 300 8. Design conditio pressure clas (1) pressure 720 psi at 100°F 9. Cold working pressure 1100 10 Hydrostatic test psi Disk differential test pressure 11 Remarks: Oty. 1, Enertech Project Number 810109 End Cap Mat'l: SA-240 Type 316 CERTIFICATION OF DESIGN Thomas R. O'Reilly, Jr. 20742 MD Design Specification certified by P.E. St. Ira J. Silverman 23241 CA Design Report certified by P.E. Sta Reg no CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this pump valve conforms to the rules for construction of the ASME Code. Section III. Division 1. N-2826 10/11/08 N Certificate of Authorization No. Enertech, Curtiss-Wright Flow Control Corp., Commercial Power & Services Date Sig (N Certificate Holder) (authorized representative) CERTIFICATE OF INSPECTION I, the undersigned holding a valid commission issued by the National Board California and amples of Boiler and Pressu ectors and the State or Province o and employ ad bu Connecticut have inspected the pump. or valve, described in this Data Report on DQ and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump. or valve, in accordance with the ASME Code. Section III, Division 1 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector not his employer shall be liable in any manner for ated with this inspection any personal injury or property damage or a loss of any kind arising from or conr 4152<u>6</u> Reig [Nat']. Bd. (incl. endorsements) and state or prov. and no ] 1Auth d inenector

(1) For manually operated valves only.

Owner FirstEner	gy Corp.		Date	March 6, 2008			
	Name		Date	· · · · · · · · · · · · · · · · · · ·			<u> </u>
76 South	Main St., Akron, OH_44308			Sheet 1 of 2			
Plant Davis-Bes	se Nuclear Power Station		Unit		#1		
5501 N. S	R. 2, Oak Harbor, OH 4344	9		Order # 200067205 Repair Organizati	on P.O. No., Jo	b No., etc.	
Work Performed by	FirstEnergy Nuclear Operat	ing Co.	Туре	Code Stamp <u>NR</u>	<u> </u>		
_5501_N	SR. 2. Oak Harbor, OH 43	449	A	thorization No 20			
				Expiration Date _07/	17/10		
Identification of System	ns DH Cooler 1 Outlet Flow	w control	DB-DH14E	(S	ubsys 04	9-02)	
(a) Applicable Constr	uction Code ASME III CL.2	1971 Edition	No Add	lenda Coo	le Case N	lo —	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	dition <u>96</u> A	Addenda	Code Case No	, ·
(c) Design Responsit	ilitiesFirst Energy Corp, En	ertech (Curtiss-V	Vright_flow_Co			· ·	
	6. Identification of Compo	nents Repaired	or Replaced a	nd Replacement Cor			
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No	Year. Built	Repaired Replaced or Replacement	ASME Code Stampe
0" Butterfly Valve	Valtek Inc.	60284.002.2	N/A	DB-DH14B	1988	Replaced	Yes
" Butterfly Valve	Enertech	S/N: 11488	N/A	DB-DH14B	2006	Replacement	Yes
5-1"x 10" Studs	Nova Machine Products	HT#G8418	N/A	TC#R609	2005	Replacement	No
4-1 Nut-Hex Hvy.	Nova Machine Products Corp	HT#716864	N/A	N/A	2003	Replacement	No
1" Nut-Hex Hvy.	Nova Machine ProductsCorp.	HT#726125	N/A	N/A	2003	Replacement	No
ange Bolting Mat'l	Unknown	Unknown 7. Descript	N/A	N/A	Unk.	Replaced.	No
uring valve change ou	(serial# 60284.002.2) was rep at, the existing flange bolting n b leakage test was performed s	naterials were als					
Tests Conducted: Pressure Relief Va Servic	e <u>N/A</u>	Pneumatic No	Si:		101	Other No	<u></u>
-	ng Pressure <u>N/A</u>	- 14- 1- 12 1	t	owdown (if applicable)	<u>N/A</u>	····	
. Set Pr	essure and Blowdown Adjustment	s Made Using	<u>N/A</u>	(Test Med	6um)		

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DB-0070-5
FORM NIS-2/NR-1/NVR-1
9. REMARKS
Enertech (Curtiss-Wright Flow Control Corp.)
CERTIFICATE OF COMPLIANCE
I, Lynn R. Wagner , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires07/17/10
Date 03-06-08 FENOC Signed Lynn R. Wagner Q.C.
(raime or repeir organization)
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and certificate of competency issued by the jurisdiction of Hartford, CI       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         HSB CI       of       Hartford, CI       have inspected the work described in this report on Macch Completed in accordance with Section         the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section       No         XI of the ASME Code and the National Board Inspection Code "NR" rules.       Holding a valid commission issued by the National Board of Boiler and Pressure Vessel
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 3/6/08 Signed Themes Bard and any commissions NB 9330 NT T A Commissions AB 9330 NT T A Commissions and purfections and purfect and any manner for any commissions and purfect any commissions and purfect any purfect and any manner for any commissions and purfect any commissions and purfect any commissions and purfect any commissions and purfect any purfect and any commissions and purfect any commissions and purfect any commissions and purfect any commissions and purfect any purfect any commissions and purfect any purfect any commissions and purfect any purfect any purfect any commissions and purfect any purfect any commissions and purfect any purfect
CERTIFICATE OF COMPLIANCE
I, N/A , certify that to the best of my knowledge and belief the statements made in this report are
correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date <u>FENOC</u> Signed <u>Q.C.</u>
CERTIFICATE OF INSERVICE INSPECTION
I, <u>N/A</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hautford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall better liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
Date CURTINISSIONS (Inspector) (National Board (ind enconsenients), and jurisdictions and no j)
a na portocana ( GL 10 ))

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	1				UMPS OR VALVES*
, , ,	As Re	equired by the Pro	visions of the ASN	IE Code, Section III,	Division 1 Pg. 1 of
	<ol> <li>Manufactured and cer</li> <li>Manufactured for</li> </ol>		(name at rgy Corp.; P.O. Bo	nd address of N Certificate H x 6100; Johnstown, F	
		Dovie Roc		address of Purchaser) th State Route 2; Oa	k Hother OH 42440
	<ol> <li>Location of Installatio</li> <li>Model No., Series No</li> </ol>		()	name and address) 1021481 Rev	K CRN None
	5. ASME Code, Section	III. Division 1:	1971	No	2 None
			(edition) (add		Iss) (Code Case no )
	6. Pump or valve Perm		nal inlet size1 (ir		10
	7 Material: Body <u>SA</u>	-240 Tp. 316 Bonn	etN/A	Disk SA-479 Tp. 3	Bolting SA-193 Gr. B8M
	. (a) Cert	(b) Nat'i	(c) Body	(d) Bonnet	(e) Disk
	Holder's	Board	Serial	Serial	Serial
	Serial No.	<sup>7</sup> No.	No.	No	No.
,				None	LNF-16584
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\* Supplemental information in form of lists, sketchas, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form



This form (E00037) may be obtained from the Order Dept , ASME, 22 Lew Drive, Box 2300 Fairfield. NJ 07007-2300. REPRINT 6/83

Page 76 of 238

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Design conditions	475	asi 350	PF or val	ve pressure class	300	(1)
	(pressure) 720	ltemperatur				
Cold working pressure	120	psi at 100°F		:		1
Hydrostatic test11(	00 psi. D	isk differential test p	pressure		······································	psi
Remarks: Qty. 1, Enerte	ch Project Nu	nber 810109				
End Cap Mat	SA-479 Type	316				·
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		CERTIFICATION C	DF DESIGN			_
	Thomas	s R. Ó'Reilly, Jr.		MD	00740	
esign Specification certified i esign Report cartified by		Silverman	P.E. State _ P.E. State _	HDReg. CAReg.	22244	-
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the ASME Code, Section III, Certificate of Authorization I	made in this rep Division 1. No Enertech, Cur Corp., Comm	ort are correct and th N-2826	nat this pump or ve		10/11/08 tey	- -
the ASME Code, Section III, Certificate of Authorization I	made in this rep Division 1. No Enertech, Cur Corp., Comm	ort are correct and th N-2826 tiss-Wright Flow C ercial Power & Ser	nat this pump or ve	Expires	10/11/08 tey	- -
the ASME Code, Section III, Certificate of Authorization I	made in this rep Division 1. No Enertech, Cur Corp., Comm	ort are correct and th N-2826 tiss-Wright Flow C ercial Power & Ser	ontrol vices Signed	Expires	10/11/08 tey	n 
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As Required	by the Provisions	OI THE ASME				
			Code Section XI			u*.
ergy Corp.		Date	November 20, 20	07		
Name	,		Short 1 of 7			51 15
Address			Sheet 1 of 2		·	,
Sesse Nuclear Power Station		Unit		#1		····
SR. 2, Oak Harbor, OH 4344	19		Order # 200099433 Repair Organizat	ian P.O. No., Ja	b No., etc.	
FirstEnergy Nuclear Operat	ting Co.	Туре	Code Stamp <u>NR</u>			
N. SR. 2, Oak Harbor, OH 43	449	A	uthorization No 20			
			Expiration Date _ 07/	17/10		
ms Decay Heat Pump 1 Inje	ection Line Relief	f Valve - DB-	DH1529- (SUBSYS	049-02)		
struction Code ASME III CL.2	1971 Edition	W72.4	Addenda Coc	ie Case N		
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6. Identification of Compo	onents Repaired of	or Replaced a	nd Replacement Cor	nponent	s	
Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
J.F. Lonergan	304400-14-1	N/A	DB-DH1529	1975	Replaced	yes
Anderson Greenwood Crosby	N99716-00- 0001	N/A	DB-DH1529	2006	Replacement	Yes
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	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			<u> </u>
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	7. Descript	ion of Work	· · · · · · · · · · · · · · · · · · ·		·	0 es 1999
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	atisfactory					235 
te teakage test was performed s						
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Hydrostatic No Pressure <u>188</u>	Pneumatic No	Nom			Other No °F	
	<u>'</u>			<b></b>		
	s Made Usino		owdown (ir applicadie)	<u>N/A</u>	<u></u>	
	- made Using	<u>WA</u>	(Test Med	ium)		
N/A						:
	Besse Nuclear Power Station         Name         SR. 2, Oak Harbor, OH 4344         Advisa         FirstEnergy Nuclear Opera         N. SR. 2, Oak Harbor, OH 43         Advisa         InstEnergy Nuclear Opera         N. SR. 2, Oak Harbor, OH 43         Advisa         Imme         Decay Heat Pump 1 Inje         struction Code _ ASME III CL.2         on of Section XI Utilized for Repairs         sibilities _ FirstEnergy Corp., Ar         6.       Identification of Compo         Name of Manufacturer	Name         SR. 2, Oak Harbor, OH 43449         Address         FirstEnergy Nuclear Operating Co.         N. SR. 2, Oak Harbor, OH 43449         Address         ems       Decay Heat Pump 1 Injection Line Relier         struction Code       ASME III CL.2       1971 Edition         on of Section XI Utilized for Repairs or Replacements       sibilities       FirstEnergy Corp., Anderson Greenwood         6.       Identification of Components Repaired of       Manufacturer's Serial No.         J.F. Lonergan       304400-14-1         Anderson Greenwood Crosby       N99716-00-         001       001         To bescript       Serial No.         Streial # 304400-14-1)       was replaced with (Serial is the replacements.         ice leakage test was performed satisfactory.       Hydrostatic No         Pressure       I88       psi         Valves:       psi         Vice       N/A         Pressure and Blowdown Adjustments Made Using       I	Besse Nuclear Power Station       Unit         NSR. 2, Oak Harbor, OH 43449	Resse Nuclear Power Station       Unit         Itema       Order # 200099433         SR 2, Oak Harbor, OH 43449       Type Code Stamp NR         FirstEnergy Nuclear Operating Co.       Type Code Stamp NR         N.SR. 2, Oak Harbor, OH 43449       Authorization No 20         EristEnergy Nuclear Operating Co.       Type Code Stamp NR         N.SR. 2, Oak Harbor, OH 43449       Authorization No 20         Expiration Date       0/1         erns       Decay Heat Pump 1 Injection Line Relief Valve - DB-DH1529 - (SUBSYS)         struction Code       ASME III CL.2       1971 Edition       W72 Addenda       Code         on of Section XI Utilized for Repairs or Replacements       19       95       Edition	Besse Nuclear Power Station       Unit       #1         SR. 2, Oak Harbor, OH 43449       Order # 20009433         Assar       Read Operating Co.       Type Code Stamp NR         FirstEnergy Nuclear Operating Co.       Type Code Stamp NR       0         N.SR. 2, Oak Harbor, OH 43449       Authorization No 20       Exciration Date 07/17/10         erns       Decay Heat Pump 1 Injection Line Relief Valve - DB-DH1529 - (SUBSYS 049-02)         struction Code       ASME III CL 2       1971 Edition       W72 Addenda       Code Case N         on of Section XI Utilized for Repairs or Replacements       19 95       Edition 96       Addenda         sibilities       FirstEnergy Corp., Anderson Greenwood Crosby       9       Edition 10       Particular         Name of Manufacturer       Manufacturer's National Board No       Other Identification/ Yeer Built       11         J.F. Lonergan       304400-14-1       N/A       DB-DH1529       1975         Anderson Greenwood Crosby       N99716-00-       N/A       DB-DH1529       2006         0001       Indentification /       Yeer       State       1975         Anderson Greenwood Crosby       N99716-00-       N/A       DB-DH1529       2006         0001       Indentification /       Pressure 188       Indentifica	tesse Nuclear Power Station       Unit       #1         .SR. 2, Oak Harbor, OH 43449       Order # 200099433

DB-0070-5 FORM NIS-2/NR-1/NVR-1 9. REMARKS Anderson Greenwood Crosby. CERTIFICATE OF COMPLIANCE Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. National Board Certificate of Authorization No. \_20 \_\_ to use the "NR" stamp expires 07/17/10 Date 11-20-07 FENOC Signed CERTIFICATE OF INSERVICE INSPECTION Tom G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel 1. Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by of Hartford, CI have inspected the work described in this report on Nov. 27, 2007 and state that to HSB CT the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. OHHO Signed Date Commissions CONP CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statements made in this report are N/A 1. correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of 30 the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 FENOC Q.C. Date Signed CERTIFICATE OF INSERVICE INSPECTION N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by HSB CI of Hartford, CT have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall being liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection Date Signed Commissions (National Board (incl e

and the second sec		* CORR	ec. TET) C C44C-1 // neet 1 of 2 /	opy
				Islat
		Q	.C44C-1	alalar
		51 	leet I of 2	2/8/06
FOR	M NV-1 FOR SAFETY AND SAFET As required by the Provisions of the AS		E	2/9/07
	As required by the Provisions of the AS	IVIE COUC RINES		•
	DATA REPORT			
Manufactured By	Anderson Greenwood Crosby, 43 Ke	ndrick St., Wrentham, MA 02093	<u></u>	
	Name and			
Model No. JLI-JBS-35-5 C	Order No. U967720000 Contract Date	IU/19/05 National Board No.		
	FIRST ENERGY CORP.	Order No. 451	71850	
	Name and Address			
3. Оwner	FIRST ENERGY C	ORP.		
L Location of Plant	Name and Addre DAVIS B	ESSE		
		·¥	pes	2/9/07
. Valve Identification	DH1529 Serial No. N99716-0	0-0001 Drawing No. DS-C-9971	6 REV R C	- lohin
Safety, Safety Relief, Safety Relief, Safety Safety Relief, Safety Relief, Safety Relief, Set Pressure (PSIG)	RELIEF         Orifice Size         0.665           Pilot, Power Actuated         Inch           450         1000000000000000000000000000000000000	₩ <u>-250</u> -280	Inch F	
Safety, Safety Relief, Set Pressure (PSIG)	Pilot, Power Actuated Inch 450 wATER@ 70 DEG.F_@_10% % Overpress	Rated Temperature Rated Temperature sure	$ \begin{array}{c}                                     $	NA- 8-06 12-8-06
5. Set Pressure (PSIG)	Pilot, Power Actuated Inch 450 wATER@ 70 DEG.F @ 10% % Overpress t1100Complete Value	<u>7 -250 280</u> Rated Temperature sure – Blowdown (psig)1	°F ET 8=>EC-06 0% * h	NK 8.00 12-8.00 12-8.00
5. Set Pressure (PSIG) Stamped Capacity 193 GPM V V*trostatic Test (PSIG) Inle	450 wATER@70 DEG.F_@_10% % Overpress tComplete Value	T         -250         280           Rated Temperature         >           sure          Blowdown (psig)            ve          100	F F 8=>EC-06 0% * 1	NT S.OK 12-S.OK
5. Set Pressure (PSIG) Stamped Capacity 193 GPM V V*trostatic Test (PSIG) Inle	450 wATER@70 DEG.F_@_10% % Overpress tComplete Value	T         -250         280           Rated Temperature         >           sure          Blowdown (psig)            ve          100	F F 8=>EC-06 0% * 1	NL 8-06 12-8-06 12-8-01
Set Pressure (PSIG) Stamped Capacity 193 GPM V 1 <sup>x</sup> -trostatic Test (PSIG) Inle	450 water@70 deg.f @ 10% % Overpres	T         -250         280           Rated Temperature         >           sure          Blowdown (psig)            ve          100	F F 8=>EC-06 0% * 1	NA - 8-06- 12-8-01-
Set Pressure (PSIG) Stamped Capacity 193 GPM V 1 <sup>x</sup> -trostatic Test (PSIG) Inle	450 WATER @ 70 DEG.F @ 10% % Overpress t Complete Value action and workmanship comply with AS 1971 Addenda Date	T         -250         280           Rated Temperature         >           sure          Blowdown (psig)            ve          100	F F 8=>EC-06 0% * 1	NL 8.06 12-8.01 ANI
5. Set Pressure (PSIG) Stamped Capacity 1*irostatic Test (PSIG) Inle The material, design, constru ClassEdition	450 WATER @ 70 DEG.F @ 10% % Overpress t Complete Value action and workmanship comply with AS 1971 Addenda Date	T         -250         280           Rated Temperature         >           sure          Blowdown (psig)            ve          100	F F 8=>EC-06 0% * 1	RF 8-06 12-8-06
5. Set Pressure (PSIG) Stamped Capacity 1*irostatic Test (PSIG) Inle The material, design, constru ClassEdition	450 WATER @ 70 DEG.F @ 10% % Overpress t Complete Valve action and workmanship comply with AS 1971 Addenda Date ure Retaining Components	$\frac{7}{250-280}$ Rated Temperature $\gg$ sure $\_$ Blowdown (psig) $\_$ 1 $\frac{100}{ME Code, Section III}$ $\frac{1972}{1972}$ WIN TER $\frac{1974}{2}$ Case No. $\_$ 1 $\frac{1972}{2}$	• F Er 8=5EC-06 0% * h	12-8-010 12-8-011
5. Set Pressure (PSIG) Stamped Capacity F <sup>*i</sup> tostatic Test (PSIG) Inlet The material, design, constru Class Pressure Containing or Press	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value action and workmanship comply with AS 1971 Addenda Date are Retaining Components Serial No.	$\frac{7}{250-280}$ Rated Temperature = 280 sure - Blowdown (psig) re 100 ME Code, Section III 2/2 WIN TER +974 Case No $\frac{1972}{1972}$ Material Specification	• F Er 8=5EC-06 0% * h	NA 8-01- 12-8-01-
Set Pressure (PSIG) Stamped Capacity I <sup>*</sup> trostatic Test (PSIG) Inlet The material, design, constru Class Edition Pressure Containing or Press a. Castings	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value inction and workmanship comply with AS 1971 Addenda Date ure Retaining Components Serial No. Identification	P     -250     280       Rated Temperature     P       sure     Blowdown (psig)     1       re     100       ME Code, Section III.     1972       1972     2/9       WIN TER 1971     Case No.       1     7       r     7       p     r       Naterial Specification       Including Type or Grade	• F Er 8=5EC-06 0% * h	82 8.0b 12-8.0b
Set Pressure (PSIG) Stamped Capacity I <sup>x</sup> icostatic Iest (PSIG) Inlet The material, design, constru Class Edition Pressure Containing or Press a. Castings Body	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value inction and workmanship comply with AS: 1971 Addenda Date ure Retaining Components Serial No. Identification N900159-32-0003	P     -250     280       Rated Temperature     Sure     Sure       sure     Blowdown (psig)     1       ve     100       ME Code, Section III.     1972       1972     2/9       WIN TER 1974     Case No.       *     1971-51       2     9       Material Specification     Including Type or Grade       ASME SA351 GR. CF8M	• F Er 8=5EC-06 0% * h	85 - 8-06 12-8-06 ANI
Set Pressure (PSIG) Stamped Capacity I <sup>vi</sup> tostatic Iest (PSIG) Inlet The material, design, constru Class Edition Pressure Containing or Press a. Castings Body Bonnet b.Bar Stock and Forgings	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value inction and workmanship comply with AS: 1971 Addenda Date ure Retaining Components Serial No. Identification N900159-32-0003	P     -250     280       Rated Temperature     Sure     Sure       sure     Blowdown (psig)     1       ve     100       ME Code, Section III.     1972       1972     2/9       WIN TER 1974     Case No.       *     1971-51       2     9       Material Specification     Including Type or Grade       ASME SA351 GR. CF8M	• F Er 8=5EC-06 0% * h	RF 8-06 12-8-06 ANI
Set Pressure (PSIG) Stamped Capacity I* itostatic Test (PSIG) Inlet The material, design, constru ClassEdition Pressure Containing or Press a. Castings Body Bonnet b.Bar Stock and Forgings Support Rods	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value inction and workmanship comply with AS: 1971 Addenda Date ure Retaining Components Serial No. Identification N900159-32-0003	P     -250     280       Rated Temperature     P       sure     Blowdown (psig)     1       /e     100       ME Code, Section III.     1972       /1972     1972       WIN TER 1974     Case No.       /f     2/2       Material Specification       Including Type or Grade       ASME SA351 GR. CF8M       ASME SA351 GR. CF8M	• F Er 8=5EC-06 0% * h	RF 8.06 12-8.01 ANI
5. Set Pressure (PSIG) Stamped Capacity 193 GPM V 174rostatic Test (PSIG) Inlet The material, design, constru- Class 2 Edition Pressure Containing or Press a. Castings Body Bonnet b. Bar Stock and Forgings Support Rods Nozzle	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value action and workmanship comply with AS 1971 Addenda Date ure Retaining Components Serial No. Identification N900159-32-0003 N97794-35-0008	P       -250 - 280         Rated Temperature       P         sure       Blowdown (psig)       1         ve       100         ME Code, Section III.       1972       2/9         WIN TER 1971       Case No       1         *       1972       2/9         Material Specification       Including Type or Grade         ASME SA351 GR. CF8M       ASME SA351 GR. CF8M         ASME SA479 TYPE 316	• F Er 8=5EC-06 0% * h	12-8-0b 12-8-0b ANI
5. Set Pressure (PSIG) Stamped Capacity <u>193 GPM V</u> P <sup>*-4</sup> rostatic Test (PSIG) Inlet The material, design, constru- Class <u>2</u> Edition Pressure Containing or Press a. Castings Body Bonnet b. Bar Stock and Forgings Support Rods	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value action and workmanship comply with AS 1971 Addenda Date ure Retaining Components Serial No. Identification N900159-32-0003 N97794-35-0008	P     -250     280       Rated Temperature     P       sure     Blowdown (psig)     1       /e     100       ME Code, Section III.     1972       /1972     1972       WIN TER 1974     Case No.       /f     2/2       Material Specification       Including Type or Grade       ASME SA351 GR. CF8M       ASME SA351 GR. CF8M	• F Er 8=5EC-06 0% * h	82 - 8.0b 12-8.0b 4.11
5. Set Pressure (PSIG) Stamped Capacity9 GPM V V 4 tostatic Test (PSIG) Inlet The material, design, constru Class Edition Pressure Containing or Press a. Castings Body Bonnet b. Bar Stock and Forgings Support Rods Nozzle Disc Insert)	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value inction and workmanship comply with AS: Addenda Date ure Retaining Components Serial No. Identification N900159-32-0003 N97794-35-0008  N97792-33-0005 N97793-NGYC N96827-36-0017	Image: constraint of the section of the sectin of the section of the section of the section of the section of	• F Er 8=5EC-06 0% * h	85. 8.06 12-8.01 Anii
5. Set Pressure (PSIG) Stamped Capacity <u>193 GPM V</u> V <sup>*</sup> 4rostatic Test (PSIG) Inlet 7. The material, design, constru- Class <u>2</u> Edition Pressure Containing or Press a. Castings Body Bonnet b. Bar Stock and Forgings Support Rods Nozzle Disc Insert) Spring Washers	450 wATER @ 70 DEG.F @ 10% % Overpress t	Image: constraint of the section of the sectin of the section of the section of the section of the section of	• F Er 8=5EC-06 0% * h	RF 8-05 12-8-05 ANI
5. Set Pressure (PSIG) Stamped Capacity <u>193 GPM V</u> V <sup>-4</sup> tostatic Test (PSIG) Inlet 7. The material, design, constru- Class <u>2</u> Edition Pressure Containing or Press a. Castings Body Bonnet b. Bar Stock and Forgings Support Rods Nozzle Disc Insert)	450 wATER @ 70 DEG.F @ 10% % Overpress t Complete Value inction and workmanship comply with AS: Addenda Date ure Retaining Components Serial No. Identification N900159-32-0003 N97794-35-0008  N97792-33-0005 N97793-NGYC N96827-36-0017	Image: constraint of the section of the sectin of the section of the section of the section of the section of	• F Er 8=5EC-06 0% * h	RF 3.05 T2-8.05 ANII

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15 RFO Inservice Inspection Summary	
Company 76 South Main SL. ANOIL OILO 41500	
FirstEnergy Nuclear Operating Company, 70 South Main Days Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449	
Commercial Service Date: July 31, 1978	

Commercial Service Date: July

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NV-1 (Back)	Certificate Holder's	Serial No. 1	199716-00-0001		Sheet 2 of 2
j/		NX17034	DET 3-NOV-06	Material Spe Including Typ	e or Grade
c. Spring		- <del>NX17023</del> -0002	11-3 IL	ASIM A313 IY	(PE 316
<ul><li>d. Bolting</li><li>e. Other Parts such :</li></ul>	as Pilot Components		· · ·		
Bonnet Stud		N900163	ASM	E SA564 GR. 63	0
Bonnet Nut	-	-N95763-N99135	ASN	E SA194 GR. 8M	
<u></u>			DET 3-404-0		
			ANI		·
			* <u></u>		
				<u>.</u>	
				·····	
				·	· · · · · · · · · · · · · · · · · · ·
··				<u> </u>	
We certify that the st	atements made in this report				
		Anderson Greenwood Crosb	U		
Date Z-TUN	20 DL Signed		-		· · ·
Date Z-JUN	20 <u>06</u> Signed	Wrentham, MA Manufacturer	By	ETIS	
Date Z-JUN		Wrentham, MA Manufacturer	By,	07	
Date $Z - JUN$ 		Wrentham, MA Manufacturer	-		
	ization No <u>N-1</u> {	Wrentham, MA Manufacturer 878 Expires	By		
	ization No <u>N-1</u> {	Wrentham, MA Manufacturer	By		
	ization No <u>N-18</u> <u>CERTIF</u> ied, holding a valid commission	Wrentham, MA Manufacturer 878 Expires ICATE OF SHOP IN: a issued by the National Board by	By		IS and the
	ization No <u>N-18</u> <u>CERTIF</u> ied, holding a valid commission ce of MA and employed b	Wrentham, MA Manufacturer 878 Expires ICATE OF SHOP IN issued by the National Board by HSB - C1	By		is and the
tificate of Author I, the undersign State or Provin have inspecte	ization No <u>N-18</u> <u>CERTIF</u> ied, holding a valid commission ce of MA and employed h d the equipment described in	Wrentham, MA Manufacturer 878 Expires ICATE OF SHOP IN issued by the National Board by HSB - C1 this Data Report on 6 - 7 - 20 06	By	ssure Vessel Inspecto	
I, the undersign I, the undersign State or Provin have inspecte knowledge am	ization No <u>N-18</u> <u>CERTIF</u> ied, holding a valid commission ce of MA and employed b	Wrentham, MA Manufacturer 878 Expires ICATE OF SHOP IN issued by the National Board by HSB - C1 this Data Report on 6 - 7 - 20 06	By	ssure Vessel Inspecto	
	ization No <u>N-18</u> <u>CERTIF</u> ied, holding a valid commission ce of MA and employed h d the equipment described in d belief, the Manufacturer h	Wrentham, MA         Manufacturer         878       Expires         ICATE OF SHOP IN:         Itissued by the National Board by         HSB - C1         this Data Report ou $\mathcal{L} - 20$ 06         as constructed this equipment         pector nor his employer mains         by the State Report. Furthermo	By	to the best of my with the applicabl y, expressed or im uspector nor his em	e plied, ployer
	ization No. N-18 <u>CERTIF</u> , ied, holding a valid commission ce of MA and employed h d the equipment described in d belief, the Manufacturer hi f ASME Section III. is certificate, neither the Insp ie equipment described in thi e in any manner for any person th this inspection.	Wrentham, MA         Manufacturer         878       Expires         ICATE OF SHOP IN:         a issued by the National Board         by         HSB - C1         this Data Report ou $\mathcal{L} - \mathcal{I} - 20$ as constructed this equipment         pector nor his employer mains         Data Report. Furthermo         onal injury or property data	By	to the best of my with the applicabl y, expressed or im uspector nor his em	e plied, ployer
	ization No. N-18 <u>CERTIF</u> , ied, holding a valid commission ce of MA and employed h d the equipment described in d belief, the Manufacturer hi f ASME Section III. is certificate, neither the Insp ie equipment described in thi e in any manner for any person th this inspection.	Wrentham, MA         Manufacturer         878       Expires         ICATE OF SHOP IN:         a issued by the National Board         https://www.msueducturer         ISSUED OF SHOP IN:         A issued by the National Board         by         HSB - C1         this Data Report on $6 -7 - 20 06$ as constructed this equipment         pector nor his employer mais         Data Report. Furthermo         and injury or property data         MA-1	By <u>30-Sep</u> - Date <u>SPECTION</u> of Boiler and Pres and state that and state that atkes any warrant re, neither the In mage or a loss of 420 A, N, I	to the best of my with the applicabl y, expressed or im uspector nor his em any kind arising fr	e plied, ployer
	ization No. N-18 <u>CERTIF</u> , ied, holding a valid commission ce of MA and employed h d the equipment described in d belief, the Manufacturer hi f ASME Section III. is certificate, neither the Insp ie equipment described in thi e in any manner for any person th this inspection.	Wrentham, MA         Manufacturer         878       Expires         ICATE OF SHOP IN:         a issued by the National Board         https://www.msueducturer         ISSUED OF SHOP IN:         A issued by the National Board         by         HSB - C1         this Data Report on $6 -7 - 20 06$ as constructed this equipment         pector nor his employer mais         Data Report. Furthermo         and injury or property data         MA-1	By <u>30-Sep</u> - Date <u>SPECTION</u> of Boiler and Pres and state that ent in accordance akes any warrant re, neither the Ir nage or a loss of	to the best of my with the applicabl y, expressed or im uspector nor his em any kind arising fr	e plied, ployer

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

DB-0070-4	·	···					
FOR	M NIS-2/NR-1/NVR-1 OV	VNER'S REPO			PLACE	MENTS	
					<del>فاشدا - ( ( ( «, « کر</del>		
1 Owner FirstEner	rgy Corp.		Date	October 3, 2006			·
76 South	Main St., Akron, OH 44308			Sheet 1 of 1			
2. Plant Davis-Be	sse Nuclear Power Station		Unit	<u> </u>	#1		
<u>5501 N. S</u>	SR. 2, Oak Harbor, OH 4344 Address	9	_	Order# 200123859 Repair Organizati	an P.O. No., Jo	b No., etc.	
3 Work Performed by _	FirstEnergy Nuclear Operat	ting_Co	Туре	Code Stamp <u>NR</u>			_
<u>5501 N</u>	. SR. 2, Oak Harbor, OH 43 Address	449	A	uthorization No 20			—
				Expiration Date _07/	17/07		_
4. Identification of System	······································						
5. (a) Applicable Constr	uction CodeASME III CL.2	1971 Edition	No Add		ie Case N	lo	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	dition <u>96</u> A	ddenda	Code Case No	
(c) Design Responsit	bilities First Energy Corp				<u> </u>	·	
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Cor	nponent	S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Flange Bolting	Unknown	Unknown	N/A	N/A	Unk.	Replaced	No
4 - 5/8" x 3 1/4" Studs	Nova Machine Products Corp.	HI# 229801	N/A	DB-CS4	2000	Replacement	No
8 - 5/8" Hvy Hex Nuts	Nova Machine Products Corp.	HT# 718732	N/A	DB-CS4	2000	Replacement	No
	······································	7. Descript					
	was replaced with new, during ge test was performed satisfac		ance as requir	ed by design specifi	cation cl	ange for bolting	material.
A VI-2 Inservice leaka	ge test was performed satisfac	lory.					
				······			
				· · · · · · · · · · · · · · · · · · ·			
		····					
8 Tests Conducted:		Pneumatic No psi		inal Operating Pressure		Other Yes °F	
Pressure Relief Va	alves:						
Servic			Sì				
Openir	ng Pressure N/A	<u> </u>	B	owdown (if applicable)	N/A		_
Set Pr	essure and Blowdown Adjustments	s Made Using 🔡	Ň/A	(Tes! Med	lum)		
at N	λ/A						
NOTE: Supplemental sh	neets in the form of lists, sketches,	or drawinos may h	(Location)	d (1) size is 8 % X 11 ir		mation in items 1 th	
	ach sheet, and (30 each sheet is n						

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DB-0070-4
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/07
Date <u>10-02-06</u> <u>(name of repeti organization)</u> Signed <u>[Julius] 2 (Julius] Q.C.</u>
CERTIFICATE OF INSERVICE INSPECTION
I. <u>Tom G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>CCT. 3, 3eob</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 10/3/2006 Signed Thranes H Reput Commissions NB 9.330 NTE A Other Commissions and protections and protectio
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/07
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/07
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, <u>N/A</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on <u>n/a</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection
Date Signed Commissions
(Inspector) (Nelional Borind (incl endorsements), and jurisdictions and no ))

DB-0070-4							
FORM	I NIS-2/NR-1/ <del>NVR-1</del> OW As Required t	/NER'S REPO			PLACE	EMENTS	
1. Owner FirstEner	gy Corp.		Date	February 20, 200	7		
76 South I	Name Main St., Akron, OH 44308			Sheet 1 of 1			
	avis-Besse Nuclear Power Station				<i>щ</i> л		
2 Plant _Davis-Bes	Name		Unit		#1	· · · ·	-
<u>5501 N. SI</u>	R. 2, Oak Harbor, OH 4344	9	-	Order # 200140451 Repair Organizatio	on P.O. No., Jo	b No., elc.	
3 Work Performed by _]	FirstEnergy Nuclear Operat	ing Co.	Туре	Code Stamp <u>NR</u>			-
_5501 N.	SR. 2, Oak Harbor, OH 43	449	Au	uthorization No. 20			_ 1
				Expiration Date _07/	17/07		_
4 Identification of Systems	s SG 2 Drain Line Isolatio	n Valve - DB-M					_
5 (a) Applicable Constru	uction CodeASME III CL.2_	1971 Edition	S71 Ad	idenda Cod	le Case N	lo	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition <u>96</u> A	ddenda	Code Case No	
(c) Design Responsibi	ilities First Energy Corp, Ve	lan Engineering (	Co		<u></u>	<u> </u>	· · ·
	6. Identification of Compo	nents Repaired c	r Replaced a	nd Replacement Cor	nponent	 S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
4" B.B.Gate Valve	Velan Engineering Co.	0038	N/A	DB-MS603	1973	Repaired	Yes
8 - 5/8" x 3 3/4 ' Studs	Unknown	Unknown	N/A	N/A	Unk.	Replaced	No
8 - 5/8 x 3 3/4" Studs	Nova Machine Products	HT# 224938	N/A	N/A	2005	Replacement	No
		7. Descripti					
	ce on this bolted bonnet gate			oled, refurbished and	reassem	bled. During reason	ssembly,
	re replaced. All other pressure te test was performed satisfact		were reused.	·····	·····		
					·		
	·····				;		
							Ķι
8 Tests Conducted:	Hydrostatic No Pressure <u>850</u>	Pneumatic No psi		nal Operating Pressure Test Temperature		Other No °F	
Pressure Relief Va	lves:	· .					
Service	N/A		Si	ze <u>N/A</u>		· · · · · · · · · · · · · · · · · · ·	_
Openin	g Pressure <u>N/A</u>		Bio	owdown (if applicable)	N/A		
Set Pre	ssure and Blowdown Adjustments	Made Using <u>N</u>	V/A	(Test Med	ium)		-
at N	/A		(Location)	<u> </u>		·····	_
	eets in the form of lists, sketches, ich sheet, and (30 each sheet is n		e used, provide				rough 6 on

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

1.1

DB-0070-4
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I, Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" starpe expires 07/17/07
Date 02-20-07 FENOC Signed Find Colored O.C.
(name of repair organization) (sufficience of representative)
CERTIFICATE OF INSERVICE INSPECTION
I, Tom G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel
HSB CI of Hartford, CI have inspected the work described in this report on FEB. 20, 2007 and state that to
the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules
AT OF THE ASME CODE and the National Board Inspection Code INA Tules
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date 220 2007 Signed Thomas House Commissions NB 9330 NIA COMM
CERTIFICATE OF COMPLIANCE
I, N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No316 to use the "VR" stamp expires 12/13/07
National Board Certificate of Authorization No 20 to use the "NR" stamp expires 07/17/07
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I.       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CT       have inspected the repair, modification or replacement described in this report on         N/A       and state that to the best of my knowledge and belief, this repair, modification or replacement has been         completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(inspector) (National Board (incl endorsements), and jurtsdictions and no ))

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

DB-0070-4		/ NIS-2/NR-1/ <del>NVR-</del> 1 OV			EPAIRS OR RE		MENTS	
			by the Provisions					×
Owner Fir	tEner	gy Corp.		Date	December 2, 2000	5		
76	South )				Sheet 1 of 1			
	<u>ющія 1</u>	Main St., Akron, OH 44308 Aridress	· · · · · · · · · · · · · · · · · · ·		21996 1 01 1			
Plant Da	'is-Bes	se Nuclear Power Station		Unit		#1		
550	1 N. S	R. 2, Oak Harbor, OH 4344	9		Order# 200162515	on P.O. No., Jo	b No., etc.	
Work Performe	iby _	FirstEnergy Nuclear Operat	ting Co.	Туре	Code Stamp			
1					therization No. 00			
	<u>501 N.</u>	SR. 2. Oak Harbor, OH 43	449	A	uthorization No. 20			
					Expiration Date 07/	17/07		_
Identification of	System	s Containment Vent Head	er Relief Valve	-DB-RC769-	(Subsys064-01)		·	
(a) Applicable	Constru	uction Code ASME III CL.2	1971 Edition	No Ad	denda Coo	le Case N	10	
(b) Applicable	Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> (	Edition <u>96</u>	ddenda	Code Case No	<b>)</b>
		lities First Energy Corp						· .
							······································	
		<ol><li>Identification of Composition</li></ol>	onents Repaired	or Replaced a	nd Replacement Cor	nponent	5	
Name of Compor	ent	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
Relief Valve Flg. f	ltg	Unknown	Unknown	N/A	N/A	Unk.	Replaced	No
-5/8" x 4" Studs		Nova Machine Products Corp.	HT# 74896	N/A	N/A	2004	Replacement	No
-5/8 Hvy Hex N	uts	Nova Machine Products Corp.	HI# G8520	N/A	N/A	2005	Replacement	No
		·		······				
								<u> </u>
			7. Descript	ion of Work				
		enace (change out )of relief va			ge bolting was replac	ed with	new.	
		test was completed satisfacto		th				`
1 <b>v</b> 1-2 milia m		test was completed satisfacto	<u>1y.</u>					
		· · · · · · · · · · · · · · · · · · ·						
		·····	····					
Tests Condu	ted:	Hydrostatic No Pressure NOP	Pneumatic No	Nom	inal Operating Pressure		Other Yes	
Pressure R	elief Va		psi		Test Temperature	101	°F	
	Service			Si	ze N/A			
			·····					
	-	ng Pressure <u>N/A</u>			owdown (if applicable)	<u>N/A</u>		****
	361 116	essure and Blowdown Adjustment		<u>N/A</u>	(Test Med	ium)		
	at <u>N</u>	[/A		(Location)				

· )

DB-0070-4
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS Applicable Manufactures Data Reports to be Atlached
<u>N/A</u>
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires07/17/07
Date 12-02-06 FENOC Signed Juhand 12 Course Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, Tom G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of $OHIO$ and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>DEC. B, 2006</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 120 2006 Signed Thomas Honey Honey Commissions MB 9330 NITA Office Commissions (National Board Interdemental).
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/07
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/07
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, <u>N/A</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on <u>N/A</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the
repair, modification or replacement described in this report Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection
Date Signed Commissions

# Page 87 of 238

# 15 RFO Inservice Inspection Summary

DB-0070-4								
``````	FOR	M NIS-2/NR-1/NV/R-1 O As Required	by the Provisions	of the ASME	Code Section XI			
. OwnerFi	irstEne	rgy Corp.		Date	February 26, 200	7		_
						,		
<u>76</u>	<u>South</u>	Main St., Akron, OH 4430	8		Sheet 1 of 1			
rlant Da	avis-Be	esse Nuclear Power Station		Unit		#1	<u> </u>	
_55	501 N. S	SR. 2, Oak Harbor, OH 434	49	-	200189329 Repair Organizati	an P.O. No., J	ob No., etc.	
Work Perform	ned by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>		·	
_	5501 N	I. SR. 2. Oak Harbor, OH 4. Address	3449	A	uthorization No. 20			
					Expiration Date _07/	17/07		
Identification o	of Syster	ns Main Steam Sys - DB-S	SNA411 (SUB SY	(S 083-01)				
(a) Applicabl	le Const	ruction Code ANSI B31.1	1967 Edition	later A	ddenda Coo	le Case Ì	N/A	
		n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> i	Edition <u>1996</u> A	ddende	Code Case N/	A
., ,,			•		Lumon <u>1220</u> F	JUEIIUA		
(c) Design R	responsi	bilities First Energy Corp, L	ISEGA		<u> </u>		<u> </u>	
		6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Compo	onent	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
nubber		LISEGA	61195/53	N/A	M1148/H5	UNK	replaced	N/A
пирры		LISEGA	30500235/095	N/A	M1148/H5	UNK	replacement	N/A
		·	·[			······	·	<u> </u>
						<u> </u>		
			7. Descript					
		61195/53 was replaced with s		0235/095 in h	anger location M114	<u>48/H5.</u>	· · · · · · · · · · · · · · · · · · ·	
(a) cont. Alvoi	1 0 3 1.1	& MSS-SP58 1967 EDITION	VORLAIER					
			······································		<u> </u>			
		······································	•					
		· · · · · · · · · · · · · · · · · · ·						
Tests Condu	uotod:	Hydrostatic No	Pneumatic No	Nam	Inal Operating Pressure	No	Other No	
16313 001101	00100.	Pressure N/A	psi		Test Temperature N		°F	
Pressure P	Relief Va							
	Servic	e <u>N/A</u>		Si	ze <u>N/A</u>			_
	Openi	ng Pressure N/A		B	owdown (if applicable)	N/A		
	•	ressure and Blowdown Adjustmen	ts Made Using	N/A				
	at l	V/A			(Test Med	ium)		
_				(Location)				
		neets in the form of lists, sketches ach sheet, and (30 each sheet is (						rough 6 or

. . . . .

Owner FirstEner	gy Corp.		Date	May 26, 2006			
_76 South	Main St., Akron, OH 44308			Sheet 1 of 1			
Plant Davis-Be	se Nuclear Power Station		Unit		#1		
•	R. 2, Oak Harbor, OH 4344			Order # 200200285 Repair Organizat			
	FirstEnergy Nuclear Operat		Туре	Code Stamp <u>NR</u>			
	Narre SR. 2. Oak Harbor. OH 43		Au	nthorization No. 20			
	Address			Expiration Date _07/			
Identification of System	s Reactor Coolant Pumps,	Motors, & Lift I	ump Support		<u></u>		
(a) Applicable Constr	uction Code ANSI B31.1	1967 Edition	Later A	Addenda Coo	ie Case N	4o	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 95 F	Edition 96	ddenda	Code Case No	)
	ilities First Energy Corp						r Nasi sela
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Co	mponent	s	r
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASM Code Stamp
0 Pipe Supports	First Energy Corp	N/A	N/A	N/A	2006	Repaired	No
							[
	·····						
	L	7. Descript	ion of Mork		l	1	<u> </u>
odified ten small bon	pipe support as required by E				<u>.</u>	······································	
	re recorded in the work order		the design dr.	awings.			
Il supports were visua	lly inspected after installation	by Design Engir	eering and Qu	uality Control.			
a (aant) ANSI B31 1	& MSS-SP58 - 1967 Edition of	or I ater					
.a (cont) Altor 151.1	& M33-51 56 - 1707 Lukion (						
Tests Conducted:	Hydrostatic No Pressure <u>N/A</u>	Pneumatic No		inal Operating Pressum Test Temperature <u>1</u>	,	Other No	
Pressure Relief V						-	
	e <u>N/A</u>		Si	ze <u>N/A</u>		·	
Servic	ng Pressure N/A		Bl	owdown (if applicable)	<u>N/A</u>		
	INTA INTA						
Open	essure and Blowdown Adjustment	s Made Using	N/A	(Tost Me	(jum)		

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nercial Service Date: July 31, 1978
DB-0070-4
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I, Richard R. Cockrell, , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires07/17/07
Date 05-26-06 FENOC Signed (Judichard Reconcile Q.C.
CERTIFICATE OF INSERVICE INSPECTION

I, Tom G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of and employed by оню HSB CT of Hartford, CT have inspected the work described in this report on JUNE 1, 2005 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.

Date Commissions NB9330 N I	A COMM
CERTIFICATE OF COMPLIANCE	
i, N/A , certify that to the best of my knowledge and belief the statements made in the correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Sec the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	is report are stion XI of
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/07	•
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/07	
Date FENOC Signed	Q.C.
CERTIFICATE OF INSERVICE INSPECTION	
I,       N/A       holding a valid commission issued by the National Board of Boiler and Pressue Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by         HSB CI       of       Hartford, CT have inspected the repair, modification or replacement described in this report or and state that to the best of my knowledge and belief, this repair, modification or replacement completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NI By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, correpair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this	ht has been R" rules. Incerning the r shall be
Date Signed Commissions	<u>, (ats)</u>

(

				Code Section XI			
Owner <u>FirstEne</u>	rgy Corp.	<u></u>	Date	May 17, 2006	· · · · · · · · · · · · · · · · · · ·		
76 South	Main St., Akron, OH 4430	8		Sheet 1 of I			
Plant Davis-Be	sse Nuclear Power Station		Unit	÷	_ <u>#1</u>		
_5501 N. S	SR. 2, Oak Harbor, OH 434	49	-	Order # 200203452		b No., stc.	
3. Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			_
<u> </u>	SR. 2. Oak Harbor, OH 4.	3449	A	uthorization No. 20			
				Expiration Date _07/	17/07		
4. Identification of System	ns Makeup and Letdown S	System (Subsys06	5-01)				
5. (a) Applicable Const	ruction Code ANSI B31.1	1967 Edition	No Ad	denda Coc	ie Case N	10	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> (	Edition <u>96</u> A	ddenda	Code Case No	
(c) Design Responsi	bilities _First Energy	<u> </u>		<u> </u>		<u></u>	1
	6. Identification of Comp	onents Repaired o	or Replaced a	ind Replacement Cor	nponents	3	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Supports	NA	NA	NA	NA	2006	Replacement	NA
	<b></b>						
	······································	7. Descript	ion of Work			·	
	fied four hangers on DCN FS						
with PG55 straps. The	additional material installed i	s recorded in the	work order ar	identified on the d	esign ara	iwing.	
						······	
		·····				·····	,
			Nom	inal Operating Pressure		Other No	
8. Tests Conducted;	Hydrostatic No Pressure <u>NA</u>	Pneumatic No		Test Temperature			
8. Tests Conducted: Pressure Relief V	Pressure NA		, n	Test Temperature			
	Pressure <u>NA</u> alves:	psl	S	ize <u>NA</u>			_
Pressure Relief V Servik Openi	Pressure <u>NA</u> alves: e <u>NA</u> ng Pressure <u>NA</u>	psi	S		NA		-
Pressure Relief V Servic Openi	Pressure <u>NA</u> alves: :e <u>NA</u> ng Pressure <u>NA</u> ressure and Blowdown Adjustmen	psi	S	ize <u>NA</u>		· · · · · · · · · · · · · · · · · · ·	

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	FORM NIS-2/NR-1/ <del>NVR-1-</del>
	Applicable Manufectures Deta Reports to be Atlached 9. REMARKS
NA	
ـــــــــــــــــــــــــــــــــــــ	CERTIFICATE OF COMPLIANCE
!. Melvin D. Hurley	, certify that the statements made in this report are correct and the repair, modification, or
	cribed above conforms to Section XI of the ASME Code and to the National Board Inspection
	Authorization No. 20 to use the "NR" stamp expires
Date 5/11/06	FENOC Signed Q.C.
	CERTIFICATE OF INSERVICE INSPECTION
HSB CT of Hartford, CT the best of my knowledge and	holding a valid commission issued by the National Board of Boiler and Pressure Vessel competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>Delief</u> , this repair, modification or replacement has been completed in accordance with Section a National Board Inspection Code "NR" rules.
	ther the undersigned nor my employer makes any warranty, expressed or implied, concerning the Furthermore, neither the undersigned nor my employer shall be liable in any manner for any
work described in this report. personal injury, property dama	ther the undersigned nor my employer makes any warranty, expressed or implied, concerning the Furthermore, neither the undersigned nor my employer shall be liable in any manner for any age or loss of any kind arising from of connected with this inspection.  Signed
work described in this report. personal injury, property dama	Furthermore, neither the undersigned nor my employer shall be llable in any manner for any age or loss of any kind arising from of connected with this inspection. Signed Thomas And The Angel Commissions NB13386 N. T. A CHick
work described in this report. personal injury, property dama Date	Furthermore, neither the undersigned nor my employer shall be llable in any manner for any age or loss of any kind arising from of connected with this inspection. Signed
work described in this report. personal injury, property dama Date53c 2.006 I, <u>NA</u> correct and the repair, modific the ASME Code and to the Na	Furthermore, neither the undersigned nor my employer shall be liable in any manner for any age or loss of any kind arising from of connected with this inspection
work described in this report. personal injury, property dama Date <u>530 2006</u> I, <u>NA</u> correct and the repair, modific the ASME Code and to the Na National Board Certificate of A	Furthermore, neither the undersigned nor my employer shall be llable in any manner for any age or loss of any kind arising from of connected with this inspection
work described in this report. personal injury, property dama Date <u>530 2006</u> I, <u>NA</u> correct and the repair, modific the ASME Code and to the Na National Board Certificate of A	Furthermore, neither the undersigned nor my employer shall be llable in any manner for any age or loss of any kind arising from of connected with this inspection.
work described in this report. personal injury, property dama Date <u>530 2006</u> I, <u>NA</u> correct and the repair, modific the ASME Code and to the Na National Board Certificate of A	Furthermore, neither the undersigned nor my employer shall be llable in any manner for any age or loss of any kind arising from of connected with this inspection.
work described in this report. personal injury, property dama Date <u>532 2006</u> I, <u>NA</u> correct and the repair, modific the ASME Code and to the Na National Board Certificate of A National Board Certificate of A	Furthermore, neither the undersigned nor my employer shall be llable in any manner for any age or loss of any kind arising from of connected with this inspection.         Signed
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NA National Board Certificate of A National Board Certificate of A Date I. NA Inspectors and certificate of co HSB CT of Hartford, CT NA and sta completed in accordance with By signing this certificate, neitr repair, modification or replace	Furthermore, neither the undersigned nor my employer shall be llable in any manner for any age or loss of any kind arising from of connected with this inspection.

Owner FirstEne	ergy Corp.		Date	December 2, 2000	5		
	Name			Sheet 1 of 4			A
	1 Main St., Akron, OH 44308				11.4		
	esse Nuclear Power Station		Unit		<u>#1</u>		
<u>5501 N.</u>	SR. 2, Oak Harbor, OH 4344 Address	9	-	Order#200207115 Repair Organizati	on P.O. No., Jo	b No., etc.	
Work Performed by	FirstEnergy Nuclear Operat	ting Co.	Туре	Code Stamp <u>NR/VI</u>	<u>R</u>	· _ · · · · · · · · · · · · · · · · · ·	_
<u>5501 N</u>	N. SR. 2. Oak Harbor, OH 43 Address	449	A	uthorization No20/	316	······································	_
				Expiration Date _07/	<u>17/07 1</u>	2-13-07	_
Identification of System	ms Pressurizer Power Open	ated Relief Valve	-DB-RC2A-	(Subsys064-04)			
(a) Applicable Const		•			ie Case N		
	n of Section XI Utilized for Repairs		19 <u>95</u> E		Addenda	Code Case No	,
(c) Design Respons	ibilities <u>Crosby Valve &amp; Gag</u>	e Company, And	erson Greenw	rood Crosby		<u></u>	
	6. Identification of Compo	`	T		<u> </u>		
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Replaced or Replacement	ASME Code Stampe
- PORV	Crosby Valve & Gage Co	N56969-00- 0001	N/A	DB-RC2A	1977	Repaired	Yes
isc-Main Valve	Anderson Greenwood Crosby	N95209-37- 0009	N/A	N/A	2005	Replacement	Yes
isc - Pilot Valve	Anderson Greenwood Crosby	N90931-35- 0009	N/A	N/A	2005	Replacement	Yes
ozzle - Main Valve	Anderson Greenwood Crosby	N95208-36- 0008	N/A	N/A	2005	Replacement	Yes
ozzle - Pilot Valve	Anderson Greenwood Crosby	N90932-41- 0019	N/A	N/A	2005	Replacement	No
		7. Deserved					
xisting Pressurizer P	ORV (serial# N56969-00-0001)		ion of Work	pressure boundary i	narts wit		<u> </u>
ew like for like replac		<u>/</u>					
fter rebuild, valve wa	as leak tested to 2250 PSIG per	procedure DB-M	1M-09000.				
·	······································			· · · · · · · · · · · · · · · · · · ·		·····	
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure		Other Yes	
Pressure Relief V	Pressure <u>2250</u> alves:	Dsi		Test Temperature	101	°F	
Servi	ce Steam		Si	ze <u>2 ½"</u>			
Open	ing Pressure <u>No</u>		В	owdown (if applicable)	No		
Set P	ressure and Blowdown Adjustment	s Made Using <u>1</u>	No	(Test Mac	ium)		
at	Davis-Besse Nuclear Power St	ation					

.

DB-0070-4
FORM NIS-2/NR-1/NVR-1
9. REMARKS
Anderson Greenwood Crosby
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No.     20     to use the "NR" starme expires     07/17/07       Date     12-02-06     FENOC     Signed     Creation     Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, Tom G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by HSB CI of <u>Hartford</u> , CI have inspected the work described in this report on <u>Dec. 19, 200L</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date Signed Thomas Signed Thomas Commissions NB 9330 NI A Signed Commissions (Material Base (Indexementation, and Indexementation, and Indexember 2000 and
CERTIFICATE OF COMPLIANCE
Richard R. Cockrell , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/07
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/07
Date 12.02.06 FENOC Signed Guidant R. Colored Q.C.
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on <u>Dec. 19. 2006</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date 1219 2006 Signed Thomas Book Commissions NB9330 N I A Contra Contra (inspector) (inspector) (inspector) and jurisdictions. end no. ))

				PAGE 2084
· · ·				Q C -392 <del>Sheet 1 of 2</del>
FORM N-2 CF	ERTIFICATE HOLDE	RS' DATA REPORT F	OR IDENTICAL	
	NUCLEAR PARTS A	ND APPURTENANCES	S*	
As required by the Provisions of	of the ASME Code, Sec	tion III, Division 1 - Not	to Exceed One Da	ay's Production
Manufactured and certified by	Anderson Green	nwood Crosby, 43 Kendri	ck St., Wrentham,	, MA 02093 ·
	()	lame and Address of N C	ertificate Holder)	
Manufactured for		FIRST ENERGY CORI	P	
The share and share	(Name :	and Address of Purchaser	or Owner)	i
Location of Installation	DAVI.	S-BESSE NUCLEAR PO (Name and Address	WER PLANI	
Type DS-C-56969-2 REV.A	INCONEL 718	185,000	s) 	2005
(drawing no.)	(mat'l spec no.)	(tensile strength)	(CRN)	(year built)
ASME Code, Section III, Division 1		W71	1	
	(edition)	(addenda date)	(class)	(Code Case No )
Fabricated in accordance with Const	: Spec (Div. 2 only)	R	evision	Date
		(no.)		
Remarks				•
Nom. thickness (in.) Min. d	design thickness (in.)	- Dia. ID (ft & in.)	- Length over	erall (ft & in )
When applicable. Certificate Holders	s' data reports are attach			
		<b>D</b> 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
Part or Appurtenance	National Board No	Part or Appu Serial Nu		National Board No.
Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appu Serial Nu	mber	Board No.
Serial Number	Board No.	Serial Nu	mber ir	
Serial Number 1) <u>N95209-37-0009</u>	Board No. in Numerical Order	Serial Nu	mber ir	Board No.
Serial Number 1) N95209-37-0009 2) 3)	Board No. in Numerical Order	Serial Nu (26) (27) (28)	mber ir	Board No.
Serial Number 1) N95209-37-0009 2) 3) 4)	Board No. in Numerical Order	(26)(27)(28)(29)(29)(29)	nber ir	Board No.
Serial Number 1) N95209-37-0009 2) 3) 4) 5) 5)	Board No. in Numerical Order	Serial Nu (26) (27) (28) (29) (30)	mber ir	Board No.
Serial Number           N95209-37-0009           3)           4)           5)	Board No. in Numerical Order	Serial Nur (26) (27) (28) (29) (30) (31)	mber ir	Board No.
Serial Number  1) N95209-37-0009  2)  3)  4)  5)	Board No. in Numerical Order	Serial Nu (26) (27) (28) (29) (30)	mber ir	Board No.
Serial Number          1)       N95209-37-0009         2)	Board No. in Numerical Order	Serial Nui (26) (27) (28) (29) (30) (31) (32)	mber ir	Board No.
Serial Number          1)       N95209-37-0009         2)	Board No. in Numerical Order	Serial Nui (26) (27) (28) (29) (30) (31) (32) (33)	mber ir	Board No.
Serial Number          1)       N95209-37-0009         2)	Board No. in Numerical Order	Serial Nun (26) (27) (28) (29) (30) (31) (32) (33) (33) (34) (35) (36)	mber ir	Board No.
Serial Number          N95209-37-0009         2)         3)         4)         5)         6)         7)         8)         9)         10)         11)         12)	Board No.           in Numerical Order	Serial Nur (26) (27) (28) (29) (30) (31) (32) (33) (34) (34) (35) (36) (37)	mber ir	Board No.
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Serial Number          N952D9-37-0009         2)         3)         4)         5)         6)         7)         8)         9)         11)         12)         13)	Board No.           in Numerical Order	Serial Nur (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (34) (35) (36) (37) (38) (39)	mber ir	Board No.
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Serial Number           1)         N95209-37-0009           2)	Board No.           in Numerical Order	Serial Nun (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (34) (35) (36) (37) (38) (39) (40) (41)	mber ir	Board No.
Serial Number           1)         N95209-37-0009           2)	Board No.           in Numerical Order	Serial Nun         (26)         (27)         (28)         (29)         (30)         (31)         (32)         (33)         (34)         (35)         (36)         (37)         (38)         (39)         (40)         (41)         (42)	mber ir	Board No.
Serial Number           1)         N95209-37-0009           2)	Board No.           in Numerical Order	Serial Nun         (26)         (27)         (28)         (29)         (30)         (31)         (32)         (33)         (34)         (35)         (36)         (37)         (38)         (39)         (40)         (41)         (42)         (43)         (44)         (45)	mber ir	Board No.
Serial Number           1)         N95209-37-0009           2)	Board No. in Numerical Order	Serial Nun         (26)         (27)         (28)         (29)         (30)         (31)         (32)         (33)         (34)         (35)         (36)         (37)         (38)         (39)         (40)         (41)         (42)         (43)         (45)	mber ir	Board No.
Serial Number           (1)         N95209-37-0009           (2)	Board No. in Numerical Order	Serial Nun         (26)         (27)         (28)         (29)         (30)         (31)         (32)         (33)         (34)         (35)         (36)         (37)         (38)         (39)         (40)         (41)         (42)         (43)         (44)         (45)         (46)         (47)	mber ir	Board No.
Serial Number           (1)         N95209-37-0009           (2)	Board No. in Numerical Order	Serial Nun         (26)         (27)         (28)         (29)         (30)         (31)         (32)         (33)         (34)         (35)         (36)         (37)         (38)         (39)         (40)         (41)         (42)         (43)         (44)         (45)         (46)         (47)         (48)	mber ir	Board No.
Serial Number           (1)         N95209-37-0009           (2)	Board No. in Numerical Order	Serial Nun         (26)         (27)         (28)         (29)         (30)         (31)         (32)         (33)         (34)         (35)         (36)         (37)         (38)         (39)         (40)         (41)         (42)         (43)         (44)         (45)         (46)         (47)	mber ir	Board No.

\* Supplemental information in the form of lists sketches or drawings may be used provided (1) size is 8-1/2 x 14 (2) information in items 2 and 3 on this Data Report is included on each sheet (3) each sheet is numbered and the number of sheets is recorded at the top of this form

This form (E00040) may be obtained from the Order Dept ASNE 22 Law Drive Box 2300 Fairtield NJ (07007-230)

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

Form N-2 (Back)				Q C392 Sheet 2 of 2
	Certificate Holder's Serial N	No. <u>N95209-37-0009</u>	· · · · · · · · · · · · · · · · · · ·	
	CERTIFICATE (	OF DESIGN		
Design specifications certified by	JOHN W. MERCHANT (when applicable		VA Reg	no <u>4418</u>
Design report* certified by	 (when applicable)	P.E. State	Reg	no
	CERTIFICATE OF (	COMPLIANCE	· · · · · · · · · · · · · · · · · · ·	
We certify that the statements made conforms to the rules of construction	in this report are correct and	that this (these) . Disc		
constraints to the rates of constraction	ar of the Monte Code, Section	III, Division 1.		
NPT Continue of Authorization N	- N 1977 Every	Sept 30 2007		
NPT Certificate of Authorization N		Sept. 30, 2007 Crosby		
NPT Certificate of Authorization N Date <u>3 ゴンハーロケ</u> Signe		by D, E.	THA uthorized Represe	entative)
		Crosby by (A:	uthorized Repres	entative)
Date <u>3-JUN-05</u> Signed the undersigned, holding a valid of	Anderson Greenwood ( Wrentham; MA (NPT Certificate Hol <u>CERTIFICA IE OF</u> commission issued by the Natio and employed by	Crosby by (A) (A) (NSPECTION mal Board of Boiler and Pr HSB-CI	essure Vessel Ins	
Date <u>3 JUN 05</u> Signed the undersigned, holding a valid of the State or Province of <u>MA</u> of <u>Hartford-CT</u>	Anderson Greenwood ( Wrentham; MA (NPT Certificate Hol <u>CERTIFICATE OF</u> commission issued by the Natic and employed by have inspected these it	Crosby	essure Vessel Ins Report on	pectors and
Date <u>3 JUN 05</u> Signed the undersigned, holding a valid of the State or Province of <u>MA</u> of <u>Hartford-CT</u>	Anderson Greenwood ( Wrentham; MA (NPT Certificate Hol <u>CERTIFICATE OF</u> commission issued by the Natic and employed by have inspected these it Sand state that to the best nances in accordance with the	Crosby	essure Vessel Ins Report on f, the Certificate	pectors and Holder
Date $3 - 30 \times -05$ Signed the undersigned, holding a valid of the State or Province of $MA$ of Hartford-CT 6 - 3, 200 has fabricated these parts or appurte	Anderson Greenwood ( Wrentham; MA (NPT Certificate Hol CERTIFICATE OF A commission issued by the Natio and employed by have inspected these it S and employed by have inspected these it s and employed by have inspected these it nances in accordance with the date shown above. e Inspector nor his employer n Report. Furthermore, neither	Crosby       by       D, E.         (der)       (A)         (MSPECTION)         onal Board of Boiler and Pr         HSB-CI         ems described in this Data         of my knowledge and belie         ASME Code, Section III, I         nakes any warranty, express         the Inspector nor his empile	essure Vessel Ins Report on f, the Certificate Division 1. Each sed or implied, c oyet shall be liab	pectors and Holder part listed has oncerning le in any
Date $3 - 30 \times -05$ Signed the undersigned, holding a valid of the State or Province of <u>MA</u> of <u>Hartford-CT</u> <u><math>6 - 3</math>, 200</u> has fabricated these parts or appurte been authorized for stamping on the By signing this certificate, neither the the equipment described in this Data	Anderson Greenwood ( Wrentham; MA (NPT Certificate Hol CERTIFICATE OF it commission issued by the Natic and employed by have inspected these it S and state that to the best nances in accordance with the date shown above. the Inspector nor his employer in Report. Furthermore, neither roperty damage or loss of any h	Crosby       by       D, E.         (der)       (A)         (MSPECTION)         onal Board of Boiler and Pr         HSB-CI         ems described in this Data         of my knowledge and belie         ASME Code, Section III, I         nakes any warranty, express         the Inspector nor his empile	essure Vessel Ins Report on f, the Certificate Division 1. Each sed or implied, c oyet shall be liab	pectors and Holder part listed has oncerning le in any

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				Q C -392
				Q C - 392 Sheet 1 of 2
FORM N-2 C		ERS' DATA REPORT F IND APPURTENANCE		L ·
As required by the Provision				)ay's Production
Manufactured and certified by	Anderson Green	nwood Crosby, 43 Kendri	ick St., Wrenthan	n. MA 02093
······································	٩)	lame and Address of N C	ertificate Holder	)
Manufactured for		FIRST ENERGY COR		
Location of Installation	•	S-BESSE NUCLEAR PO		
		(Name and Addres		
	INCONEL 718	185,000		2005
(drawing no.) ASME Code, Section III, Division	(mat'l. spec. no.)	(tensile strength) W71	(CRN)	(year built)
ADMIE COUC, SECHOLI III, DIVISION	(edition)	(addenda date)	(class)	(Code Case No.)
Fabricated in accordance with Con	st Spec. (Div. 2 only)	R	tevision	Date
		(.00)		
Remarks				
	-			
				verali (ft & 10)
	ers' data reports are attaci National	hed for each item of this i Part or Appu	report.	National
When applicable, Certificate Holde Part of Appurtenance Serial Number	ers' data reports are attact	hed for each item of this Part or Appu Serial Nu	report.	· · · · · · · · · · · · · · · · · · ·
When applicable, Certificate Holde Part or Appurtenance Serial Number 1) <u>N90931-35-0009</u>	National National Board No. in Numerical Order	hed for each item of this 1 Part or Appu Serial Nu (26)	report.	National Board No.
When applicable, Certificate Holde Part or Appurtenance Serial Number 1) N90931-35-0009 2)	National National Board No. in Numerical Order	hed for each item of this 1 Part or Appu Serial Nu (26) (27) (28)	report.	National Board No.
When applicable, Certificate Holde Part or Appurtenance Serial Number 1) N90931-35-0009 2) 3) 4)	National Board No. in Numerical Order	bed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)	Intenance Intenance Imber	National Board No.
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When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1) N90931-35-0009           2)           3)           4)           5)           6)           7)	National Board No. in Numerical Order	hed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)           (30)           (31)           (32)	Intenance Intenance Imber	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	ted for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (30)           (31)           (32)           (33)	report	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	bed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)           (30)           (31)           (33)           (34)           (35)	report	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	bed for each item of this i           Part or Appus           Serial Nu           (26)           (27)           (28)           (29)           (30)           (31)           (32)           (33)           (34)           (35)           (36)	report.	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1) N90931-35-0009           2)           3)           4)           5)           6)           7)           9)           10)           11)	National Board No. in Numerical Order	bed for each item of this i           Part or Appus           Serial Nu           (26)           (27)           (28)           (29)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)	report	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	bed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)	report.	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	bed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)	report.	National Board No.
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When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	bed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)           (42)           (43)	report.	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	bed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (41)           (42)           (43)           (44)	report.	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	bed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)           (41)           (42)           (43)           (44)           (45)	report.	National Board No.
When applicable, Certificate Holde           Part or Appurtenance           Serial Number           1)         N90931-35-0009           2)	National Board No. in Numerical Order	hed for each item of this i           Part or Appu           Serial Nu           (26)           (27)           (28)           (29)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)           (41)           (42)           (43)           (44)           (45)           (47)	report.	National Board No.
Part or Appurtenance Serial Number (1) N90931-35-0009 (2) (3) (4) (5) (6) (7) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (16) (17) (18) (19) (20) (21) (21) (21) (21) (21) (21) (21) (21	National Board No. in Numerical Order	hed for each item of this i           Part or Appus           Serial Nu           (26)           (27)           (28)           (29)           (30)           (31)           (32)           (33)           (34)           (35)           (36)           (37)           (38)           (39)           (40)           (41)           (42)           (43)           (44)           (45)           (46)	report.	National Board No.

(when applicable)

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- Supplemental information in the form of lists sketches or drawings may be used provided (1) size is 8-1/2 x 11 (2) information in items 2 and 3 on this Data Report is included on each sheet (3) each sheet is numbered and the number of sheets is recorded at the top of this form

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This form (E00040) may be obtained from the Order Dept. ASME. 22 Law Drive, Box 2300 Fairfield NJ 07007-2300

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449

Commercial Service Date: July 31, 1978

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				Q C -392
		•		Sheet 1 of 2
FORM N-2	CERTIFICATE HOLDE			
		ND APPURTENANCES		
As required by the Provision Manufactured and certified by	s of the ASME Code, Sec	mood Crosby 43 Kendri	to Exceed One Da	y's Production
Manufactured and certified by	Autorson Oreen	ame and Address of N C	ertificate Holder)	MA 02093
Manufactured for				
	(Name a DAVI	and Address of Purchaser	or Owner)	
Location of Installation	DAVI	(Name and Address		
Type DS-C-56969 REV.G	INCONEL 718	185,000		2005
	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)
ASME Code, Section III, Division	1 1:	(addenda date)	(class)	(Code Case No.)
Fabricated in accordance with Con		•	• •	Date
		(no.)		
Remarks				· · · · · · · · · · · · · · · · · · ·
Nom. thickness (in.) Min	design thickness (in.)	- Dia ID (ft & in.)	Length ove	rall (ft & in.)
When applicable, Certificate Hold		ned for each item of this r	eport.	
Part or Appurtenance	National Reard No.	Part or Appu	rtenance	National
Serial Number	Board No.	Serial Nu	mber	Board No.
	Board No. in Numerical Order	Serial Nu	mber in	Board No. Numerical Order
(1) <u>N90931-35-0009</u>	in Numerical Order	(26)	mber in	Numerical Order
(1) <u>N90931-35-0009</u> (2)	in Numerical Order	(26)(27)(27)	mber in	Numerical Order
(1) N90931-35-0009 (2)	in Numerical Order	Serial Nu (26) (27) (28) (29)	mber in	Numerical Order
(1) <u>N90931-35-0009</u> (2) (3) (4) (5)	in Numerical Order	Serial Nu (26) (27) (28) (29) (30) (20)	mber in	Numerical Order
(1) <u>N90931-35-0009</u> (2) (3) (4) (5) (6)	in Numerical Order	Serial Nu (26) (27) (28) (29) (30) (31)	mber in	Numerical Order
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(1)       N90931-35-0009         (2)	Board No.           in Numerical Order	Serial Nu         (26)         (27)         (28)         (29)         (30)         (31)         (32)         (33)         (34)         (35)         (36)         (37)         (38)         (39)         (40)         (41)         (42)         (43)         (44)         (45)         (45)         (46)         (47)	mber in	Numerical Order
(1)       N90931-35-0009         (2)	in Numerical Order	Serial Nu (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (44) (45) (46) (41) (42) (46) (41) (42) (43) (44) (45) (46) (41) (42) (43) (44) (45) (46) (41) (42) (43) (44) (45) (44) (45) (44) (45) (46) (45) (46) (41) (45) (46) (41) (41) (42) (43) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (44) (45) (45	mber in	Numerical Order

• Supplemental information in the form of lists sketches or drawings may be used provided (1) size is 8-1/2 x 11 (2) information in items 2 and 3 on this Data Report is included on each sheet (3) each sheet is numbered and the number of sheets is recorded at the top of this form

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This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300 Fairfield NJ 07007-2300

> PAGE 4 SF4 Q.C.-392 Sheet 1 of 2 FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES\* As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093 1 Manufactured and certified by (Name and Address of N Certificate Holder) FIRST ENERGY CORP. Manufactured for 2 (Name and Address of Purchaser or Owner) DAVIS-BESSE NUCLEAR POWER PLANI 3. Location of Installation (Name and Address) Type DS-C-56969-2 REV.A ASTM A182 F316 N/A 2005 (tensile strength) (drawing no.) (mat'l. spec. no ) (CRN) (year built) W71 ASME Code, Section III, Division 1: 1971 1 ---(addenda date) (edition) (class) (Code Case No.) Fabricated in accordance with Const. Spec. (Div. 2 only) Revision 6 Date (no.) 7 Remarks 8. Nom. thickness (in.) -- Min. design thickness (in.) -- Dia. ID (ft & in ) -- Leugth overall (ft & in ) When applicable, Certificate Holders' data reports are attached for each item of this report. 9. National Part or Appurtenance Part or Appurtenance National Serial Number Board No. Serial Number Board No. in Numerical Order in Numerical Order N95208-36-0008 (26)(1) (2) (27) (3) (28) (4) (29) (5) (30)(6) (31)(7) (32) (8) (33) (34) (9) (35) (10) (11)(36)(12)(37) (13)(38) (39) (14)(15)(40) (16) (41) (17) (42) (43)(18)(19)(44)(20)(45) (21) (46) (22)(47) (48) (23)(24)(49) (25)(50)٥ Hydro, test pressure 10 Design pressure psi Temp F 4600 PSIG 0 -at temp. 70 F (when applicable)

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

Form N-2 (Back)	Certificate Holder's Serial No 🚹	195208-36-0008	<b>1</b>	Q C -392 Sheet 2 of 2
	<u>CERTIFICATE OF D</u>	<u>ESIGN</u>		
Design specifications certified by	JOHN W. MERCHANT (when applicable)	P.E. State	VA Reg. no.	4418
Design report* certified by	(when applicable)	P.E. State	Reg. no.	
۵٬۵۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰٬۰۰	<u>CERTIFICATE OF COM</u>	PLIANCE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
-	in this report are correct and that th n of the ASME Code, Section III, D		3	
NPT Certificate of Authorization N	o <u>N-1877</u> Expires Sept Anderson Greenwood Crosby	. 30, 2007		
Date <u>19-JUL-05</u> Signe		_by <u>é.</u>	The uthorized Representation	ive)
	CERTIFICATE OF INSP	ECTION		
i, the undersigned, holding a valid of the State or Province of $\underline{MA}$ of $\underline{MA}$ , 2005 has fabricated these parts or appurte been authorized for stamping on the By signing this certificate, neither th the equipment described in this Data manner for any personal injury or pr	and employed by	HSB-CT . scribed in this Data knowledge and belie code, Section III, I any warranty, expres spector nor his empl	Report on f, the Certificate Hold Division 1. Each part sed or implied, concer over shall be liable in	ler listed has ming any
Date July 19. 2	200			
Signed (Authorized In	Commission		MA-1420 A.N.I sements) and state or pro	y and no )
<u></u>				

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Page 100 of 238

DB-0070-5							
FOR	M NIS-2/NR-1/ <del>NVR-1-</del> OV As Required	VNER'S REPO			PLACE	EMENTS	
1. Owner FirstEne	rgy Corp.		Date	February 12, 200	8		
_76 South	Main St., Akron, OH 44308	<u> </u>		Sheet 1 of 2			
2. Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
<u>5501 N. S</u>	SR. 2, Oak Harbor, OH 4344	19		Order # 200209082	on P.O. No., Jo	b No., elc.	<u> </u>
3. Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
_5501 N	I. SR. 2, Oak Harbor, OH 43	449	A	uthorization No. <u>20</u>	<u>-</u>		
				Expiration Date _07/	17/10		
<ol> <li>Identification of System</li> </ol>	ns SG 2 Drain Line Isolatio	DB-M	15603	(Subsys 063-01)			
5 (a) Applicable Const	ruction Code ASME III CL.2	1971 Edition	W72 A	ddenda Coo	ie Case N	10	·· /
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> I	Edition <u>96</u> A	ddenda	Code Case N-	416-3
(c) Design Responsi	bilities First Energy Corp, Ve	lan Inc.				<del></del> . :	
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Cor	nponent	S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
4" Bolted Gate Valve	Velan Engineering Co.	s/n: 0038	N/A	DB-MS603	1973	Replaced	Yes
4" Bolted Gate Valve	Velan Inc.	s/n: 082001-1	N/A	DB-MS603	2008	Replacement	Yes
		·		· · · · · · · · · · · · · · · · · · ·			
						L	L
				······	·		
		7. Descript	1	L			l
	valve (s/n:0038) and replaced	<u>-</u>		nonment ante sinive (	1-0.0000		
	e leakage test was performed s		e tor fike repr	acement gate varve (	s/ll: 0620		
1 VI-2 IIIUai IIISCI VICI	e leakage lest was performed s	ausiacióny.					
						<u> </u>	
				·			N.I. 
····							4 <u>0</u>
B Tests Conducted:	Hydrostatic No Pressure <u>NOP</u>	Pneumatic No		inal Operating Pressure Test Temperature		Other No °F	
Pressure Relief V							
Servic	:• N/A		Si	ze N/A			
Oneni	ng Pressure N/A		RI	owdown (if applicable)	N/A		—
		s Marla i leina 🔹		encom (nappioable)	IVA		<b>-</b> .
	essure and Blowdown Adjustment	s made osing	<u>N/A</u>	(Test Med	lum)		
at _]	N/A		(Location)	· <u> </u>			<u> </u>
NOTE: Supplemental st	heets in the form of lists, sketches,	or drawings may b	e used, provide	d (1) size is 8 ½ X 11 ir	n. (2) Infor	mation in items 1 th	rough 6 on
nis report is included on e	ach sheet, and (30 each sheet is r	numbered and the r	umber of sheet	s is recorded at the top	of this for	m	

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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DB-0070-5
FORM NIS-2/NR-1/NVR-1
9. REMARKS
Velan Inc.
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
I, Lynn Wagner , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires07/17/10
Date 02-12-08 FENOC Signed Jun R. Wagner Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I.       Iom Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CT       have inspected the work described in this report on       FEB 13, 200 Band state that to         the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section       XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 2/12/08 Signed Thermore Horror Horror Commissions NB9330 NIA (National Balint (nd endorsements), and her it is an elements).
CERTIFICATE OF COMPLIANCE
I,, certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date
I, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection (
Date Signed Commissions
(inspector) (National Board (incl and one ments), and jurisdictions and no.))
<u></u>

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15 RFO Inservice Inspection Summary FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

Page Z of 2

		# 082001-1 THR	<u>J-2</u>	
	ERTIFICATE HOLDER Required by the Provis			
		<b></b>		Pg. 1 of 2
1. Manufactured and cert	ified by <u>Velan Inc., 550</u>		eal. Quebec, H4T 1X8, Ca s of N Certificate Holder)	anada.
		·		
2. Manufactured for <u>First</u>	Energy Corp., 5501, North		or, OH., 43449, United Sta iress of Purchaser)	tes
3. Location of installation	Davis – Besse Nuclear Po OH., 43449, United States		orp., 5501, North State R	oute 2. Oak Harbor,
		(name	and address)	
4. Model No., Series No.,	or Type <u>B12-2054B-02P</u>	S Drawing P012-6418	60-N01 Rev. <u>B</u> CI	RN <u>N/A</u>
5. (X)ASME Code, Section			er 1972 2 nda date) (cla	N/A (C ode Case no.)
6 Drump at volvo - 500#	BOLTED BONNET GATE			et size 4"
6. Pump of valve <u>000</u> #	DOCTED BORNET ORTE	ACTC NORMAL MILET S	(in.)	(in.)
7. (XX) Material: Body	ASME SA105 Bonnet	ASME SA105 Wedge	ASME SA105 Bolting	gASME SA 193, Gr.B7 ASME SA 194, Gr.2H_
(a)	(b)	(c)	(d)	(e)
Cert.	Nat'l	Body	Bonnet	Wedge
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
082001-1	N/A	7443	17424	7082
082001-2	<u>N/A</u>	7445	17423	7081
	`			
			(XX) Blow Out Plug	
			ASME SA105	·····
082001-1		· · · · · · · · · · · · · · · · · · ·	<u> </u>	·····
	<u>.</u>	<del></del>	<u></u> .	<u> </u>
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\*Supplemental information in form of lists, sketches. or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield: N J 67667-2968.

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15 RFO Inservice Inspection Summary FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

FORM NPV-1 (Back - Pg. 2 of)	
Certificat	e Holder's Serial No. <u>#082001-1 THRU -2</u>
8. Design conditions915psi536° F (pressure) (temperature)	or valve pressure class <u>600LB</u> ( )
9. Cold working pressure <u>1440</u> psi at 100° F	
10. Hydrostatic test <u>SHELL – 2175</u> psi, <u>SEAT – 1500</u> 11. Remarks: <u>AS BUILT VALVE DRAWING.</u>	Disk differential test pressure <u>N/A</u> psi
(X) MATERIAL CODE CONFORMS TO ASME SECTION II, 1995 EDITION	ON, ADDENDA - 1996.
· · · · · · · · · · · · · · · · · · ·	·
CERTIFICATION OF DESIGN	
Design Specification certified by PAUL N. CARR P.E. State	H., USA Reg. no
Design Report certified by <u>S. ISBITSKY</u> P.E. State <u>QUI</u>	CANADA Reg. no22115
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and that this pur construction of the ASME Code, Section III, Division 1.	p or valve conforms to the rules for
N Certificate of Authorization No. <u>N-2797-2</u>	Expires 20 Apr. 2010
Date 02 Jan. 2008 Name VELAN INC. Signed [N Certificate Holder]	(A uthorized representative)
I, the undersigned, holding a valid commission issued by the National Board of Bo	iller and Pressure Vessel inspectors

and the State or Province of <u>QUEBEC</u> and employed by <u>REGIE DU BATIMENT</u> of <u>QUEBEC</u> have inspected the pump, or valve, described in this Data Report on <u>Dankery</u> <u>B3/2008</u>, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Jon. 03/200 8	Signed PA	JP.FACHINETTI QC # 13813
	(Aethorized Inspector)	(Nat'l. Bd. (incl. endoperants) artists of all thered no.
	X I	

(1) For manually operated valves only.

PAGE D

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Owner FirstEne	rgy Corp.		Date	February 12, 200	8		
	Name Main St., Akron, OH 4430	8		Sheet 1 of 2			
	sse Nuclear Power Station		Unit		#1		
	Name	49		Order # 200209083			-
	SR. 2, Oak Harbor, OH 434		-	Repair Organizat	on P.O. No., J	ob No., etc.	
work Fenomined by	FirstEnergy Nuclear Opera	ung Co.		Code Stamp <u>NR</u>			-
<u>_5501 N</u>	SR. 2, Oak Harbor, OH 4,	3449	A	uthorization No. 20			
				Expiration Date _07/	17/10		
Identification of Syster	ns SG 2 Drain Line Isolati	on DB-N	AS611	(Subsys 063-01)			
(a) Applicable Const	ruction Code ASME III CL.2	1971 Edition	W72 A	Adenda Coo	ie Case I	No	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> 6	Edition <u>96</u>	Addenda	Code Case N-	416-3
(c) Design Responsi	bilities First Energy Corp. V	elan Inc.					
	6. identification of Comp	ononto Donaired		nd Pasiasanant Car			
	6. Identification of Comp	Manufacturer's	National	Other Identification/			ASM
lame of Component	Name of Manufacturer	Serial No.	Board No.	Jurisdictional No.	Year Built	Repaired Replaced or Replacement	Cod Stamp
Bolted Gate Valve	Velan Engineering Co.	s/n: 0052	N/A	DB-MS611	1973	Replaced	Yes
Bolted Gate Valve	Velan Inc.	s/n: 082001-2	N/A	DB-MS611	2008	Replacement	Yes
			<u> </u>			<u> </u>	
······································							
	<u> </u>	L		<u> </u>			· ·
	/	7. Descript					
	uplus (a/= 0052) and replaced	lite multiple in manual 111.		acement gate valve t	s/n: 0820	J01-2.)	
	valve (s/n:0052) and replaced e leakage test was performed s		e for like leph	accinent gate (ur) (			
	valve (s/n:0052) and replaced e leakage test was performed s						
				· · · · · · · · · · · · · · · · · · ·			
				inal Operating Pressure	e Yes	Other No	 
VT-2 initial inservic	e leakage test was performed s Hydrostatic No Pressure <u>NOP</u>	satisfactory.	Norm	· · · · · · · · · · · · · · · · · · ·		Other No °F	 
VT-2 initial inservice Tests Conducted: Pressure Relief V	e leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves:	Pneumatic No	Norra	inal Operating Pressure Test Temperature	<u>IOI</u>	°F	
VT-2 initial inservice Tests Conducted: Pressure Relief V Servic	e leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves: e <u>N/A</u>	Pneumatic No	Norm	inal Operating Pressure Test Temperature <u>N</u> ze <u>N/A</u>	101	°F	ن. - - -
VT-2 initial inservice Tests Conducted: Pressure Relief V Servic	e leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves:	Pneumatic No	Norm	inal Operating Pressure Test Temperature	101	°F	
VT-2 initial inservice VT-2 initial inservice Tests Conducted: Pressure Relief V. Servic Openi	e leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves: e <u>N/A</u>	Pneumatic No	Norm	inal Operating Pressure Test Temperature <u>N</u> ze <u>N/A</u>	<u>N/A</u>	°F	

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DB-0070-5
FORM NIS-2/NR-1/NVR-1
9. REMARKS
Velan inc.
Λ
I, Jeffrey M. Martin , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date 2-12-08 FENOC Signed Providence Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, <u>Iom Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>FEB. 12, 3608</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date <u>21208</u> Signed <u>Therwey</u> Commissions <u>MB9336</u> NTA count both (incl and commissions of the count of the cou
CERTIFICATE OF COMPLIANCE
I,, certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CI       of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be repair. Furthermore, neither the undersigned nor my employer shall be repair.
Date Signed Commissions
(inspector) (National Board (incli endorsementa), and juitaticions, and no ))

PACE 2 OF 2

#### # 082001-1 THRU -2

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES \* As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of \_2\_

1. Manufactured and	certified by Velan Inc., 55	0 Mc Arthur St	eet, Montre	al, Quebec, H	4T 1X8. Car	<u>1ada.</u>	
		•		s of N Certificate	•		
2. Manufactured for <u>F</u>	irst Energy Corp., 5501, Nor	th State Route 2	Oak Harbo name and add	or, OH., 43449, dress of Purchas	United State er)	<u>s.</u>	
	tion <u>Davis – Besse Nuclear</u>	Power Plant / Fi	et Engeny (	om 5501 No.	th State Pa	14. 7 1	Date Hawkey
3. Location of mistana	OH., 43449, United State	S.	SI CHEIQY C	.orp., 5501, No.	ui siale no		Jak Harbor,
			(name	and address)			
4. Model No., Series N	No., or Type <u>B12-2054B-02</u>	PS Drawing	P012-6418	<u>60-N01</u> Re	ev. <u>B</u> CR	N <u>N//</u>	1
5. (X)ASME Code, Sec	tion III, Division 1:	1971		er 1972	2		N/A
	(8	dition)	(addei	nda date)	(class	s)	(C ode Case no.)
6. Pump or valve 6	00# BOLTED BONNET GATE	VALVE No	minal inlet s	ize4"	Outle	t size	4"
				(in )			(in.)
7. (XXX) Material: Body	ASME SA105 Bonnet	ASME SA105	Wedge	ASME SA10	Bolting	ASM	E SA 193, Gr.B7
			_ , .		-		SA 194, Gr.2H
(a)	(b)	_(ເ		(d)			(e)
Cert.	Nat'l Board	Boo		. Bor Sei	inet		Wedge
Holder's Serial No.	No.	No			1d1 0.		Serial No.
Senai No.			'u		0		NO.
082001-1	N/A	744	3	174	24	<u> </u>	7082
082001-2	N/A	744	5	174	23		7081
			<u> </u>				
							· · · · · · · · · · · · · · · · · · ·
				(XX) Blow C	but Plug		
				ASME S	A105		
082001-1				P70	8		
082001-2				_P70	7		
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\*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 % x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 97097-2300.

kons.

FORM NPV-1 (Back - Pg. 2 of )         Certificate Holder's Senal No. # 082001-1 THR (pressure)         8. Design conditions					9 <b>- 6 9</b> 1				
B. Design conditions       915       psi       536       F or valve pressure class _600LB         (pressure)       (temperature)         B. Cold working pressure       1440       psi at 100° F         B. Hydrostatic test       SHELL - 2175       psi, Disk differential test pressure       NA         SEAT - 1500       AS BULT VALVE DRAWING.       (X) MATERIAL CODE CONFORMS TO ASME SECTION II, 1995 EDITION, ADDENDA - 1996.         I. Remarks:       AS BULT VALVE DRAWING.       (X) MATERIAL CODE CONFORMS TO ASME SECTION II, 1995 EDITION, ADDENDA - 1996.         CERTIFICATION OF DESIGN       CERTIFICATION OF DESIGN         Design Specification certified by       AUL N. CARR       P.E. State       OH., USA       Reg. no.       E-39003         Design Report certified by       S. ISBITSKY       P.E. State       QUE, CANADA       Reg. no.       E-39003         CERTIFICATE OF COMPLIANCE       Kee certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1,       N. Certificate of Authorization No.       N-2797-2       Expires       20 Apr. 2010         Date       02 Jan, 2008       Name       VELAN INC.       Signed       (A uthorized representative)         CERTIFICATE OF INSPECTION         CERTIFICATE OF INSPECTION			FORMNPV	(•1 (Back - Pg. )	2 of <u>2</u> )		~		
(pressure)       (temperature)         a. Cold working pressure       1440       psl at 100° F         b. Hydrostatic test       SHELL - 2175       psl, Disk differential test pressure N/A         SEAT - 1500       AS BUILT VALVE DRAWING					Certificate	Holder's Ser	ial No. <u>#082001</u>	1 THR	
0. Hydrostatic test       SHELL - 2175	3. Design condition					er valve pre	ssure class <u>60</u>	OLB	
SEAT - 1900         1. Remarks:       AS BUILT VALVE DRAWING.         (X) MATERIAL CODE CONFORMS TO ASME SECTION II, 1995 EDITION, ADDENDA - 1996.         CERTIFICATION OF DESIGN         Design Specification certified by PAUL N. CARR P.E. State OH., USA Reg. no. E-39003         Design Report certified by PAUL N. CARR P.E. State OH., USA Reg. no. 22115         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1,         N Certificate of Authorization No. N-2797-2         Expires 20 Apr. 2010         Date D2 Jan. 2008         Name VELAN INC: Signed         Marker Code, Section III, Division 1,         N CERTIFICATE OF INSPECTION         (N Certificate Holder)         (A uthorization No. N-2797-2         Expires 20 Apr. 2010         Date _02 Jan. 2008         Name VELAN INC: Signed         Improvince of QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have an employed by REGIE DU BATIMENT of QUEBEC have an employed by REGIE DU BATIMENT of QUEBEC have an employed by REGIE DU BATIMENT of QUEBEC have an excited this pump, or valve, in accordance with the ASM 2046, Section III, Division 1.         Sylighin	. Cold working pres	sure <u>1440</u>		psl at 100"	F				
(X) MATERIAL CODE CONFORMS TO ASME SECTION II, 1995 EDITION, ADDENDA - 1996.         CERTIFICATION OF DESIGN         Design Specification certified by PAUL N. CARR P.E. State OH, USA Reg. no. E-39003         Design Report certified by PAUL N. CARR P.E. State OH, USA Reg. no. 22115         Design Report certified by S. ISBITSKY P.E. State OUE, CANADA Reg. no. 22115         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No. N-2797-2         Expires 20 Apr. 2010         Date O2 Jan. 2008         Name VELAN INC.         Name VELAN INC.         Signed         Authorization No. N-2797-2         Expires 20 Apr. 2010         CERTIFICATE OF INSPECTION         Ate undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector Ind the State or Province of OUEBEC and employed by REGIE DU BATIMENT of QUEBEC in Paw in store, described in this Data Report OUE 27/07, 20, and state that to the bes for my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM code, Section III, Division 1.         Systemating the inspectory nor his employer makes any warranty, expressed or	•	SEAT - 1500			psi, Di	sk differen	tial test pressure	N/A	
CERTIFICATION OF DESIGN         Design Specification certified byPAUL_N_CARRP.E. StateOHUSAReg. noE.39003         Dasign Report certified byS.ISBITSKYP.E. StateOUE CANADAReg. no22115         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization NoN-Z797-2 Expires _20 Apr. 2010         Date02 Jan, 2008 Name VELAN INC Signed (N Certificate Holder) (A uthorized representative)         CERTIFICATE OF INSPECTION         Ate undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector in the State or Province of UEBEC and employed by REGIE DI BATIMENT	1. Remarks:7	AS BUILT VALVE	DRAWING.				· · ·		
Design Specification certified by       PAUL N. CARR       P.E. State       OH., USA       Reg. no. E-39003         Design Report certified by       S. ISBITSKY       P.E. State       QUE., CANADA       Reg. no. 22115         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No.       N-2797-2       Expires       20 Apr. 2010         Date       02 Jan. 2008       Name       VELAN INC.       Signed       Signed         (N Certificate Holder)         CERTIFICATE OF INSPECTION         Authorized representative)         CERTIFICATE OF INSPECTION         Authorized or Province of QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have and employed by REGIE DU BATIMENT of QUEBEC have and employed by REGIE DU BATIMENT of QUEBEC have and state that to the bese of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM code, Section III, Division 1.         By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning nearmer for any personal injury or browert danage or a loss of any kind arising from or connected with this inspectior provide and are a loss of any kind arising from or connected with this inspectior pretables and are a loss of any kind arising from or con	<u>(x</u>	MATERIAL CO	DE CONFORMS TO	ASME SECTION	II, 1995 EDITIO	N, ADDEND	A - 1996.		
Design Specification certified by       PAUL N. CARR       P.E. State       OH., USA       Reg. no. E-39003         Design Report certified by       S. ISBITSKY       P.E. State       QUE., CANADA       Reg. no. 22115         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No.       N-2797-2       Expires       20 Apr. 2010         Date       02 Jan. 2008       Name       VELAN INC.       Signed       Signed         (N Certificate Holder)         CERTIFICATE OF INSPECTION         Authorized representative)         CERTIFICATE OF INSPECTION         Authorized or Province of QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have and employed by REGIE DU BATIMENT of QUEBEC have and employed by REGIE DU BATIMENT of QUEBEC have and state that to the bese of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM code, Section III, Division 1.         By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning nearmer for any personal injury or browert danage or a loss of any kind arising from or connected with this inspectior provide and are a loss of any kind arising from or connected with this inspectior pretables and are a loss of any kind arising from or con									
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Design Specification certified by       PAUL N. CARR       P.E. State       OH., USA       Reg. no. E-39003         Design Report certified by       S. ISBITSKY       P.E. State       QUE., CANADA       Reg. no. 22115         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No.       N-2797-2       Expires       20 Apr. 2010         Date       02 Jan. 2008       Name       VELAN INC.       Signed       Signed         (N Certificate Holder)         CERTIFICATE OF INSPECTION         Authorized representative)         CERTIFICATE OF INSPECTION         Authorized or Province of QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have and employed by REGIE DU BATIMENT of QUEBEC have and employed by REGIE DU BATIMENT of QUEBEC have and state that to the bese of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM code, Section III, Division 1.         By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning nearmer for any personal injury or browert danage or a loss of any kind arising from or connected with this inspectior provide and are a loss of any kind arising from or connected with this inspectior pretables and are a loss of any kind arising from or con							······		
Design Report certified by       S. ISBITSKY       P.E. State       QUE,, CANADA_Reg. no. 22115         CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No. <u>N-2797-2</u> Expires 20 Apr. 2010         Date 02 Jan. 2008         Name         VELAN INC.         Signed         (N Certificate Holder)         Authorized representative)         CERTIFICATE OF INSPECTION         Authorized colspan="2">CERTIFICATE OF INSPECTION         Authorized representative)         CERTIFICATE OF INSPECTION         Authorized representative)         CERTIFICATE OF INSPECTION         Authorized representative)         CERTIFICATE OF INSPECTION <td colspa<="" td=""><td></td><td></td><td></td><td></td><td>SIGN</td><td></td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td></td> <td>SIGN</td> <td></td> <td></td> <td></td>					SIGN			
CERTIFICATE OF COMPLIANCE         We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No									
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We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1. N Certificate of Authorization No. <u>N-2797-2</u> Date <u>02 Jan. 2008</u> Name <u>VELAN INC.</u> (N Certificate Holder) Signed <u>Mathematication of Certificate Holder</u> (N Certificate Holder) (A uthorized representative) CERTIFICATE OF INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector ind the State or Province of <u>QUEBEC</u> and employed by <u>REGIE DU BATIMENT</u> of <u>QUEBEC</u> have nspected the pump, or valve, described in this Data Report on <u>2000 rules</u> , and state that to the beside of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM Code, Section III, Division 1. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in an namer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection (A uthorized Section III, Division 1. By signing this certificate, Section III of the Certificate or a loss of any kind arising from or connected with this inspection (A uthorized section of the Section Section of the Section of the Section of the Section Section of the Sec		1.					*		
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules f construction of the ASME Code, Section III, Division 1. N Certificate of Authorization No. <u>N-2797-2</u> Date <u>02 Jan. 2008</u> Name <u>VELAN INC.</u> (N Certificate Holder) Signed <u>Mathematication of Certificate Holder</u> (N Certificate Holder) (A uthorized representative) CERTIFICATE OF INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector ind the State or Province of <u>QUEBEC</u> and employed by <u>REGIE DU BATIMENT</u> of <u>QUEBEC</u> have nspected the pump, or valve, described in this Data Report on <u>2000 rules</u> , and state that to the beside of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM Code, Section III, Division 1. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in an namer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection (A uthorized Section III, Division 1. By signing this certificate, Section III of the Certificate or a loss of any kind arising from or connected with this inspection (A uthorized section of the Section Section of the Section of the Section of the Section Section of the Sec									
Construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No. <u>N-2797-2</u> Expires <u>20 Apr. 2010</u> Date <u>02 Jan. 2008</u> Name <u>VELAN INC.</u> Signed	······								
Construction of the ASME Code, Section III, Division 1.         N Certificate of Authorization No. <u>N-2797-2</u> Expires <u>20 Apr. 2010</u> Date <u>02 Jan. 2008</u> Name <u>VELAN INC.</u> Signed	<u></u>		CERTIFIC	ATE OF COMPLI	ANCE				
Date       02 Jan. 2008       Name       VELAN INC.       Signed         (N Certificate Holder)       (A uthorized representative)         CERTIFICATE OF INSPECTION         A uthorized representative)         CERTIFICATE OF INSPECTION         CERTIFICATE OF INSPECTION         A uthorized representative)         CERTIFICATE OF INSPECTION         Inspector for Province ofQUEBEC and employed by REGIE DU BATIMENT of Auto the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM Code, Section III, Division 1.         By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concernin he component	No cartify that the	statements ma				. pr valve c	conforms to the		
Date       02 Jan. 2008       Name       VELAN INC.       Signed         (N Certificate Holder)       (A uthorized representative)         CERTIFICATE OF INSPECTION         A uthorized representative)         CERTIFICATE OF INSPECTION         CERTIFICATE OF INSPECTION         A uthorized representative)         CERTIFICATE OF INSPECTION         Inspector Province ofQUEBEC and employed by REGIE DU BATIMENT of O			de in this report a	are correct and th		or valve o	conforms to the	rules f	
(N Certificate Holder) (A uthorized representative) CERTIFICATE OF INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector ind the State or Province of <u>QUEBEC</u> and employed by <u>REGIE DU BATIMENT</u> of <u>QUEBEC</u> have nspected the pump, or valve, described in this Data Report on <u>D274274</u> <u>03</u> / <u>2008</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM code, Section III, Division 1. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concernin the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in an namer for any personal injury or property damage or a loss of any kind arising from or connected with this Inspection (A uthorized representative)	construction of the	ASME Code, S	de in this report a ection III, Division	are correct and the 1,	nat this pump			rules f	
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Ind the State or Province of <u>QUEBEC</u> and employed by <u>REGIE DU BATIMENT</u> of <u>QUEBEC</u> have nspected the pump, or valve, described in this Data Report on <u>27767487487487</u> , and state that to the beside of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM code, Section III, Division 1. The component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in an namer for any personal injury or property damage or a loss of any kind arising from or connected with this Inspection has <u>Jon. 03/268</u> Signed Signed Commissions	construction of the	ASME Code, S	de in this report a ection III, Division N-2797- 2 e <u>VELAN I</u> (N Certificate	are correct and th 1. NC. Holder)	nat this pump Signed	Expires	20 Apr. 2010		
Inspected the pump, or valve, described in this Data Report on $\underline{12042040}$ , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASM code, Section III, Division 1. The signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in an anner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection of the $\underline{12000}$ . Signed $1000000000000000000000000000000000000$	construction of the	ASME Code, S	de in this report a ection III, Division N-2797- 2 e <u>VELAN I</u> (N Certificate	are correct and th 1. NC. Holder)	nat this pump Signed	Expires	20 Apr. 2010		
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he component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in an nanner for any personal injury or property damage or a loss of any kind arising from or connected with this inspectior Date Jon. 03/248 Signed Signed Commissions	construction of the N Certificate of Aut Date <u>02 Jan, 2008</u> , the undersigned, I and the State or Pro nspected the pump	ASME Code, S horization No Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam Nam_ Nam	de in this report a ection III, Division <u>N-2797- 2</u> e <u>VELAN I</u> (N Certificate CERTIFIC commission issue <u>EBEC</u> and et ribed in this Data I	ATE OF INSPEC d by the National mployed by <u>REG</u> Report on 2274	TION Board of Boi DU BATIN 2ry 63/200	Expires (A uthort	20 Apr. 2010 red representative ssure Vessel Ins QUEBEC and state that to	e) spector hav the bes	
he component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in an nanner for any personal injury or property damage or a loss of any kind arising from or connected with this inspectior Date Jon. 03/248 Signed Signed Commissions	construction of the N Certificate of Aut Date <u>02 Jan, 2008</u> , the undersigned, i and the State or Pro- nspected the pump of my knowledge at	ASME Code, S horization No NamNam holding a valid povince ofQU , or valve, desc nd belief, the Cl	de in this report a ection III, Division <u>N-2797- 2</u> e <u>VELAN I</u> (N Certificate CERTIFIC commission issue <u>EBEC</u> and et ribed in this Data I	ATE OF INSPEC d by the National mployed by <u>REG</u> Report on 2274	TION Board of Boi DU BATIN 2ry 63/200	Expires (A uthort	20 Apr. 2010 red representative ssure Vessel Ins QUEBEC and state that to	e) spector hav the bes	
nanner for any personal injury or property damage or a loss of any kind arising from or connected with this inspectior Date Jon. 03/2498 Signed Loss of any kind arising from or connected with this inspectior	the undersigned, l not the State of Auth out the State of Pro- nspected the pump of my knowledge at ode, Section III, Di	ASME Code, S horization No. Nam Nam Nolding a valid ovince of <u>QU</u> , or valve, desc nd belief, the Ci vision 1.	de in this report a ection III, Division <u>N-2797- 2</u> e <u>VELAN I</u> (N Certificate (N Certificate CERTIFIC commission issue <u>EBEC</u> and entificate Holder ha	Are correct and the second sec	TION Beard of Boi SIE DU BATIN 2ry 63/200 is pump, or v	Expires (A uthorts) (A uthorts	20 Apr. 2010 Tred representative ssure Vessel Ins QUEBEC and state that to cordance with th	spector hav the bes se ASM	
Date 2n. 03/200 Signed (A the Commissions	the undersigned, i the undersigned, i not the State or Pro- nspected the pump frmy knowledge as code, Section III, Di Sy signing this certi	ASME Code, S horization No. Nam Nam Nolding a valid voluce of <u>QU</u> , or valve, desc nd belief, the Co vision 1. ficate, neither the contract of the contract o	e in this report a ection III, Division <u>N-2797- 2</u> e <u>VELAN II</u> (N Certificate (N Certificate CERTIFIC Commission issue EBEC and en ribed in this Data I ertificate Holder has he inspector, nor hi	Are correct and the figure of the second sec	nat this pump Signed TION Board of Boi SIE DU BATIN 2rg 63/200 is pump, or v s any warrant	Expires (A uthort: (A uthort: ENTof of of 	20 Apr. 2010 red representative ssure Vessel Ins QUEBEC and state that to cordance with the	e) spector hav the bes le ASM	
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(Nath Ba. (Incl. engogeneral) and the biggeneral of the biggeneral	the undersigned, I not the State or Pro- nspected the pump f my knowledge at code, Section III, Di Sy signing this certi- he component deso- nanner for any pers	ASME Code, S horization No. Nam Nam Nolding a valid voluce of <u>QU</u> , or valve, desc nd belief, the Co vision 1. ficate, neither the ribed in this Da onal injury or p	de in this report a ection III, Division <u>N-2797-2</u> e <u>VELAN II</u> (N Certificate (N Certificate CERTIFIC Commission issue <u>EBEC</u> and en ribed in this Data I ertificate Holder has he inspector, nor hi ta Report. Further roperty damage or	ATE OF INSPEC d by the National mployed by <u>REC</u> Report on <u>279</u> as constructed th s employer make more, neither the a loss of any kind	TION Board of Boi DIE DU BATIM Dry & 3/200 is pump, or v s any warrant inspector no d arising from 1-P i	(A uthorit (A uthorit) (A uthorit (A uthorit) (A utho	20 Apr. 2010 red representative ssure Vessel Ins <u>QUEBEC</u> and state that to cordance with the cordance with the set or implied, cord yer shall be liable ted with this ins	epector hav the bes le ASM hermin le in an pectior	
	the undersigned, I not the State or Pro- nspected the pump f my knowledge at code, Section III, Di Sy signing this certi- he component deso- nanner for any pers	ASME Code, S horization No. Name Name Notified a valid volume of <u>QU</u> , or valve, desc nd belief, the Co vision 1. ficate, neither the ribed in this Da onal injury or p Signed	de in this report a ection III, Division <u>N-2797-2</u> e <u>VELAN II</u> (N Certificate (N Certificate CERTIFIC Commission issue EBEC and en ribed in this Data I ertificate Holder has he inspector, nor hi ta Report. Further roperty damage or	Are correct and the semployer make more, neither the a loss of any kind	TION Board of Boi SIE DU BATIN 2ry 63/2s is pump, or v s any warrant inspector no d arising from Inspector so	Expires (A uthorts (A uthorts ENTof 28, a alve, in act y, expresse r his empto or connec ACHINET	20 Apr. 2010 red representative ssure Vessel Ins QUEBEC and state that to cordance with the d or implied, corr yer shall be liabited with this ins <b>QC # 1381</b>	epector hav the bes le ASM hermin le in an pectior	

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1	PAGE	_05_	_OF	31	

B-0070-5		· · · · ·		· ·			
FOR	M NIS-2/NR-1/NVR-1 OV As Required	WNER'S REPO			PLACE	EMENTS	
Owner FirstEne	rgy Corp.		Date	February 4, 2008			
76 South	Main St., Akron, OH 44308	l		Sheet 1 of 1			
	sse Nuclear Power Station		Unit		#1		
:	SR 2 Oak Harbor OH 4344	19		Order# 200229799			
	SR. 2, Oak Harbor, OH 4344		· -	Repair Organizat	en P.O. No., Je	ib No., eic.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	i ype	Code Stamp <u>NR</u>	······	·	
<u>5501 N</u>	I. SR. 2, Oak Harbor, OH 43 Address	449	A	uthorization No 20			
•				Expiration Date	17/10		<b></b>
Identification of System	ns DH Pump 1 Discharge (	Check Valve	DB-DH43	(Subsys	049-02)	·	
(a) Applicable Const	ruction Code ASME III CL.2	1971 Edition	\$71 Ad	ddenda Coo	le Case N	ło	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> 1	Edition <u>96</u>	ddenda	Code Case No	) .
(c) Design Responsi	blittles FirstEnergy Corp.		<u>,</u>			· ·	÷
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
" Check Valve	Velan Inc.	0013	N/A	DB-DH43	1972	Repaired	Yes
lting Materials	Unknown	Unknown	N/A	N/A	Unk.	Replaced	No
1" Hvy Hex Nuts	Nova Machine Products	HI# 716864	N/A	<u>N/A</u>	2003	Replacement	No
1" x 5 3/4" Studs	Nova Machine Products	HT# 731206	N/A	N/A	2005	Replacement	No
		7. Descript	ion of Work				
uring routine mainter	nance on this bolted bonnet che	······································		embled, refurbished	and reas	sembled.	
	body to bonnet bolting materi		l. All other pr	essure boundary iten	ns were i	eused.	
VT-2 initial inservic	e leakage test was performed s	atisfactory.					
	· · · · · · · · · · · · · · · · · · ·					····	
		······································		<u> </u>		•	
Tests Conducted:	Hydrostatic No Pressure 170	Pneumatic No	Nom	inal Operating Pressure		Other No	
Pressure Relief V		psi		Test Temperature	101	°F	
Servio	>*//		Si	ze N/A			
Open	ing Pressure N/A		 Bl	owdown (if applicable)	N/A		- <del>.</del>
	ressure and Blowdown Adjustment	s Made Using	N/A			· · · · · · · · · · · · · · · · · · ·	
at	N/A	- <u>-</u>		(Test Mec	5um)		
			(Location)			<u></u>	_
	heets in the form of lists, sketches, each sheet, and (30 each sheet is r						trough 6 o

	FOR	M NIS-2/NR-1/N	<del>VR-1</del>	· · · · ·	
	9.	REMARKS		Applicable Manufacturers Data Repo	ts to be Attached
N/A					
	· · · · · · · · · · · · · · · · · · ·				
·	· · · · · · · · · · · · · · · · · · ·				
·····					
· .	CERTIF	ICATE OF COMPLI	ANCE		
Richard R. Cockrell replacement of the items described Code "NR" rules.				prrect and the repai to the National Boa	
National Board Certificate of Autho	rization No. 20	to use the "NR" sta	and expires	07/17/10	_
Date 02-04-08	FENOC	Signed	I Fichal	2 Corriele	Q.C
· .		· · ·	· Jana santad Jeth	,	
· · · · · · · · · · · · · · · · · · ·	CERTIFICAT	E OF INSERVICE IN	SPECTION		
Ihomas G. Laps nspectors and certificate of compe ISB CT of Hartford, CT he best of my knowledge and belie I of the ASME Code and the Nation	etency issued by the have inspected the v ef, this repair, modified	jurisdiction of vork described in t cation or replacem	OHIO and his report on ent has been cor	ard of Boiler and P employed by <u>68.4,3008</u> an npleted in accorda	d state that to
y signing this certificate, neither the ork described in this report. Furthersonal injury, property damage on the second	hermore, neither the or loss of any kind ari	undersigned nor n	ny employer shal	I be liable in any m spection.	Anner for any
· · · · · · · · · · · · · · · · · · ·	CERTIF	ICATE OF COMPLI	ANCE		
N/A orrect and the repair, modification he ASME Code and to the Nationa		he pressure relief	devices describe	e statements made d above conforms	e in this report ar to Section XI of
ational Board Certificate of Autho	rization No. 316	to use the "VR" s	stamp expires	12/13/10	
	rization No20	to use the "NR"	stamp expires	07/17/10	
ational Board Certificate of Autho		•		0//1//10	_
	FENOC				-
	FENOC (name of repair organization)	Signed	(authorized repro		Q.C
	(name of repair organization)	Signed			
	(name of repair organization)				
	CERTIFICATI CERTIFICATI holding a valid con stency issued by the ave inspected the re	Signed	ISPECTION the National Bo OHIO and or replacement d	ard of Boiler and P employed by escribed in this rep	ili ressure Vessel ort on
N/A spectors and certificate of compe SB CT of Hartford, CT h and state tha	CERTIFICATI _ holding a valid con tency issued by the ave inspected the re at to the best of my k	Signed E OF INSERVICE IN Immission issued by jurisdiction of pair, modification nowledge and beli	ISPECTION y the National Bo OHIO and or replacement d ief, this repair, m	ard of Boiler and P employed by escribed in this rep odification or replac	ressure Vessel ort on ement has beer
N/A spectors and certificate of compe SB CI of Hartford, CI h and state tha ompleted in accordance with Sect y signing this certificate, neither th pair, modification or replacement	CERTIFICATI holding a valid com tency issued by the j ave inspected the re at to the best of my k ion XI of the ASME ( ne undersigned nor no described in this rep	Signed E OF INSERVICE IN pairsion issued by jurisdiction of pair, modification nowledge and beli Code and the Nation code and the Nation part. Furthermore,	ISPECTION y the National Bo <u>OHIO</u> and or replacement d ief, this repair, monal Board Inspe es any warranty, e neither the under	ard of Boiler and P employed by escribed in this rep odification or replac ction Code "VR" ar expressed or implie	ressure Vessel ort on ement has beer id "NR" rules id, concerning th ployer shall be
N/A spectors and certificate of compe <u>SB CT</u> of <u>Hartford, CT</u> h and state tha pompleted in accordance with Sect y signing this certificate, neither the pair, modification or replacement able in any manner for any person	CERTIFICATI holding a valid com tency issued by the j ave inspected the re at to the best of my k ion XI of the ASME ( ne undersigned nor no described in this rep	Signed E OF INSERVICE IN pairsion issued by jurisdiction of pair, modification nowledge and beli Code and the Nation code and the Nation part. Furthermore,	ISPECTION y the National Bo <u>OHIO</u> and or replacement d ief, this repair, monal Board Inspe es any warranty, e neither the under	ard of Boiler and P employed by escribed in this rep odification or replac ction Code "VR" ar expressed or implie ensigned nor my em om or connected w	it: ressure Vessel ort on cement has been id "NR" rules id, concerning th ployer shall be

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

## ORDER# 200233203

# FORM NR-I REPORT OF REPAIR MODIFICATION OR REPLACEMENT IN TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1 Work performed by	AREVA NP Inc.		PO#s 45231708
	(name of NR of	ertificate holder)	(PO no job no, etc)
	3315 Old Forest Rd,	Lynchburg Va. 24501	,
		(address)	
2 Owner FirstEnergy	Company		
		(name)	
	76 South Main St.	, Akron Ohio 44308	, -
	· · · · · · · · · · · · · · · · · · ·	(address)	
3 Name, address and ide	ntification of nuclear power plant	Davis-	Besse Nuclear Power Station
5501 N. 8	R 2. Oak Harbor Ohio 43449		

4 System Steam Generator # E24-2

5.a: Items Which Required Repair, Modification, or Replacement Activities

			Identificat	ion			-		Constructio	n Code		Activity
No	I ype of Item	Mfg Name	Mfg Serial No	Nat'l Bd No.	Jurisd No	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class	Repair/ Mod/ Replace
1	(2)	(1)	(2)	158	N/A	N/A	1972	(3)	(4)	(5)	A	Repair
2			· ·									
3 .	· ·					·		· ·			• .	
4						· · · ·		[				
5												
6					· ·	1	•					
7												
8												
9												
10												
11												_
12		· ·										

5. b: Items Installed During Replacement Activities

	Identification								Construction Code			
Type of Item	Installed or Replaced 5a Item No	Mfg. Name	Mfg. Serial No	Nat'l Bd No	Jurisd No	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class	
(6)	1	(8)	(7)	N/A	N/A	N/A	(10)	(3)	(4)	None	1	
					<u> </u>			<u> </u>	<u>↓</u>			
	{											
	<u> </u>		<u> </u>	<u> </u>		<u> </u>			<u> </u>			
		ļ			-						·	
		<u> </u>			<u>}                                    </u>							

7	ASME Code Section XI used for repairs, modifications, or replacements:: 1995 (edition)	1996 (addenda)	None (Code Cases(s))
8	Construction Code used for repairs, modifications or replacements: 1968 (edition)	Summer 68 (addenda)	1332-4, 1407-1 (Code Cases(s))
9	Design responsibilities: (8)	(aduenda)	(Code Cases(s))
10	0 Tests conducted: hydrostatic 🗌 Pneumatic 🗌 Design pressure (9) pressure	psi Code	Case(s)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229

NB-81 Rev 8

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	(use of properly identified additional sheet(s) or sketches is acceptable)
	·
	for acceptance of installed code hardware.
	emblies installed in "A" inlet- 42 (Stabilizer Plug P/N 1196122-002)
	led in "A" inlet - 4 (P/N 5023545-001)
toiled Plugs installed in '	"A" outlet- 46 (Threaded Rolled Plug P/N 1222118-005)
·····	·
<u> </u>	
5	
	elow are the number codes that apply to the repair activity items shown on the front page
) Babcock and Wilcox	
	24-2, S/N 620-0014-55-11
3) ASME Section III, Cla	
	SME III. 1968 Edition, 1968 Summer Addenda
<ol> <li>Code Cases 1332-4 :</li> <li>AREVA NP P/Ns for threaded rolled plug)</li> </ol>	rolled plugs- 1196122-002 (stabilizer plug) 5023545-001 (QTSG rolled plug) and 1222118-005
	mbers and tube locations: See QCIR 9070372-000
8) AREVA NP Inc.	
9) By others- FirstEnerg	ју
10) See AREVA NP QA	A data packages 23-9064671 and 23-9070075
	·······
Niel Simile and factor	CERTIFICATE OF COMPLIANCE
Nick Simile, certify that t	to the best of my knowledge and belief the statements made in this report are correct and the repair,
nodification or replacemen lode "NR" rules.	to the best of my knowledge and belief the statements made in this report are correct and the repair, at activities described above conforms to Section XI of the ASME Code and the National board Inspection
nodification or replacemen Code "NR" rules. Jational Board Certificate (	to the best of my knowledge and belief the statements made in this report are correct and the repair, It activities described above conforms to Section XI of the ASME Code and the National board Inspection of Authorization No <u>NR-64</u> to use the 'NR'' stamp expires <u>May 17</u> , 2009
nodification or replacemen Code "NR" rules. Jational Board Certificate (	to the best of my knowledge and belief the statements made in this report are correct and the repair, It activities described above conforms to Section XI of the ASME Code and the National board Inspection of Authorization No <u>NR-64</u> to use the 'NR'' stamp expires <u>May 17</u> , 2009
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nodification or replacemen Code "NR" rules. Jational Board Certificate ( JR Certificate Holder <u>AR</u>	to the best of my knowledge and belief the statements made in this report are correct and the repair, at activities described above conforms to Section XI of the ASME Code and the National board Inspection of Authorization No <u>NR-64</u> to use the 'NR'' stamp expires <u>May 17, 2009</u> <u>(RAME)</u> <u>(name)</u> <u>Manager, OA/OC Operations</u>
nodification or replacemen Code "NR" rules. lational Board Certificate ( IR Certificate Holder <u>AR</u>	to the best of my knowledge and belief the statements made in this report are correct and the repair, at activities described above conforms to Section XI of the ASME Code and the National board Inspection of Authorization No <u>NR-64</u> to use the 'NR'' stamp expires <u>May 17</u> , 2009 <u>(RAME)</u> <u>(name)</u> <u>Manager, OA/OC Operations</u>
nodification or replacemen Code "NR" rules. lational Board Certificate ( IR Certificate Holder <u>AR</u>	to the best of my knowledge and belief the statements made in this report are correct and the repair, at activities described above conforms to Section XI of the ASME Code and the National board Inspection of Authorization No <u>NR-64</u> to use the "NR" stamp expires <u>May 17</u> , 2009 <u>(EVA NP Inc</u> (name) <u>MA S. L.</u> (authorized representative) <u>Manager, OA/OC Operations</u> (title)
nodification or replacemen Code "NR" rules. Jational Board Certificate IR Certificate Holder <u>AR</u> Date <u>3/07/08</u> Signed	to the best of my knowledge and belief the statements made in this report are correct and the repair, at activities described above conforms to Section XI of the ASME Code and the National board Inspection of Authorization No <u>NR-64</u> to use the 'NR'' stamp expires <u>May 17</u> , 2009 <u>(EVA NP Inc</u> (name) <u>Manager, OA/OC Operations</u> (authorized representative) (title) CERTIFICATE OF INSPECTION
nodification or replacemen code "NR" rules. lational Board Certificate ( IR Certificate Holder <u>AR</u> Date <u>3/07/08</u> Signed <u>Ihomas G. Laps</u> , holding of competency issued by the placement described in the replacement activity has	to the best of my knowledge and belief the statements made in this report are correct and the repair, at activities described above conforms to Section XI of the ASME Code and the National board Inspection of Authorization No <u>NR-64</u> to use the "NR" stamp expires <u>May 17</u> , 2009 <u>(EVA NP Inc</u> (name) <u>MA S. L.</u> (authorized representative) <u>(title)</u>
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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

# 022er# 200233204

# FORM NR-1 REPORT OF REPAIR MODIFICATION OR REPLACEMENT IN NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1 W	ork performed	by <u>F</u>	ramatome ANF	Inc. (name	of NR ce	rtificate h	older)		<u>P(</u>	<u>)#s 45231</u> (P O no	708 , job no ,	etc.)
			. 331	5 Old Eo	rest Rd, L	vnebbúr	- - Va 74	501	•	•		
				5 01410	reat rea, r	(address		501				
2 0	wner <u>First</u> E	nergy Co	mpany				·					
				6 South I	Main St ,	(name) Akron Ol		8				
						(address	)					
٦N	ame address a	nd identif	ication of nucle	ar nower	olant			Davis-Bess	e Nuclear Po	wer Statio	n	
			•		• -			24110 200				
	55(	UN SR	2 Oak Harbor	Ohio.434	49						_	
1 S	stem Ste	am Gener	ator # E24-1					•				
							··					
5.a:	Items Which F	Required F	Repair, Modific		Replacem	ent Activ	ities	·				·····
		. · · · ·	Identificat	ion				· .	Constructio	on Code		Activity
NQ	Type of Item	Mfg. Name	Mfg. Serial No	Nat'l Bd No.	Jurisd No	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class	Repair/ Mod/ Replace
ĩ	(2)	(1)	(2)	159	N/Ą	N/A	1972	(3)	(4)	(5)	A	Repair
2								·			•	
3								-				
1					1						L	
5					L		· · · ·					
6							1					
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8		1					<u> </u>			1	· · ·	
		ļ	<u> </u>		L						·	
-			1	1	1	1.	ł			1	I	-
9 10			<u> </u>	<u> </u>								
-										-		

#### 5. b: Items Installed During Replacement Activities Identification Construction Code Mfg Name Mfg. Serial No Type of Item Nat'l Bd Name/ Installed or Jurisd Other Year Edition/ Code Code Replaced 5a No No Built Section/ Class Addenda Case(s) Item No. Division N/A N/A (6) (8) (7)N/A 1(10) (3) None (4) 1 6 ASME Code Section XI applicable for inservice inspection : 1995 None (Code Cases(s)) 1996 (edition) (addenda) 7 ASME Code Section XI used for repairs, modifications or replacements:: 1995 (edition) 1996 None (Code Cases(s)) (addenda) 8 Construction Code used for repairs, modifications, or replacements: 1968 Summer 68 1332-4, 1407-1 (edition) (addenda) (Code Cases(s)) 9 Design responsibilities: (8) 10. Iests conducted: hydrostatic 🗌 Pneumatic 🛄 Design pressure (9) pressure psi Code Case(s)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229

NB-81 Rev. 8

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

11 Description of work:		olled plugging with procedures 03-1275284-013 and
	(use of property identified addition	nal sheet(s) or sketches is acceptable)

#### See QCIR 9070372-000 for acceptance of installed code hardware.

Rolled Plugs installed							
Stabilizer/rolled plug	assemblies insta	alled in "B"	inlet- 27 (S	Stabilizer Plug	P/N 1196122-0	02)	
Rolled Plugs installed	in "B" outlet- 3	5 (Threaded	Rolled P	lug P/N 12221	18-005)		
					·		

12. Remarks: Listed below are the number codes that apply to the repair activity items shown on the front page (1) Babcock and Wilcox Company

(2) Steam Generator #E24-1, S/N 620-0014-55-12

(3) ASME Section III, Class I, Division I

(4) Construction Code ASME III, 1968 Edition, 1968 Summer Addenda

(5) Code Cases 1332-4 and 1407-1

(6) AREVA NP Inc P/Ns for rolled plugs- 5023545-001(OTSG rolled plug) 1196122-002 (stabilizer plug) and 1222118-005 (threaded rolled plug)

(7) Rolled plug serial numbers and tube locations installed: See QCIR 9070372-000

(8) AREVA NP Inc.

(9) By others- FirstEnergy

(10) See AREVA NP INC QA data packages 23-9064671 and 23-9070075

CERTIFICATE OF CO	MPLIANCE
<ol> <li>Nick Simile, certify that to the best of my knowledge and belief the stat modification or replacement activities described above conforms to Section Code "NR" rules.</li> </ol>	
National Board Certificate of Authorization No <u>NR-64</u> to use the "NR's NR Certificate Holder <u>AREVA NP Inc</u> (name) A	tamp expires <u>May 17, 2009</u>
Date March 7, 2008 Signed LNA Since (authorized representative)	<u>Manager QA/QC Operations</u> (title)
	(,
CERTIFICATE OF IN	SPECTION
I <u>Ihomas G. Laps</u> , holding a valid commission issued by The National B of competency issued by the jurisdiction of <u>Ohio</u> and employed by <u>HSBC</u> replacement described in this report on <u>March 7, 2008</u> and state that to the or replacement activity has been completed in accordance with Section X 'NR' rules	T of <u>Hartford, CT</u> have inspected the repair, modification or best of my knowledge and belief, this repair, modification
By signing this certificate neither the undersigned nor my employer make	es any warranty, expressed or implied, concerning
the work described in this report Furthermore, neither the undersigned r	for my employer shall be liable in any manner for
any personal injury, property damage or loss of any kind arising from or o	connected with this inspection
Date March 7, 2008 Signed Thank & Lagh	Commissions NB9330 N I A Ohio Comm

### Page 115 of 238

# 15 RFO Inservice Inspection Summary

				I			
Owner FirstEne	Name		Date	January 30, 2008		······································	_
76 South	Main St., Akron, OH 4430	8		Sheet 1 of 1	. ·		
Plant Davis-Be	esse Nuclear Power Station		Unit		#1	·	
5501 N.	SR. 2, Oak Harbor, OH 434	49		Order # 200237871			ł
	Address FirstEnergy Nuclear Opera		Туре	Repair Organizati	on P.O. No., Jo	b No., etc.	
5501 N	ISP 2 Oak Harbor OH d	3440	Δ	uthorization No. 20			
	V. SR. 2, Oak Harbor, OH 4.			<u></u>			
		•		Expiration Date 07/	17/10	·	
Identification of System	ms Hanger M1170/H14	DB-SN	C417	(Subsys 062-01)			- 1
(a) Applicable Const	truction Code ANSI B31.1	1967 Edition	Later	Addenda Coc	le Case N	10	*
(b) Applicable Editio	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> I	Edition 96 A	ddonda	Code Case No	
		· ·	·- <u></u>				÷,
(c) Design Responsi	ibilities <u>First Energy Corp, Li</u>	isega inc.		<u> </u>		·	
	6. Identification of Comp	onents Repaired	or Replaced a	ind Replacement Cor	nponent	S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
nubber	Lisega Inc.	61195/57	N/A	DB-SNC417	' Unk.	Replaced	No
nubber	Lisega Inc.	30600271/099	N/A	DB-SNC417	2006	Replacement	No
							!
		<u> </u>					<u>د</u> ز
	<u></u>	<u> </u>	·····				<u>*</u>
·	<u></u>	7. Descript	ion of Work	<u> </u>	· · ·		<u> </u>
xisting Lisega snubbo	er (serial # 61195/57) was repl	······		placement snubber (	serial # 3	0600271/099).	
	n was completed satifactory.						
(a) Cont. ANSI B31	.1 & MSS-SP58				``.		
	······································	-0	· · ·				
		······	. <u>.</u>				
			· · · · · · · · · · · · · · · · · · ·	··			
				· <u> </u>		<del></del>	 
<u> </u>				<u> </u>	<u>_</u>		~~~
		Pneumatic No	Nom	inal Operating Pressure		Other No	
Tests Conducted:	Hydrostatic No			Test Temperature	WA	°F	- 1
	Pressure <u>N/A</u>	psi					
Pressure Relief V	Pressure <u>N/A</u> alves:						
Pressure Relief V Servic	Pressure <u>N/A</u> alves: 39 <u>N/A</u>	psi		ize <u>N/A</u>			
Pressure Relief V Servic	Pressure <u>N/A</u> alves:			ize <u>N/A</u> lowdown (if applicable)	N/A		
Pressure Relief V Servic Open	Pressure <u>N/A</u> alves: 39 <u>N/A</u>						

)B-0070-5	
FORM NIS-2/NR-1/ <del>NVR-</del> 1	
Apple abie Manutectures Data Reports to 9. REMARKS	be Atlached
N/A	
	·······
CERTIFICATE OF COMPLIANCE	· · · · · · · · · · · · · · · · · · ·
, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, replacement of the Items described above conforms to Section XI of the ASME Code and to the National Board Code "NR" rules.	
National Board Certificate of Authorization No.     20     to use the "NR" stamp expires     07/17/10       Date     01-30-08     FENOC     Signed     Crabin of repartication)	Q.C.
CERTIFICATE OF INSERVICE INSPECTION	
holding a valid commission issued by the National Board of Boiler and Pre- nspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>ASB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>JAN-30</u> , <u>Jaob</u> and s he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance (I of the ASME Code and the National Board Inspection Code "NR" rules.	tate that to
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any man personal injury, property damage or loss of any kind arising from of connected with this inspection.	A CONL
CERTIFICATE OF COMPLIANCE	
N/A , certify that to the best of my knowledge and belief the statements made in correct and the repair, modification, or replacement of the pressure relief devices described above conforms to the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	this report are Section XI of
lational Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10	
National Board Certificate of Authorization No 20 to use the "NR" stamp expires 07/17/10	
Date	Q.C. 36-
CERTIFICATE OF INSERVICE INSPECTION	
N/A holding a valid commission issued by the National Board of Boiler and Pres	Nonal
ISB CI of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report and state that to the best of my knowledge and belief, this repair, modification or replacement described in the replacement described in the replacement described in the replacement described in the describ	on nent has been
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, epair, modification or replacement described in this report. Furthermore, neither the undersigned nor my emplo able in any manner for any personal injury, property damage or loss of any kind arising from or connected with	over shall be
Date Signed Commissions	
(Inspeciar) (National Board (Incl endor	sements),
. and jurisdictions and no ))	-

· F	ORM NIS-2/NR-1/ <del>NVR-1</del> C As_Required	WNER'S REPO			PLAC	EMENTS	· · · · · · · · · · · · · · · · · · ·
Owner First	Energy Corp.		Date	Јапцагу 28, 2008			
_76 Sc	uth Main St., Akron, OH 4430	)8	~	Sheet 1 of 1			
Plant Davi	-Besse Nuclear Power Station		Unit		#1		
_5501	N. SR. 2, Oak Harbor, OH 43	149	_	Order# 200237898 Repair Organizat			
:	y FirstEnergy Nuclear Oper		Туре	Code Stamp <u>NR</u>		66 No., etc.	
55	1 N. SR. 2, Oak Harbor, OH	13449	. A	/ uthorization No <u>20</u>			÷.
	Address			Expiration Date _07,	/17/10		
Identification of S	stems Hanger CCA-18-1-H2	, DB-SNC41	9(Subs	ys 065-01		·	
(a) Applicable C	onstruction Code ANSI B31.1	1967 Edition	Later	Addenda Coo	de Case I	No	
(b) Applicable E	dition of Section XI Utilized for Repair	s or Replacements	19 <u>95</u> I	Edition <u>96</u>	Addenda	Code Case No	<b>b</b>
(c) Design Resp	onsibilities <u>FirstEnergy Corp., I</u>	isega Inc		· · ·	<u> </u>	<u></u>	1 - 1 - 1 - 1 
	6. Identification of Com	ponents Repaired	or Replaced a	ind Replacement Co	mponent	s	
Name of Compone	nt Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASM Code Stamp
ubber	Lisega Inc.	61195/88	N/A	DB-SNC419	Unk.	Replaced	No
ubber	Lisega Inc.	30600271/050	<u>N/A</u>	DB-SNC419	2006	Replacement	No
				· · · · ·			İ
		7. Descript	tion of Work	1			·
isting Lisega sno	ibber (serial # 61195/88) was rep	laced with a new l	ike for like re	placement snubber (	serial# 3	0600271/050).	·····
a) cont. ANSI B	31.1 & MSS-SP58	· · · · · · · · · · · · · · · · · · ·		······			
					·		
		Pneumatic No	Nom	inal Operating Pressure Test Temperature		Other No °F	
Tests Conducte	-						•
Tests Conducte Pressure Reli	Pressure <u>N/A</u>			_			
Pressure Reli	Pressure <u>N/A</u> of Valves:		SI	ze <u>N/A</u>			
Pressure Reli S	Pressure <u>N/A</u> of Valves:	psi			N/A		  
Pressure Reli S	Pressure <u>N/A</u> of Valves: ervice <u>N/A</u>	psi		ze <u>N/A</u>			  

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I. Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       01-28-08
CERTIFICATE OF INSERVICE INSPECTION
I, <u>Thomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN 28,3000</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date <u>C126/08</u> Signed <u>Thomas 21</u> Commissions <u>NB9328</u> <u>NIA</u> Concerning the personal injury property damage or loss of any kind arising from of connected with this inspection.
CERTIFICATE OF COMPLIANCE
I, N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CT       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been         completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(inspector) (National Board (incl endorse-menits), and juniadictions and no.))

Owner       FirstEnergy Corp.         Name	Au (Subsys Later A 1995 E	Addenda Cod	17/10 le Case N		
Addition         Name         S501 N. SR. 2, Oak Harbor, OH 43449         Address         Work Performed by       FirstEnergy Nuclear Operating Co.         Name         S501 N. SR. 2, Oak Harbor, OH 43449         Address         Work Performed by       FirstEnergy Nuclear Operating Co.         Name         Address         Identification of Systems         Hanger M1142/H22, DB-SNC420         (a) Applicable Construction Code         ANSI B31.1         1967 Edition         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements	Type Au (Subsys Later 4 19 <u>95</u> E	Order# 200237899       Repair Organization       Code Stamp     NR       uthorization No.     20       Expiration Date     07/       064-04)     Code	an P.O. No., Joe 17/10 Ne Case N		
Name <u>5501 N. SR. 2, Oak Harbor, OH 43449 Address Work Performed by FirstEnergy Nuclear Operating Co. Name 5501 N. SR. 2, Oak Harbor, OH 43449 Address Identification of Systems Hanger M1142/H22, DB-SNC420 (a) Applicable Construction Code ANSI B31.1 1967 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replacements </u>	Type Au (Subsys Later 4 19 <u>95</u> E	Repeti Organaze Code Stamp <u>NR</u> uthonization No. <u>20</u> Explication Date <u>07/</u> 064-04) Addenda Coo	an P.O. No., Joe 17/10 Ne Case N		
Work Performed by       FirstEnergy Nuclear Operating Co.         Name	Au (Subsys Later A 1995 E	Repeti Organaze Code Stamp <u>NR</u> uthonization No. <u>20</u> Explication Date <u>07/</u> 064-04) Addenda Coo	17/10 le Case N		
Name	Au (Subsys Later A 1995 E	uthorization No. <u>20</u> Expiration Date <u>07/</u> 064-04) Addenda Coo	ie Case N	10	
Identification of Systems <u>Hanger M1142/H22</u> , <u>DB-SNC420</u> (a) Applicable Construction Code <u>ANSI B31.1</u> 1967 Edition (b) Applicable Edition of Section XI Utilized for Replacements	(Subsys Later 4 19 <u>95</u> E	Expiration Date <u>07/</u> 064-04) Addenda Coo	ie Case N		 
(a) Applicable Construction Code <u>ANSI B31.1</u> 1967 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replacements	(Subsys Later 4 19 <u>95</u> E	064-04) Addenda Cod	ie Case N		
(a) Applicable Construction Code <u>ANSI B31.1</u> 1967 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replacements	Later 4 19 <u>95</u> E	Addenda Cod		Io	-
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	19 <u>95</u> E			lo	
		Edition <u>96</u> A			
(c) Design Responsibilities _FirstEnergy Corp., Lisega Inc.	· .		ddenda	Code Case No	
			· · · · ·	· <u>·</u> ··································	
6. Identification of Components Repaired or	Replaced a	nd Replacement Cor	nponents		
Name of Component Name of Manufacturer Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
nubber Lisega Inc. 61195/70 1	N/A	DB-SNC420	Unk.	Replaced	No
nubber Lisega Inc. 30600271/084 1	N/A	DB-SNC420	2006	Replacement	No
		· · · · · · · ·			
7. Description	n of Work			(	
xisting Lisega snubber (serial # 61195/70) was replaced with a new like		Discement snubber (	eria1# 3/	0600271/084)	
xisting Lisega shubber (serial # 01195/70) was replaced with a new fix		placement shubber (s	seriai# 50	000271/084).	
(a) cont. ANSI B31.1 & MSS-SP58					
					ale طر
Tests Conducted: Hydrostatic No Pneumatic No Pressure <u>N/A</u> psi		inal Operating Pressure Test Temperature		Other No	
Pressure Relief Valves:					
Service N/A	Si	ze N/A		•	
Opening Pressure N/A	· B)	owdown (if applicable)	N/4		-
Set Pressure and Blowdown Adjustments Made Using N/		(Test Med		· · · · · · · · · · · · · · · · · · ·	
at N/A	(Location)				•

FORM NIS-2/NR-1/AVVR-1         Applicable Maindeques Data Reports to be Attached         9. REMARKS       Applicable Maindeques Data Reports to be Attached         N/A       CERTIFICATE OF COMPLIANCE         I. Richard R. Cockrell, certify that the statements made in this report are correct and the repair, modification replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	ssel to ction
9. REMARKS         N/A         CERTIFICATE OF COMPLIANCE         I, Richard R. Cockrell, certify that the statements made in this report are correct and the repair, modification replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspectio Code "NR" rules.         National Board Certificate of Authorization No. 20 to use the "NR" startProxpires	ssel to ction
CERTIFICATE OF COMPLIANCE         I, Richard R. Cockrell, certify that the statements made in this report are correct and the repair, modification replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	ssel to ction
Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No.       20	ssel to ction
Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         Vational Board Certificate of Authorization No.       20	ssel to ction
Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No.       20	ssel to ction
	ssel to ction
	ssel to ction
Code "NR" rules.         National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10         Date       D1-2R-08       FENOC (name of repair organization)       Signed       D.C. (name of repair organization)         CERTIFICATE OF INSERVICE INSPECTION         Infomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Ves         National Certificate of competency issued by the jurisdiction of OHIO and employed by         ISB CI of Hartford, CI have inspected the work described in this report on JAN 28,08 and state that the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Sec KI of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the second concerning the certificate of complete the undersigned nor my employer makes any warranty, expressed or implied, concerning the second colspan="2">Center Colspan="2">CENTIFICATE OF INSERVICE INSPECTION	to
Date       D1-28-08       FENOC (nume of repair organization)       Signed       Signed       Q.C.         CERTIFICATE OF INSERVICE INSPECTION         Inomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Ves inspectors and certificate of competency issued by the jurisdiction of ISB CI of Hartford, CI have inspected the work described in this report on the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Sec KI of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning	to ction
CERTIFICATE OF INSERVICE INSPECTION <u> </u>	to ction
holding a valid commission issued by the National Board of Boiler and Pressure Ves nspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>ISB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>IAN.28,00</u> and state that the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Sec KI of the ASME Code and the National Board Inspection Code "NR" rules.	to ction
nspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>ISB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN.78,06</u> and state that the he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Sec (I of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning	to ction
vork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for an bersonal injury, property damage or loss of any kind arising from of connected with this inspection. Date <u>12808</u> Signed <u>Thomas Japan</u> Commissions <u>NB 9330</u> NI A	
CERTIFICATE OF COMPLIANCE	
N/A , certify that to the best of my knowledge and belief the statements made in this reporter the statements made in this reporter the pressure relief devices described above conforms to Section X the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	
lational Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10	ł
ational Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10	
ate FENOC Signed Q.C.	
CERTIFICATE OF INSERVICE INSPECTION	ដែម
N/A	:
and state that to the best of my knowledge and belief, this repair, modification or replacement has l ompleted in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules	
ly signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concernir epair, modification or replacement described in this report Furthermore, neither the undersigned nor my employer shall able in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspe	lbe
Date Signed Commissions	
CONTRESSIONS (Indexionamental) (Inspector) CONTRESSIONS (Indexionamental) and jurisdictions, and no.))	

1. Owner FirstEne	rgy Corp.		Date	January 28, 2008			
76 South	Main St., Akron, OH 44308	š		Sheet 1 of 1			
	esse Nuclear Power Station		Unit		#1	~	2
· ·	Name SR. 2, Oak Harbor, OH 4344	49		Order # 200237901			
	FirstEnergy Nuclear Opera		- Tvpe	Repair Organizat	ion P.O. No., Je	sh No., etc.	
	Name N. SR. 2, Oak Harbor, OH_43			uthorization No. 20		·····	
	Address	· · ·		Expiration Date _07/			
Identification of Syster	ns Hanger CCB-8-15-H1,	DB-SI	NC425	(Subsys 064-			
						· · · · · · · · · · · · · · · · · · ·	
(a) Applicable Const	ruction Code ANSI B31.1	1967 Edition	· · ·		le Case Ì	-	36.1
(b) Applicable Editio	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition <u>96</u>	Addenda	Code Case No	)
(c). Design Respons	bilities First Energy Corp, Lis	sega Inc.			<u> </u>	<u> </u>	
	C. Identification of Comp						
<i></i>	6. Identification of Compo		T	r	r	T	T
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Beard No	Other (dentification/ Jurisdictional No.	Year Built	Replaced or Replaced or Replacement	ASME Code Stamp
nubber	Lisega Inc.	61195/29	N/A	DB-SNC425	Unk.	Replaced	No
nubber	Lisega Inc.	30600271/085	N/A	DB-SNC425	2006	Replacement	No
							<b> </b>
		· · · · · · · · · · · · · · · · · · ·					
·							····
		7. Descript	ion of Work	· · · · · · · · · · · · · · · · · · ·	·		<u> </u>
cisting Lisega snubb	er (serial # 61195/29) was repla	aced with a new li	ike for like re	placement snubber (	serial # :	30600271/085)	
·	·						·
(a) Cont. ANSI B31.	1 & MSS-SP58						
				. <u> </u>			· · · · ·
	······						
······································				**************************************			1.11
							יי <u>ן</u> ז'וןי
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure	- No	Other No	
	Pressure N/A	psi		Test Temperature		°F	
Pressure Relief V				•		·	
Servi	ce N/A		Si	ze N/A			
	ing Pressure <u>N/A</u>			owdown (if applicable)	<u>_N/A</u>		
			N/A				
	ressure and Blowdown Adjustment	a made calling _1		(Test Me	skum)		- :-

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I, Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date <u>DI-2.8-08</u> <u>FENOC</u> Signed <u>Functual R Crouel</u> <u>Q.C.</u>
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CI       of <u>Hartford</u> , CT         have inspected the work described in this report on the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 12408 Signed Thomas 2004 Commissions NB038 NITA 6th 0 <sup>31</sup>
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
I, N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires _07/17/10
Date FENOC Signed Q.C.
I.       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been         completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the
repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions

DB-0070-5							
FOR	M NIS-2/NR-1/ <del>NVR-1</del> O As Required	WNER'S REPO			PLACE	EMENTS	
Owner FirstEne	igy Corp.		Date	January 28, 2008			
<u>_76 South</u>	Main St., Akron, OH 44308	8		Sheet 1 of 1			
	Address Sese Nuclear Power Station		Unit		#1		
	Name	40	0,	Orde:# 200237904		•	
	SR. 2, Oak Harbor, OH 434		-	Repair Organizat	ian P.O. No., Ja	b No., eic.	- <b></b> .
Work Performed by _	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			 
<u>5501 N</u>	SR. 2, Oak Harbor, OH 43	3449	A	uthorization No. 20	<del></del>		₹°. 
	· .			Expiration Date	/17/10		i
Identification of System	ns Hanger CCB-8-15-H2,	DB-SNC42	6 (Subs	ys 064-03)			·
(a) Applicable Constr	ruction Code ANSI B31.1	1967 Edition	Later	Addenda Coo	de Case Ì	Įό	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 _95	Edition <u>96</u>	Addenda	Code Case No	<b>)</b>
(c) Design Responsi	bilities FirstEnergy Corp., Li	sega Inc	<u>.</u>			· · ·	
	6. Identification of Comp	onents Repaired	or Replaced a	ind Replacement Co	mponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
Snubber	Lisega Inc.	61195/45	N/A	DB-SNC426	Unk.	Replaced	No
nubber	Lisega Inc.	30600271/098	N/A	DB-SNC426	2006	Replacement	No .
						<u> </u>	
	<u> </u>	7. Descript	ion of Mork	l	<u> </u>	L	
xisting Lisega snubbe	er (serial # 61195/45) was repl			placement snubber (	serial# 3	0600271/098).	Febr
				• •_ •=== ·· · · · · · · · · · · · · · · · ·			
.(a) cont. ANSI B31.1	& MSS-SP58						
				·			
	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure	e No	Other No	-
Tests Conducted:				T	114	۴F	
	Pressure <u>N/A</u>	psi		Test Temperature	<u>va</u>	'	
Pressure Relief V	Pressure <u>N/A</u> alves:	psi	c,		<u>.va</u>		
Pressure Relief V Servio	Pressure <u>N/A</u> /alves: 5e <u>N/A</u>	psi		ize <u>N/A</u>		'	, ;;, -; 
Pressure Relief V Servic Openi	Pressure <u>N/A</u> alves: ce <u>N/A</u> ing Pressure <u>N/A</u>	· · · · · · · · · · · · · · · · · · ·	В			'	
Pressure Relief V Servic Openi	Pressure <u>N/A</u> /alves: 5e <u>N/A</u>	· · · · · · · · · · · · · · · · · · ·		ize <u>N/A</u>	<u>N/A</u>		

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I
CERTIFICATE OF INSERVICE INSPECTION
I, <u>Ihomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN. 28, 98</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section. XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 128/08 Signed Thread of the the thread of the thread of the thread of the thread of the thread o
CERTIFICATE OF COMPLIANCE
I, N/A       , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10
Date FENOC Signed Q.C. Unit
CERTIFICATE OF INSERVICE INSPECTION
I.       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been       completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall beare liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions

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15 RFO Inservice Inspection Summary FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

	As Required	by the Provisions		REPAIRS OR RE Code Section XI			
Owner FirstEne	rgy Corp.		Date	January 28, 2008	<u> </u>		
76 South	Main St., Akron, OH 44308	<u> </u>		Sheet 1 of 1			5.5 191
Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
5501 N.S	SR. 2, Oak Harbor, OH 434	49	-	Order# 200237906	an P.O. No., Jo	b No., etc.	<del>_</del>
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
<u>5501 N</u>	SR. 2. Oak Harbor, OH 4.	3449	A	uthorization No. 20			
, <sup>1</sup> -				Expiration Date _07/	17/10_		
Identification of Syster	ns Hanger CCB-8-22-H3,	DB-SNC42	7 (Subsy	vs 064-03)			,
(a) Applicable Const	ruction Code ANSI B31.1	1967 Edition	Later A	Addenda Coc	le Case N	lo	in the
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition A	Addenda	Code Case No	
(c) Design Responsi	bilities FirstEnergy Corp., Li	sega Inc	•		r	. <u></u>	. 17 . •
;,,,,,,,,,,	C. Identification of Comp.						
	6. Identification of Comp	1	7 <del></del>		<b></b>	T	<u> </u>
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	'National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
nubber	Lisega Inc.	61195/40	N/A	DB-SNC427	Unk.	Replaced	No
nubber	Lisega Inc.	30600271/046	N/A	DB-SNC427	2006	Replacement	No
		<u> </u>		<u></u>			<u> </u>
	······································	{					
					·		
		7. Descript	ion of Work				
xisting Lisega snubbe	r (serial # 61195/40) was repla	aced with a new l	ike for like re	placement snubber (	serial# 3	0600271/046).	
.(a) cont. ANSI B31.1	& MCS_SP58		· _·	·	<u> </u>	·	<del></del> ,
.(a) com. A1451 B51.1	6 M155-51 55			······			
			· · · · · · · · · · · · · · · · · · ·				
			<sup>·</sup>		·		
<del></del>	<u>.</u>		<u></u>				
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure	No No	Other No	
Desseurs Dalisf )/	Pressure <u>N/A</u>	psi		Test Temperature	<u>∛A</u>	°F	•
Pressure Relief V		•					
Servic				ze <u>N/A</u>			
Openi	ng Pressure N/A		B	owdown (if applicable)	<u>N/A</u>		
• •		s Made Using 1	N/A				• •
· .	essure and Blowdown Adjustment			(Test Med	sum)		
• •				(Test Med	sum)		

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		FORM NIS-2	NR-1/ <del>NVR-1</del>			
		9. REMARK	S	Applicable Manufacturers Data Reports to	be Attached	- :-
N/A						
	<u> </u>		<u> </u>			
		ERTIFICATE O	FCOMPLIANCE			
Richard R. Cock replacement of the Code "NR" rules.	rell , certify that items described above confor	the statements	made in this report are c (I of the ASME Code and	orrect and the repair, to the National Board	modificatio I Inspectior	n, or
- · · .	tificate of Authorization No.	20 to use th	e "NR" stanpprexpires	07/17/10		
Date 01-28-	DB FEN (name of repair		Signed June 1	R Cochece	Q.C.	
	CERTI	FICATE OF INS				<u> </u>
HSB CI of 1 the best of my kno	tificate of competency issued I	by the jurisdiction of the work desc modification or	pribed in this report on replacement has been co	employed by	state that to	
work described in t	ificate, neither the undersigne his report. Furthermore, neith perty damage or loss of any k	er the undersig ind arising from	ned nor my employer sha	Il be liable in any man	concernin ner for any	g the
Date 124/08	Signed Them	n 2 Jour	Commission	NBG330 N (National Board (not enco- and periodictions, and no.))	IA Co	onn Hd.
	C					
	, certify that air, modification, or replacemend to the National Board Inspe	ent of the press				
National Board Cei	tificate of Authorization No.	316 to use	the "VR" stamp expires	12/13/10		i
Vational Board Cer	tificate of Authorization No.	20to use	the "NR" stamp expires	07/17/10	·	
Date	FEN (name of repair	OC	Signed	resentative)	Q.C.	
	CEDTI		ERVICE INSPECTION			ihe.
HSBCI of H	tificate of competency issued b	by the jurisdictio the repair, moo f my knowledge	dification or replacement of and belief, this repair, m	employed by described in this report podification or replacer	l on nent has b	een
epair, modification	ificate, neither the undersigned or replacement described in t er for any personal injury, prop	his report. Fur	hermore, neither the unde	ersigned nor my emplo	oyer shall b	5e
Date	Signed		Commission	IS		
		(inspector)	· · · · · · · · · · · · · · · · · · ·	(National Board (incl andor and jurisdictions and no.))	Sements),	

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

Owner FirstEnd	ergy Corp.		Date	January 30, 2008	_		
76 5							,
<u>_/6 South</u>	1 Main St., Akron, OH 4430 Address	8		Sheet 1 of 1			
Plant Davis-B	esse Nuclear Power Station		Unit		<u>#1</u>		
5501 N.	SR. 2, Oak Harbor, OH 434	149	-	Order	#20023		
Work Performed by	FirstEnergy Nuclear Operation	ating Co.	Турэ	Code Stamp NR			
5501 0		2440		uthorization No. 20	,		1960 1960
	N. SR. 2, Oak Harbor, OH 4		~	201 101 22001 110, <u>20</u>			<u></u> अस ही
				Expiration Date _07/	17/10		· ·
Identification of Syste	ms Hanger M1170 / H11	DB-SN	IC414	(Subsys 062-01)		· · · · · · · · · · · · · · · · · · ·	
(a) Applicable Const	truction Code ANSI B31.1	1967 Edition	Later	Addenda Coo	le Case N	ło	
(b) Applicable Editio	n of Section XI Utilized for Repairs	s or Replacements	19 <u>95</u>	Edition _96 A	ddondo	Code Case No	
					uqenda	CODE CASE INC	
(c) Design Respons	ibilities First Energy Corp., I	Jisega Inc.		• • • • • • • • • • • • • • • • • • •			
	6. Identification of Comp	onents Repaired	or Replaced a	and Replacement Cor	nponent	5	
lame of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
ubber	Lisega Inc.	30500235/015	N/A	DB-SNC414	Unk.	Replaced	No
ubber	Lisega Inc.	30600271/097	N/A	DB-SNC414	2006	Replacement	No and
	· · ·		 			·	
	<u> </u>					· · · · · · · · · · · · · · · · · · ·	; *
		7. Descript	ion of Work			<u> </u>	<u> </u>
isting Lisega snubb	er (serial # 30500235/015) was	s replaced with a 1	new like for li	ike replacement snub	ber ( ser	ial # 30600271/09	97).
	1 & MSS-SP58						
(a) cont. ANSI B31.							
	performed satisfactory.						
	s performed satisfactory.						
	s performed satisfactory.	· · · · · · · · · · · · · · · · · · ·					ME
	s performed satisfactory.						
	s performed satisfactory.	Pneumatic No	Nom	ninal Operating Pressure	No	Other No	
VT-3 inspection wa		Pneumatic No	Norr	ninal Operating Pressure Test Temperature		Other No	<u>نا د</u> فاربا !
VT-3 inspection wa	Hydrostatic No Pressure <u>N/A</u>		Nom				<u>نا د</u> فاربا !
VT-3 inspection was Tests Conducted:	Hydrostatic No Pressure <u>N/A</u> 'alves:						<u>نا د</u> فاربا !
VT-3 inspection was Tests Conducted: Pressure Relief V Servi	Hydrostatic No Pressure <u>N/A</u> 'alves:		S	Test Temperature	<u>VA</u>		
Tests Conducted: Pressure Relief V Servi Open	Hydrostatic No Pressure <u>N/A</u> 'alves: ce <u>N/A</u>	psi	S	Test Temperature	<u>I/A</u> N/A		ме 196

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FORM NIS-2/NR-1AVR-1      Second State Measurement bits Report are correct and the repair, modification, or     replacement of the flems described above conforms to Section XI of the ASME Code and to the National Board Inspection     CettriFicATE OF COMPLIANCE      I. Kevin J. Kress         , certify that the statements made in this report are correct and the repair, modification, or     replacement of the flems described above conforms to Section XI of the ASME Code and to the National Board Inspection     Code "NN" rules.     CettriFicATE OF INSERVICE INSPECTION      I. Thomas G. Laps     holding a valid commission issued by the National Board of Boiler and Pressure Vessel     Inspectrement has been completed in accordance with Section     XI of the ASME Code and the National Board Inspection     CettriFicATE OF COMPLIANCE      I. Thomas G. Laps     holding a valid commission issued by the National Board of Boiler and Pressure Vessel     Inspectrement has been completed in accordance with Section     XI of the ASME Code and the National Board Inspection     CettriFicATE OF COMPLIANCE     I. Thomas G. Laps     holding a valid commission issued by the National Board of Boiler and Pressure Vessel     Inspectrement has been completed in accordance with Section     XI of the ASME Code and the National Board Inspection Code "NH" rules.     By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the     work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any     personal injury, property damage or loss of any kind arising from of connected with this inspection.     Date		
	DB-0070-5	
B. REMARKS      N/A      CERTIFICATE OF COMPLIANCE      I. Kucin J. Kucas     . certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection     Code 'NA'' rules. National Board Certificate of Authorization No. 20 to use the 'NR' stamp expires     O7/17/10      Date 1-30-08     FENOC' Signed Origination     CERTIFICATE OF INSERVICE INSPECTION      I. Thomas G. Laps     holding a valid commission issued by the National Board of Boiler and Pressure Vessel     Inspectors and certificate of competency issued by the jurisdiction of OHDO and employed by     HSB CT of Hartford, CT have inspected the work described in this report on     JAL 31 2020 and state that to     the best of my knowledge and bellet, this repair, modification or replacement has been completed in accordance with Section- XI of the ASME Code and the National Board Inspection Code "NA" rules. By signing this certificate, neither the undersigned nor my employer shall be liable in any manner for any     personal injury, properly damage or loss of any kind arising from of commissions     MBT3254    M TAC     CERTIFICATE OF COMPLIANCE     N/A	FORM NIS-2/NR-1/ <del>NVR-1</del>	
CERTIFICATE OF COMPLIANCE         I, Kevin J. Kress       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No. 20 to use the "NR" stamp expires       07/17/10         Date       I-30-08       FENOC       Signed       07/17/10         CertriFICATE OF INSERVICE INSPECTION       I. Thomas Q. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of OHDO and employed by       HSE CI of Hartford, CI have inspected the work described in this report on JAL 30x9D, and state that to the best of my knowledge and bellet, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, properly damage or loss of any kind arising from of connected with this inspection.         Date       131       98       Signed       11/4       MI A         .	9. REMARKS	
I.       Kevin J. Kress	N/A	
I.       Kevin J. Kress		
I.       Kevin J. Kress		
I.       Kevin J. Kress		
replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No. 20       to use the "NR" stamp expires       07/17/10         Date	CERTIFICATE OF COMPLIANCE	
Date       1-30-08       FENOC       Signed       Q.C.         CERTIFICATE OF INSERVICE INSPECTION         I, Ihomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHO       and employed by         HSB C1       of       Hardrof, C1       have inspected the work described in this report on       JAL 31 200B       and state that to         The best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section       XI of the ASME Code and the National Board Inspection Code "NR" rules.       By signing this certificate, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.       OHO         Date       1/31 08       Signed       Therway       Usersate relief devices described in this report are completed in this report are completed in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.       12/13/07         NA       .certificate of Authorization No. 316       to use the "VR" stamp expires       12/13/07         National Board Certificate of Authorization No. 20       to use the "NR" stamp expires       07/17/10         Date       FENOC <td>replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection</td>	replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection	
I. <u>Thomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CI of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN. 31, 200B</u> and state that to the best of my knowledge and bellef, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.       NI I A         Date <u>II 31 DR</u> Signed <u>Theorear</u> <u>Horna</u> Commissions       NBG3250 <u>NI I A</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u>	Date 1-30-08 FENOC Signed ( J.L. Q.C.	
I. <u>Thomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CI of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN. 31, 200B</u> and state that to the best of my knowledge and bellef, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.       NI I A         Date <u>II 31 DR</u> Signed <u>Theorear</u> <u>Horna</u> Commissions       NBG3250 <u>NI I A</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u>	CERTIFICATE OF INSERVICE INSPECTION	
work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.         Date       131 08       Signed       Thermal Horm       Commissions       NBG324       N I A       Official official distancementality.         Date       131 08       Signed       Thermal Horm       Commissions       NBG324       N I A       Official official distancementality.         (Intermediation of complementation of complementation of complementation.         CERTIFICATE OF COMPLIANCE         I,       N/A       , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316 to use the "VR" stamp expires       12/13/07         National Board Certificate of Authorization No.       20 to use the "NR" stamp expires       07/17/10         Date       FENOC       Signed       Q.C.         (undexted repairs organization)         (Intermediation or mathematication)         Date       FENOC         (Intermediatin the repair organization) <td cols<="" td=""><td>I, <u>Ihomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN-31, 200B</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section –</td></td>	<td>I, <u>Ihomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN-31, 200B</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section –</td>	I, <u>Ihomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN-31, 200B</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section –
I, N/A	work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 131 08 Signed Therman Board Commissions NB9336 NIA Commissions	
correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/07         National Board Certificate of Authorization No.       20       to use the "VR" stamp expires       07/17/10         Date	CERTIFICATE OF COMPLIANCE	
National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       FENOC       Signed       Q.C.         (nume of repart organization)       Signed       Q.C.         CERTIFICATE OF INSERVICE INSPECTION         I,       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CT       have inspected the repair, modification or replacement described in this report on	I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of	
Date       FENOC       Signed       Q.C.         (nutrot ced representative)       Q.C.       (nutrot ced representative)       Q.C.         CERTIFICATE OF INSERVICE INSPECTION         I, N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on	National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/07	
(N/A      (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A     (N/A	National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10	
I, <u>N/A</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by HSB CT of Hartford, CI have inspected the repair, modification or replacement described in this report on		
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by HSB CT of Hartford, CT have inspected the repair, modification or replacement described in this report on	CERTIFICATE OF INSERVICE INSPECTION	
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.	I, <u>N/A</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.	
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall being liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.	repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall being	
Date Signed Commissions(National Board (incl enconsemental).	Date Signed Commissions	
(inspectory (reasonal board (incl encodements), and jurisdicitions, and no })	(readout a county and encodedments), and jurisdictions, and no }}	

DB-0070-5 FORI	M NIS-2/NR-1/ <del>NVR-1</del> OV				PLACE	MENTS	·····
		by the Provisions	of the ASME				<u></u>
1 Owner FirstEner	rgy Corp. Name	· · · · ·	Date	January 29, 2008			
76 South	Main St., Akron, OH 44308	L		Sheet 1 of 1			· ·
2. Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
<u>5501 N. S</u>	R. 2, Oak Harbor, OH 4344	19	-	Order# 200237914 Repair Organizati	in P.O. No., Jo	b Nio., etc.	
3. Work Performed by	FirstEnergy Nuclear Operat	ting Co.	Туре	Code Stamp <u>NR</u>			
<u>5501 N</u>	. SR. 2. Oak Harbor, OH 43	449	A	uthorization No. 20			
				Expiration Date _07/	17/10		
4. Identification of System	ns Hanger M1170/H2	DB-SNC41	2	(Subsys 062-01)			
5 (a) Applicable Constr	uction Code ANSI B31.1	1967 Edition	Later	Addenda Coc	ie Case N	ło	200
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 95	Edition <u>96</u>	ddenda	Code Case No	
(c) Design Besponsit	bilities First Energy Corp. Lis	sega Inc.		· · · · · · · · · · · · ·			. 49
(0)				· · · · · · · · · · · · · · · · · · ·		·	: ۲. چنب
	6. Identification of Compo	onents Repaired (	or Replaced a	nd Replacement Col	nponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.,	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
Snubber	Lisega Inc.	61200/17	N/A	DB-SNC412	Unk.	Replaced	No
Snubber	Lisega Inc.	30700256/008	N/A	DB-SNC412	2007	Replacement	No
			ļ	· · · · · · · · · · · · · · · · · · ·	·		
		· · · · · · · · · · · · · · · · · · ·		~			
•							
		7. Descript					
	r (serial # 61200/17) was repla was completed satisfactory.	nced with a new I	ike for like re	placement snubber (	serial #	30700256/008).	
5. (a) Cont. ANSI B31.						<u></u>	
// (4/ 00/01/01/01/01/01/01/01/01/01/01/01/01/0		`					
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		3	······	· · · · · · · · · · · · · · · · · · ·			 A.M.
		3				· · · · · · · · · · · · · · · · · · ·	
		, ,			·····		
8 Tests Conducted:	Hydrostatic No	, Pneumatic No	Nom	inal Operating Pressure		Other No	<u></u>
	Pressure <u>N/A</u>	, Pneumatic No psi	Nom	inal Operating Pressur Test Temperature		Other No °F	<u></u>
Pressure Relief Va	Pressure <u>N/A</u> alves:	psi		Test Temperature		°F	
Pressure Relief Va Servic	Pressure <u>N/A</u> alves: e <u>N/A</u>		Si	Test Temperature	<u>V/A</u>	°F	
Pressure Relief Va Servic Openi	Pressure <u>N/A</u> alves: e <u>N/A</u> ng Pressure <u>N/A</u>	psi	Si	Test Temperature	<u>V/A</u>	°F	<u></u>
Pressure Relief Va Servic Openi	Pressure <u>N/A</u> alves: e <u>N/A</u>	psi	Si	Test Temperature	<u>V/A</u>	°F	
Pressure Relief Va Servic Openi	Pressure         N/A           alves:	psi	Si	Test Temperature <u>N</u> ze <u>N/A</u> owdown (if applicable)	<u>V/A</u>	°F	<u></u>

CERTIFICATE OF COMPLIANCE      NA      Kichard R, Cockrell      CERTIFICATE OF COMPLIANCE      Richard R, Cockrell      CERTIFICATE OF INSERVICE INSPECTION      CERTIFICATE OF INSERVICE INSPECTION      Signed The state inspection and employed by      Rise Coll and the repair, modification, or      repairement of the items described above contorms to Section XI of the ASIME Code and to the National Board Inspection      Code TNPT rules. National Board Certificate of Authorization No. 20     to use the "NR" stamp express     O//11/10      Date OI 29.08     PENOC      FENOC      CERTIFICATE OF INSERVICE INSPECTION      Inspectors and certificate of competency issued by the jurisdiction of OFID and employed by      Rise CI of Hardrod, CL have inspected the work described in this report on JINL20, LUCE and state that to.      The Table of Inservice and the repair, modification, coreplacement has been completed in accordance with Section      XI of the ASIME Code and the National Board Inspection Code "NR" rules.      By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the     work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any     personal injury, property damage or loss of any kind atsing from of connected with this inspection.     Signed Thouse M and M a	DB-0070-5
S. REMARKS N/A CERTIFICATE OF COMPLIANCE  I. Richard R. Cockrell, certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	
CERTIFICATE OF COMPLIANCE         I. Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No. 20 to use the "NR" stamp expires       07/17/10         Date       OI-29-09       FENOC       Signed       OI-20100000000000000000000000000000000000	
CERTIFICATE OF COMPLIANCE         I. Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No. 20 to use the "NR" stamp expires       07/17/10         Date       OI-29-09       FENOC       Signed       OI-20100000000000000000000000000000000000	N/A
1.       Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         Code "NR" rules.       National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	
1.       Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         Code "NR" rules.       National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	
1.       Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         Code "NR" rules.       National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	
I.       Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         Code "NR" rules.       National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	
replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	
Date       D1-29-05       FENOC       Signed       Constraint forward instruction       O.C.         CERTIFICATE OF INSERVICE INSPECTION         1, Ihomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by       OHIO and employed by         BSC C_ of Hartford, CI have inspected the work described in this report on JAM 30 JSC0Band state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.         Date       1/30 000       Signed       There of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No. 316       to use the "VR" stamp expires       12/13/10         Date       ERTIFICATE OF INSERVICE INSPECTION       11/16         National Board Certificate of Authorization No. 20       to use the "VR" stamp expires       12/13/10         CERTIFICATE OF INSERVICE INSPECTION         1, N/A       holding a valid commi	replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection
CERTIFICATE OF INSERVICE INSPECTION  I. Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of DHO_and employed by HSB C1 of Hartford, C1 have inspected the work described in this report on JAN 20, 2000 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 133000 Signed Thouse Law Commissions 18300 NIT A '''''''''''''''''''''''''''''''''''	National Board Certificate of Authorization No. 20 to use the "NR" stamp expires07/17/10
I. Ihomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of	
Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by HSB CT of Hartford, CT have inspected the work described in this report on JAN 30, 2008 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section W for the ASME Code and the National Board inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 13300 Signed Thouse Beyer Commissions CERTIFICATE OF COMPLIANCE I, N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 07/17/10 Date HENOC Signed Certificate of competency issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by HSB CI of Hartford, CI have inspected the repair, modification or replacement has been CERTIFICATE OF INSERVICE INSPECTION HS CERTIFICATE OF COMPLIANCE I, N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by HSB CI of Hartford, CI have inspected the repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the Section AI of the ASME Code and the Section XI of the ASME Code and the National Board Inspection Code "VR" and "RR" rules. By signing this certificate, neit	CERTIFICATE OF INSERVICE INSPECTION
work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.       Image:	Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN 30</u> 300 Band state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section
Date       130 00       Signed       Thomas Li Ling       Commissions       NB 400 - N I A       Court         CERTIFICATE OF COMPLIANCE       Image: Signed       CERTIFICATE OF COMPLIANCE       Image: Signed       Im	work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any
I,	Date 13908 Signed Thomas & Som Commissions NS 4550 - NIA Coure
Correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/10</u> National Board Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/10</u> Date	CERTIFICATE OF COMPLIANCE
National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       FENOC       Signed       Q.C.       10         piane d reput organization)       Signed       Q.C.       10         CERTIFICATE OF INSERVICE INSPECTION         1,       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been       completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the	correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of
Date       FENOC       Signed       Q.C.       Date         Image of regular organization       Image of regular organization       Signed       Q.C.       Image of regular organization       Image	National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
Image: displayed organization       Signed       (authorized inpresentable)         Image: displayed organization       (authorized inpresentable)       (authorized inpresentabl	National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
I, N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by         HSB CT of Hartford, CT have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the	
I, N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by         HSB CT of Hartford, CT have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the	
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the	
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the	Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by HSB CT of Hartford, CT have inspected the repair, modification or replacement described in this report on
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be	completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.	repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be
Date Signed Commissions	
(hispector) (National Board (ind endorebrients), and jurisdictions, and no.))	

FOF	RM NIS-2/NR-1/ <del>NVR-1</del> O' As Required	WNER'S REPO			PLACI	EMENTS	······································
Owner FirstEn	ergy Corp.		Date	January 28, 2008			
	Name		•				
_76 Sout	1 Main St., Akron, OH 4430	<u> </u>		Sheet 1 of 1		•	
Plant Davis-B	esse Nuclear Power Station		Unit	<u> </u>	#1	·	
<u>5501 N.</u>	SR. 2, Oak Harbor, OH 434	49	-	Order# 200237916 Repair Organizati	on P.O. Na. J	bh No., etc.	
	FirstEnergy Nuclear Opera		Туре	Code Stamp <u>NR</u>			
5501 1	N. SR. 2. Oak Harbor. OH 4	3449	A	uthorization No			
	Addresa .			Expiration Date07/	17/10		
Identification of Syste	ms Hanger CCA-20-2-H4,	DB-SNC42	9 (Subs	ys 064-02	1//10		 ,
(a) Applicable Cons	· · · · · · · · · · · · · · · · · · ·	1967 Edition			le Case l	No.	
	<u></u>	- '		•			
(b) Applicable Editio	n of Section XI Utilized for Repairs	of Replacements	19 <u>95</u> F	Edition _96 4	ddenda	Code Case No	)
(c) Design Respons	ibilities FirstEnergy Corp., Li	sega Inc		· · · · · · · · · · · · · · · · · · ·	·	<u> </u>	
	6. Identification of Comp	onents Repaired o	or Replaced a	nd Replacement Cor	nponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or. Replacement	ASME Code Stampe
nubber	Lisega Inc.	61200/18	N/A	DB-SNC429	Unk.	Replaced	No
nubber	Lisega Inc.	30700256/010	N/A	DB-SNC429	2006	Replacement	No ·
						<u>.</u>	<u> </u>
						·	
						<u> </u>	
		7. Descript	ion of Work	L			ـــــــــــــــــــــــــــــــــــــ
xisting Lisega snubb	er (serial # 61200/18) was repl	aced with a new l	ike for like re	placement snubber (	serial# 3	0700256/010).	
(a) cont. ANSI B31.	I & MSS-SP58	·				<u> </u>	
· · · · · · · ·	······································						<u> </u>
							31 . Au
				<del>`</del>			ാറം
Tests Conducted:	Hydrostatic No.	Pneumatic No	Nom	inal Operating Pressure		Other No	
Pressure Relief V	Pressure <u>N/A</u>	psi		Test Temperature	N/A	°F	
Servi			Si				
	ing Pressure <u>N/A</u>		. Bl	owdown (if applicable)	<u>N/A</u>		
Open		s Made Usino 🛛 🔊	√A				
	ressure and Blowdown Adjustment			(Test Med	lium)		
				(Test Med	ium)	- <u></u>	

FORM NIS-2/NR-1/NVR-1         Applicable Manufacturers Data Reports to be Attached         9. REMARKS         N/A         CERTIFICATE OF COMPLIANCE         I, Richard R. Cockrell, certify that the statements made in this report are correct and the repair, modification         replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         Code "NR" rules         National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	)n, o n
9. REMARKS N/A CERTIFICATE OF COMPLIANCE I, Richard R. Cockrell, certify that the statements made in this report are correct and the repair, modification replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules National Board Certificate of Authorization No. 20 to use the "NR" stamp expires	)n, o. n.
N/A         CERTIFICATE OF COMPLIANCE         I,	>n, o.
CERTIFICATE OF COMPLIANCE         I,	>n, o. n .
National Board Certificate of Authorization No       20	>n, o. n.
National Board Certificate of Authorization No       20	>n, o. n
National Board Certificate of Authorization No       20	on, o. n .
replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Date 01-28-08 FENOC Signed Conference Of	on, o n .
replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         Code "NR" rules         National Board Certificate of Authorization No       20 to use the "NR" stamp expires       07/17/10	n. n.
Date       O1-28-08       FENOC (nume of repair organization)       Signed       Contract of Contract       Q.C.         CERTIFICATE OF INSERVICE INSPECTION         I, Ihomas G. Laps         holding a valid commission issued by the National Board of Boiler and Pressure Vess	
(nume of repair organization)     (authorized representative)	
<u>ISB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>JAJ 28, 2008</u> and state that the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Sec (I of the ASME Code and the National Board Inspection Code "NR" rules	0
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concernin work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any ersonal injury, property damage or loss of any kind arising from of connected with this inspection. Date <u>128</u> 08 Signed Thread Signed Commissions <u>NB 9338 NI A</u>	ig thi y o <sup>DI</sup>
CERTIFICATE OF COMPLIANCE	
, N/A , certify that to the best of my knowledge and belief the statements made in this report correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	rt are   of
lational Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10	í
ational Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10	
hate FENOC Signed Q.C.	т
	•:
CERTIFICATE OF INSERVICE INSPECTION	ેશક
N/A holding a valid commission issued by the National Board of Boiler and Pressure Vess hypectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>ISB CI</u> of <u>Hartford, CT</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has b completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules	een
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning	a the
epair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall t able in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspec	be ction
epair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall b able in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspectored Date Signed Commissions	be ction

DB-0070-5 FOR	M NIS-2/NR-1/ <del>NVR-1-</del> OV				PLACI	EMENTS	
	As Required	by the Provisions	of the ASME	Code Section XI			
Owner <u>FirstEne</u>	rgy Corp.		Date	January 28, 2008			
76 South	Main St., Akron, OH 44308	3		Sheet 1 of 1			
Plant Davis-Be	sse Nuclear Power Station		Unit			·	
5501 N. S	SR. 2, Oak Harbor, OH 4344	49	-	Order# 200237917 Repair Organizat	ion P.O. No., Jo	95 No., etc.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
<u>5501 N</u>	SR. 2, Oak Harbor, OH 43	3449	A	uthorization No 20			<u> </u>
				Expiration Date _07,	/17/10		
Identification of Syster	ns Hanger CCA-20-1-H3,	DB-SNC42	.8 (Subs	ys 064-02)			
(a) Applicable Const	ruction CodeANSI B31.1	1967 Edition	Later	Addenda Coo	le Case N	чо То	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 95	Edition <u>96</u>	Addenda	Code Case No	• •
(c) Design Responsi	bilities FirstEnergy Corp., Li	sega Inc	<u> </u>	<u> </u>	·`.	<u>e e e e e e e e e e e e e e e e e e e </u>	
	6. Identification of Compo	onents Repaired	or Replaced a	and Replacement Cor	mponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
nubber	Lisega Inc.	61200/31	N/A	DB-SNC428	Unk.	Replaced	No
nubber	Lisega Inc.	30700256/080	N/A	DB-SNC428	2007	Replacement	No
			·			ł	· · ·
	<u> </u>	7. Descript	tion of Work	ـــــــــــــــــــــــــــــــــــــ	<u> </u>		I
xisting Lisega snubbe	r (serial # 61200/31) was repla			placement snubber (	serial#3	0700256/080).	9 9 1 10 1 1 1 20 1
.(a) cont. ANSI B31.1	& MSS-SP58	······································			······		
				,			<u></u>
			A	<del>_; '</del>			
							·
Tests Conducted:	Hydrostatic No Pressure N/A	Pneumatic No	Nom	tinal Operating Pressure		Other No	
		psi		Test Temperature <u>1</u>	<u>v</u> A	°F	•
Pressure Relief V			Si	izə N/A	•		-
Pressure Relief V Servic	• N/A						
Servic	e <u>N/A</u> ng Pressure <u>N/A</u>	······································	B	lowdown (if applicable)	N/A		
Servic Openi			B: N/A	lowdown (if applicable)		(	
Servic Openi Set Pr	ng Pressure <u>N/A</u>					······································	

					· · · · · · · · · · · · · · · · · · ·
	FORM	NIS-2/NR-1/N	VR-1		
	9. 1	REMARKS	······	Applicable Manufacturers Data Ri	eports to be Allached
N/A					
				· ·	
	CERTIFIC	CATE OF COMPL	IANCE	•	
, <u>Richard R. Cockrell</u> replacement of the items describe Code "NR" rules.	, certify that the stat ed above conforms to S	ements made in Section XI of the A	this report are co ASME Code and	prrect and the rep to the National B	air, modification, or oard Inspection
National Board Certificate of Auth	norization No. 20 to	o use the "NR" st	amp expires	07/17/10	<u> </u>
Date 01-28-08	FENOC	Signed	Juchand	R Cochuce	2Q.C
	(name of repair organization)		J (authorized rep	resentative)	
······································	CERTIFICATE	OF INSERVICE I	SPECTION		
I, <u>Ihomas G. Laps</u> Inspectors and certificate of comp <u>HSB CI</u> of <u>Hartford, CI</u> the best of my knowledge and be XI of the ASME Code and the Na	have inspected the wo	urisdiction of ork described in t ation or replacem	OHIO and this report on lent has been co	employed by	and state that to
By signing this certificate, neither work described in this report. Fur personal injury, property damage	rthermore, neither the u	indersigned nor r	ny employer sha	Il be liable in any	manner for any
J				spection Is <u>NB9330</u> (National Board ( And Juradictions	NTA CONEL NTA CONEL and endorsements), and no ))
· · · ·	igned Thomas &	(10) (Infractor)	Commissior		NTA CONEL
	igned Thomas & CERTIFIC , certify that to the b	CATE OF COMPLI est of my knowle e pressure relief	Commission	ns <u>NB9330</u> (National Board ( and juncoletions ne statements ma	NTA CONEL and endorsemental). and no ))
N/A N/A he ASME Code and to the Nation	igned Thomas La CERTIFIC , certify that to the b n, or replacement of the nal Board Inspection Co	CATE OF COMPLI est of my knowle e pressure relief	Commission	ns <u>NB9330</u> (National Board ( and juncoletions ne statements ma	NTACONEL and endorsemente). and no ))
N/A N/A orrect and the repair, modification he ASME Code and to the Nation National Board Certificate of Auth	igned Thomas La CERTIFIC , certify that to the b on, or replacement of the nal Board Inspection Co porization No. 316	CATE OF COMPL eest of my knowle pressure relief ode "VR" and "NF	Commission	https://www.angle.com/ (National Board ( And juricdictions and juricdictions the statements maged above conform	NIA CONEL and endonemental, and e in this report are as to Section XI of
N/A N/A correct and the repair, modification he ASME Code and to the Nation National Board Certificate of Auth National Board Certificate of Auth	igned Thomas La CERTIFIC , certify that to the b on, or replacement of the nal Board Inspection Co porization No. 316 porization No. 20	CATE OF COMPLI rest of my knowle e pressure relief ode "VR" and "NF to use the "VR" to use the "NR"	Commission	NB9330 (National Board ( and juricicians the statements ma ad above conform 12/13/10	NTACONEL and endonemental), adde in this report are to Section XI of i
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Date <u>12868</u> S N/A correct and the repair, modification he ASME Code and to the Nation National Board Certificate of Auth National Board Certificate of Auth Date <u></u> N/A nspectors and certificate of comp HSB CI of Hartford, CI and state the completed in accordance with Se By signing this certificate, neither epair, modification or replacement iable in any manner for any person	igned Thomas & CERTIFIC , certify that to the b on, or replacement of the hal Board Inspection Co torization No. 316 	CATE OF COMPLI rest of my knowle e pressure relief ode "VR" and "NF to use the "VR" to use the "NR" Signed OF INSERVICE IN mission issued by risdiction of air, modification owledge and bel ode and the Nati y employer make ort. Furthermore,	Commission	AB9330 (National Board ( and juricicians and productions (National Board ( and juricicians and above conform <u>12/13/10</u> <u>07/17/10</u> Applied of Boiler and employed by described in this r iodification or rep ection Code "VR" expressed or imp ersigned nor my er-	NTA COMEL and end of this report are as to Section XI of <u>Q.C.</u> Pressure Vessel eport on lacement has been and "NR" rules. blied, concerning the employer shall be
Date 12808 S N/A correct and the repair, modification he ASME Code and to the Nation National Board Certificate of Auth National Board Certificate of Auth Date State Certificate of Comp HSB CI of Hartford, CI and state the completed in accordance with Se By signing this certificate, neither repair, modification or replacement iable in any manner for any person	igned Thomas & CERTIFIC , certify that to the b on, or replacement of the hal Board Inspection Co torization No. 316 	CATE OF COMPLI rest of my knowle e pressure relief ode "VR" and "NF to use the "VR" to use the "NR" Signed OF INSERVICE IN mission issued by risdiction of air, modification owledge and bel ode and the Nati y employer make ort. Furthermore,	Commission	AND 9330 (National Board ( and juricicians And statements mailed above conform <u>12/13/10</u> 07/17/10 And of Boiler and employed by described in this r hodification or rep ection Code "VR" expressed or impersigned nor my er or or or connected as	NTA COMEL and enforcemental). and in this report are as to Section XI of 

# Page 135 of 238

# 15 RFO Inservice Inspection Summary

DB-0070-5							
FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV As Required I			REPAIRS OR RE Code Section XI	PLAC	EMENTS	······································
1 Owner FirstEner	rgy Corp.	<u></u>	Date	January 29, 2008			
76 South	Main St., Akron, OH 44308			Sheet 1 of 1			
	Address sse Nuclear Power Station		Unit		#1		
				Order# 200227018			- <b></b>
	R. 2, Oak Harbor, OH 4344		-	Order# 200237918 Repair Organizat	ian P.O. No., J	ob No., ela.	<u></u>
	FirstEnergy Nuclear Operat			Code Stamp <u>NR</u>		· · · · · · · · · · · · · · · · · · ·	<del>.</del>
<u>5501 N</u>	. SR. 2. Oak Harbor, OH 43	449	A	uthorization No. 20			
			-	Expiration Date _07/			÷
4 Identification of System	hs Hanger M1170/H4	DB-SN	<u>C493</u>	(Subsys 062-0	1)	· · · · · · · · · · · · · · · · · · ·	
5. (a) Applicable Constr	ruction Code ANSI B31.1	1967 Edition	Later	Addenda Coc	de Case I	чо	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> (	Edition <u>96</u>	Addenda	Code Case No	<b>)</b>
(c) Design Responsil	bilities First Energy Corp. Lis	sega Inc.		<u></u>			ta sa sa sa
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Snubber	Lisega Inc.	61195/111	N/A	DB-SNC493	Unk.	Replaced	No
Snubber	Lisega Inc.	30600271/088	N/A	DB-SNC493	2006	Replacement	No
						<u> </u>	· .
- <u>-</u>			·	<u> </u>		<u> </u>	
						† — —	[
		7. Descript	ion of Work				
	r (serial# 61195/111) was repl		like for like re	eplacement snubber (	(serial #	30600271/088)	
VT-3 Visual inspection 5. (a) Cont. ANSI B31.	was completed satisfactory.		· · · · · · · · · · · · · · · · · · ·	······································		<u></u>	
J. (2) CONT. ANSI D.J.	1 & 1455-51 55	<b></b>					
· · · · · · · · · · · · · · · · · · ·							
	·	•.					
		······································					<u></u>
					<u> </u>	·* ·* ·	÷ Xi
8 Tests Conducted:	Hydrostatic No Pressure <u>N/A</u>	Pneumatic No	Nom	inal Operating Pressure Test Temperature		Other No	- 144 - 
Pressure Relief V	alves:						
Servic	e <u>N/A</u>	·······	Si	ze <u>N/A</u>	<u>-</u> -		
Openi	ng Pressure <u>N/A</u>		BI	owdown (if applicable)	<u>N/A</u>		·
Set Pr	essure and Blowdown Adjustment	s Made Using _ ]	N/A	(Teal Med			
at _]	٩/A		(Location)				
NOTE: Supplemental si	neets in the form of lists, sketches,	or drawings may b	e used, provide	d (1) size is 8 ½ X 11 ir	1. (2) Info	mation in items 1 th	trough 6 or
this report is included on e	ach sheet, and (30 each sheet is n	umbered and the r	number of sheet	is is recorded at the top	of this fo	m	

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

DB-0070-5	·			
	FO	RM NIS-2/NR-1/ <del>NVR-1</del>	• 	
		9. REMARKS	Applicable Manufacturers (	Data Reports to be Allached
N/A		1.		<u> </u>
· · · · · ·				
		· · · · · · · · · · · · · · · · · · ·		
1	CER	TIFICATE OF COMPLIANCE		
I, Richard R. Cockrell replacement of the items Code "NR" rules.	, certify that the s described above conforms	statements made in this re to Section XI of the ASME		
National Board Certificat	te of Authorization No. 20	_ to use the "NR" stamp e	xpires 07/17/10	
Date 01-29-08	FENOC	Signed	charl R Cortre	<u>ee Q.C.</u>
	(name of repair organiz	(alion) 7	(authorized representative)	
·····	CERTIFIC	ATE OF INSERVICE INSPEC	CTION	
HSB CT of Hartfo the best of my knowledg	e of competency issued by the	e work described in this re dification or replacement h	O and employed by port on JAN 30, 2008	and state that to
work described in this re	e, neither the undersigned no port. Furthermore, neither the			
personal injury, property Date <u>13008</u>	damage or loss of any kind	arising from of connected	with this inspection	A State of the office
	damage or loss of any kind	arising from of connected	with this inspection	Dear (ind endementa)
Date 13008	damage or loss of any kind Signed Thomes CER	TIFICATE OF COMPLIANCE he best of my knowledge a of the pressure relief devic	with this inspection Commissions <u>NB433</u> (National E and justice and belief the statements es described above confi	MTA CHO MTA CHO signa and no )) made in this report are
Date 1/3008 I, N/A correct and the repair, m the ASME Code and to t National Board Certificat	damage or loss of any kind Signed <u>Theme</u> CER , certify that to the National Board Inspection e of Authorization No. <u>316</u>	TIFICATE OF COMPLIANCE the best of my knowledge a of the pressure relief devic n Code "VR" and "NR" rule to use the "VR" stamp	with this inspection Commissions <u>NB433</u> (National and June of and belief the statements es described above confess.	MIA CONST Index (ind endemethenia), Siena, and no.)) made in this report are
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Date 13008	damage or loss of any kind Signed	arising from of connected	with this inspection Commissions UB433 (National E and belief the statements es described above confi es. b expires 2/13/10 (puthoted representative) CTION National Board of Boiler i Oand employed by valacement described in th is repair, modification or	MIA CHION
Date 1/3008 I, N/A correct and the repair, m the ASME Code and to t National Board Certificat National Board Certificat Date I, N/A Inspectors and certificate HSB CI of Hartford ar completed in accordance By signing this certificate repair, modification or re	damage or loss of any kind Signed Thome CER , certify that to ti lodification, or replacement of the National Board Inspection the of Authorization No. 316 the of Authorization No. 316 the of Authorization No. 20 FENOC (Marked Reparts CERTIFIC holding a valid of the of competency issued by th d, CI have inspected the	arising from of connected TIFICATE OF COMPLIANCE the best of my knowledge a of the pressure relief devic in Code "VR" and "NR" rule to use the "VR" stamp to use the "NR" stamp Signed ATE OF INSERVICE INSPEC commission issued by the he jurisdiction of OHI repair, modification or rep y knowledge and belief, th E Code and the National B or my employer makes any report. Furthermore, neith	with this inspection Commissions <u>NB433</u> (National E and June of the statements es described above confises. Despires <u>12/13/10</u> (autodated representative) CTION National Board of Boiler ( O and employed by  Vacement described in the is repair, modification or Board Inspection Code "\ V warranty, expressed or iner the undersigned nor representation or the presentation or the presentation of the statement ( Code	MIA CONSTRUCTION Construction and no.) made in this report are forms to Section XI of <u>Q.C.</u> <u>Q.C.</u> <u>Ing</u> and Pressure Vessel is report on replacement has been /R" and "NR" rules. implied, concerning the ny employer shall be
Date       1/3008         I, N/A       correct and the repair, m         correct and the repair, m       the ASME Code and to t         National Board Certificat       National Board Certificat         National Board Certificat       Date         I, N/A       Inspectors and certificate         HSB CI of Hartford       of Hartford         completed in accordance       By signing this certificate         repair, modification or re       liable in any manner for the formation or re	damage or loss of any kind Signed	arising from of connected TIFICATE OF COMPLIANCE the best of my knowledge a of the pressure relief devic in Code "VR" and "NR" rule to use the "VR" stamp to use the "NR" stamp Signed ATE OF INSERVICE INSPEC commission issued by the he jurisdiction of OHI repair, modification or rep y knowledge and belief, th E Code and the National B or my employer makes any report. Furthermore, neith damage or loss of any kir	with this inspection Commissions <u>NB433</u> (National E and June of the statements es described above confises. Despires <u>12/13/10</u> (autodated representative) CTION National Board of Boiler i O and employed by Vacement described in the is repair, modification or Board Inspection Code "\ V warranty, expressed or ind arising from or connection or connecti	MIA Consection Ard of the consection made in this report are forms to Section XI of <u>Q.C.</u> <u>AR</u> and Pressure Vessel is report on replacement has been /R" and "NR" rules. implied, concerning the ny employer shall be
Date 1/3008	damage or loss of any kind SignedCER , certify that to the rodification, or replacement of the National Board Inspection the National Board Inspection the of Authorization No316 the of Authorization No316 CERTIFIC holding a valid of the of competency issued by the d, CIhave inspected the rod state that to the best of m the with Section XI of the ASM a, neither the undersigned no placement described in this	arising from of connected TIFICATE OF COMPLIANCE the best of my knowledge a of the pressure relief devic in Code "VR" and "NR" rule to use the "VR" stamp to use the "NR" stamp Signed ATE OF INSERVICE INSPEC commission issued by the he jurisdiction of OHI repair, modification or rep y knowledge and belief, th E Code and the National B or my employer makes any report. Furthermore, neith damage or loss of any kir	with this inspection Commissions <u>NB433</u> (National Electronic Elec	MIA Consection Ard of the consection made in this report are forms to Section XI of <u>Q.C.</u> <u>AR</u> and Pressure Vessel is report on replacement has been /R" and "NR" rules. implied, concerning the ny employer shall be

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DB-0070-5		<u>.</u>		· · · · · · · · · · · · · · · · · · ·				
	FOR	M NIS-2/NR-1/ <del>NVR-1</del> O As Required	WNER'S REPO			PLACE	EMENTS	
Owner F	irstEner	gy Corp.		Date	January 29, 2008	}		
_7(	6 South	Main St., Akron, OH 4430	8		Sheet 1 of 1		۰	
Piant D	avis-Be	sse Nuclear Power Station		Unit		<u>#1</u>		
	501 N. S	R. 2, Oak Harbor, OH 434	49	_	Order# 200237919			
		FirstEnergy Nuclear Opera		Туре	Repair Organiz	alion P.O. No., Jo	10 ND., 41C.	
·	5501 N	Name SR. 2. Oak Harbor, OH 4	3449	A	uthorization No. 20	)		
		AC(27953		· · ·	Expiration Date _07	/17/10		
Identification of	of System	Hanger M1345/H2	DB-SNC492		(Subsys 065-01)	<u> </u>		
(a) Applicab	le Constr	uction Code ANSI B31.1	1967 Edition	Later A	Addenda Co	de Case Ì	٩o	
(b) Applicab	le Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition <u>96</u>	Addenda	Code Case No	
(c) Design F	lesponsib	ilities First Energy Corp, L	isega Inc.		۰ ۱۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰	,	· · ·	<del>.</del> .
		6. Identification of Comp	onents Repaired o	or Replaced a	nd Replacement Co	mponent	5	· · · · ·
Name of Comp	onent	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
ubber		Lisega Inc.	61195/100	N/A	DB-SNC492	Unk.	Replaced	No
ubber		Lisega Inc.	30600271/052	Ń/A	DB-SNC492	2006	Replacement	No
					· · · · · ·	†		
·····								
visting Licega	crubba	r (serial # 61195/100) was rep	7. Descript		anlagement anythin	. (00-101 #	20600071/050	
		was completed satifactory.	haced with a new	inke for inke i	epiacement shubbe	(SCITAL #	500002711052).	
		1 & MSS-SP58						
	·	· · · · · · · · · · · · · · · · · · ·					·····	
<del></del>		······································	. h.				······································	
				~	······································			
								۽ نبر.
Tests Cond	ucted:	Hydrostatic No Pressure <u>N/A</u>	Pneumatic No	Nom	inal Operating Pressu Test Temperature		Other No	
. Pressure f	Relief Va				• •			
	Service	• <u>N/A</u>		SI	ze <u>N/A</u>			
	Openir	ng Pressure <u>N/A</u>		BI	owdown (if applicable	) N/A		-
	Set Pr	essure and Blowdown Adjustmen	its Made Using	N/A				
	001110							
	at N	-			(Test M	edium)		

FORM NIS-2/NB-1/ <del>NVR-1</del>	~
Applicatal	e Manufacturers Data Reports to be Atlached
9. REMARKS	·····
	·····
· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF COMPLIANCE	
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct replacement of the items described above conforms to Section XI of the ASME Code and to the Code "NR" rules	e National Board Inspection
	07/17/10
Date 01-29-08 FENOC Signed February (utilized representative	Aree Q.C.
	·
CERTIFICATE OF INSERVICE INSPECTION	
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and emp         HSB_CI       of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN</u> the best of my knowledge and belief, this repair, modification or replacement has been completed. XI of the ASME Code and the National Board Inspection Code "NR" rules.	loyed by
By signing this certificate, neither the undersigned nor my employer makes any warranty, expression work described in this report. Furthermore, neither the undersigned nor my employer shall be personal injury, property damage or loss of any kind arising from of connected with this inspect	liable in any manner for any """ tion.
Date 130/08 Signed Thomas & Ferral Commissions 1	NB9330 NIA (National Board (incl endorsements), and jurisdictions and no.))
CERTIFICATE OF COMPLIANCE	
I, <u>N/A</u> , certify that to the best of my knowledge and belief the sta correct and the repair, modification, or replacement of the pressure relief devices described ab- the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12	2/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07	7/17/10
Date FENOC Signed	<u>Q.Ċ.</u>
· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF INSERVICE INSPECTION	i) i) ii i
I, N/A holding a valid commission issued by the National Board of Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and empleted of <u>OHIO</u> and empleted the repair, modification or replacement description and state that to the best of my knowledge and belief, this repair, modific completed in accordance with Section XI of the ASME Code and the National Board Inspection By signing this certificate, neither the undersigned nor my employer makes any warranty, expression	loyed by ibed in this report on cation or replacement has been n Code "VR" and "NR" rules. essed or implied, concerning the
repair, modification or replacement described in this report. Furthermore, neither the undersign liable in any manner for any personal injury, property damage or loss of any kind arising from o	ned nor my employer shall be
Date Signed Commissions	· · · · · ·
(Inspector)	(National Board (incl endorsements), and jurisdictions and no.))
	· · · ·
	``

# Page 139 of 238

# 15 RFO Inservice Inspection Summary

		• • • • • • • • • • • • • • • • • • •		Code Section XI			
1 Owner FirstEne	rgy Corp. Name		Date	January 29, 2008		····	·
<u>76 South</u>	Main St., Akron, OH 4430	8		Sheet 1 of 1			
2. Plant Davis-Besse Nuclear Power Station		Unit		#1			
5501 N. S	SR. 2, Oak Harbor, OH 434	49		Order# 200237920 Repair Organizati			
		•	Туре	Code Stamp _NR_	ion P.O. Na., Jo	D NO., 810.	
3 Work Performed by <u>FirstEnergy Nuclear Operating Co.</u>		Authorization No. 20				, .	
	Address					· · · · · · · · · · · · · · · · · · ·	<del>.</del>
		•		Expiration Date _07/	/17/10		·
4 Identification of Syster	ns Hanger M1155/H3,	DB-SNC486	(Subsys 0	50-03)			
5 (a) Applicable Const	ruction Code <u>ANSI B31.1</u>	1967 Edition	Later	Addenda Coo	le Case N	ľo <sub>.</sub>	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	. <u>19 _95</u> t	Edition 96 A	ddenda	Code Case No	,
(c) Design Responsi	bilities FirstEnergy Corp., L	iceas Inc					
	<u></u>		<u> </u>				
	6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Cor	mponents	5	
Name of Component.	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASMI Code Stamp
Snubber	Lisega Inc.	61200/12	N/A	DB-SNC486	Unk.	Replaced	No
Snubber	Lisega Inc.	30700256/009	N/A	DB-SNC486	2007	Replacement	No "
	· · · · · · · · · · · · · · · · · · ·	+					
	<u> </u>		<u> </u>				
	· · · · · · · · · · · · · · · · · · ·	1					
· · · · · · · · · · · · · · · · · · ·		7. Descript	tion of Work			·	
Existing Lisega snubbe	er (serial # 61200/12) was repl	aced with a new l	ike for like re	placement snubber (	serial# 30	0700256/009).	. 1941
	on was completed satisfactory			<u> </u>	·		
5.(a) cont. ANSI B31.1	& MSS-SP58			······································			
<u> </u>	· · · · · · · · · · · · · · ·			······································			
		····.		· <u> </u>			
8. Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure	• No	Other No	÷
	, Pressure <u>N/A</u>	psi		Test Temperature	<u>\/A</u>	°F	
Pressure Relief V	alves:	•					-
Servio	e <u>N/A</u>		Si	ze <u>N/A</u>			
Openi	ing Pressure N/A		B	owdown (if applicable)	N/A		. 1
	ressure and Blowdown Adjustmer	ts Made Using	N/A				
Set P	lessure and blowdown Adjustmen	, and the second s					
Set Pr				(Test Mac	fium)		

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules
National Board Certificate of Authorization No 20 to use the "NR" stamp expires07/17/10
Date 01-29-08 FENOC Signed France (authorized representative) Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I. Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CI       have inspected the work described in this report on       JAN 31 2000
the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date 1/31/08 Signed Thomas & Brass Commissions NB 9330 NI A OHO
CERTIFICATE OF COMPLIANCE
I, N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed O.C.
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Inspector) (Inspector) (Inspector) (National Board (incl endowernens), end jurisdictional and no ()

DB-0070-5		······	·				
FO	RM NIS-2/NR-1/N <del>VR-1</del> OV As Required	WNER'S REPO			PLACI	EMENTS	
1 Owner FirstEr	nergy Corp. Name		Date	January 28, 2008			
<u>_76 Sout</u>	h Main St., Akron, OH 44308	8		Sheet 1 of 1		•	
2 Plant Davis-I	Resse Nuclear Power Station	· · · · · · · · · · · · · · · · · · ·	Unit	<u> </u>	_#1		
_5501 N	SR. 2, Oak Harbor, OH 434	19	•	Order# 200237921 Repair Organizati	ion P.C. No., Jr	io No., etc.	
3. Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
5501	N. SR. 2. Oak Harbor, OH 43	1449	Ą	uthorization No 20			<b>_</b> .
ſ			. •	Expiration Date _07/	/17/10		·
4. Identification of Syst	ems Hanger HCB-38-4-H4	DB-SNC481	(Subsy	rs 062-02)			
5 (a) Applicable Con	struction Code <u>ANSI B31.1</u>	1967 Edition	Later	Addenda Coo	te Case I	٩o	
(b) Applicable Edit	on of Section XI Utilized for Repairs	or Replacements	19 95	Edition <u>96</u>	Addenda	Code Case No	)
(c) Design Respon	sibilities <u>FirstEnergy Corp., Li</u>	sega Inc		<u> </u>	tin n	<u> </u>	t i sa c
<u></u>	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Co	mponent	s .	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Snubber	Lisega Inc.	61195/77	. N/A	DB-SNC481	Unk.	Replaced	No
Snubber	Lisega Inc.	30600271/091	N/A	DB-SNC481	2006	Replacement	No
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· · · · · · · · · · · · · · · · · · ·		{		·	·	·	<u> </u>
· · · · · · · · · · · · · · · · · · ·		7. Descript	ion of Work	I		·	<u></u>
Existing Lisega snub	per (serial # 61195/77) was repla			nlacement snubber (	serial# 3	0600271/091)	
	·····			r,			
5.(a) cont. ANSI B31	.1 & MSS-SP58						
				·			
·		· · · · · · · · · · · · · · · · · · ·			·······	·	
					···		
							<del>بالد</del> ا برنا
8 Tests Conducted:	Hydrostatic No Pressure <u>N/A</u>	Pneumatic No	Nom	inal Operating Pressure Test Temperature		Other No	
Pressure Relief		psi		rear rembarance 1		°F	
Ser	vice N/A		Si	ze N/A			12.000.0
·	ning Pressure N/A						
-	Pressure and Blowdown Adjustment	s Made Using	N/A	owdown (if applicable)			
		·		(Test Mer	tium)		·
			(Location)		· ·	······································	-
NOTE: Supplemental this report is included or	sheets in the form of lists, sketches, each sheet, and (30 each sheet is r	or drawings may b numbered and the r	e used, provide jumber of sheet	d (1) size is 8 ½ X 11 in ts is recorded at the top	n. (2) Info of this fo	rmation in items 1 th rm.	rough 6 on

DB-0070-5 FORM NIS-2/NR-1/NVR-1 9. REMARKS N/A CERTIFICATE OF COMPLIANCE , certify that the statements made in this report are correct and the repair, modification, or Richard R. Cockrell ١, replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. National Board Certificate of Authorization No. 20 to use the "NR" stan 07/17/10 pires FENOC Signed Date 01-28-08 CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boiler and Pressure Vessel Thomas G. Laps Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by of Hartford, CI have inspected the work described in this report on JAN. 31, 2008 and state that to HSB CI the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. OHO -COMU Signed Commissions 13/168 Date CERTIFICATE OF COMPLIANCE N/A , certify that to the best of my knowledge and belief the statements made in this report are ١. correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 3n-FENOC Signed Q.C. Date ibe CERTIFICATE OF INSERVICE INSPECTION N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel 1. ОНЮ Inspectors and certificate of competency issued by the jurisdiction of and employed by Hartford, CI have inspected the repair, modification or replacement described in this report on HSB CT of and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be lable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Signed Commissions Date anal Board (Incl endor and no.))

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FUR	M NIS-2/NR-1/ <del>NVR-1</del> OM As Required t	VNER'S REP( by the Provisions	-		PLACE	MENTS	
Owner FirstEne	rgy Corp.		Date	January 29, 2008	· · · · · ·		
_76 South	Main St., Akron, OH 44308			Sheet 1 of 1			
2. Plant Davis-Besse Nuclear Power Station		Unit		#1			
5501 N. SR. 2, Oak Harbor, OH 43449 Advises 3. Work Performed by <u>FirstEnergy Nuclear Operating Co.</u> Name 5501 N. SR. 2, Oak Harbor, OH 43449		Order# 200237922 Paper Openuzikon P.O. No., Vick Hen, Mr.					
		Туре	Code Stamp <u>NR</u>				
		Αι	uthorization No. 20				
				Expiration Date _07/	17/10		_
Identification of System	ns Hanger M1147/H9,	DB-SNC473	(Subsys 0	63-01			<u>.                                    </u>
	of Section XI Utilized for Repairs			Addenda Coo Edition <u>96</u> A			·a =
	pilities <u>FirstEnergy Corp., Lis</u>				<del></del>		
	6. Identification of Compo		or Replaced a	nd Replacement Cor	nponent	S .	
Name of Component	Name of Manufacturer	Manulacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Snubber	Lisega Inc.	61200/25	N/A	DB-SNC473	Unk.	Replaced	No
Snubber	Lisega Inc.	30700256/079	N/A	DB-SNC473	2007	Replacement	No
					·		
	· · · · · · · · · · · · · · · · · · ·						
	·····	. <u>.</u>			<u> </u>	<u> </u>	
·		7. Descript	ion of Work	L		l	
visting Lisega snubbe	r (serial # 61200/25) was repla			nlacement snubber (	cerial# 3	0700256/079)	~~~
Aisting Lisega andobe	(3011al # 01200/25) was topia			placement shubber (	SCITAT T	010023010193.	<u>.</u>
.(a) cont. ANSI B31.1	& MSS-SP58						
				·			
				······································			
							npGr
Tests Conducted:	Hydrostatic No Pressure <u>N/A</u>	Pneumatic No	Nom	inal Operating Pressure Test Temperature		Other No °F	
Pressure Relief V	alves:						
Servio	e <u>N/A</u>		Si	ze <u>N/A</u>			_
SBIVIC	ng Pressure N/A		· BI	owdown (if applicable)			-
	10/1						-
Openi	essure and Blowdown Adjustment	s Made Using <u>1</u>	N/A	(Test Mer	tium)		<u> </u>
Openi	essure and Blowdown Adjustment	s Made Using <u>1</u>	V/A	(Test Wes	dium)		_ ···

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
I, Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date 01-29-08 FENOC Signed Signed Cochrege Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CT       have inspected the work described in this report on       JAN. 22, 2008 and state that to         the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section       XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date 1/29/08 Signed Thomas Lagan Commissions NB 9338 NIA 604100 Const
CERTIFICATE OF COMPLIANCE
i, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
Uate COTHERTSCIPES

				Code Section XI			
Owner FirstEne	rgy Corp. Name		Date	January 28, 2008			
76 South	Main St., Akron, OH 44308	·		Sheet 1 of 1			
Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
5501 N. S	SR. 2, Oak Harbor, OH 4344	19		Order# 200237923 Repair Organiza		th No. etc.	
	FirstEnergy Nuclear Operat		Туре	Code Stamp <u>NR</u>		· · · · · · · · · · · · · · · · · · ·	
5501 N	. SR. 2, Oak Harbor, OH 43	449	A	uthorization No: 20	1		
	Address			Expiration Date _07	/17/10		<u></u>
	110-00 M1147/IIA	DD CNC470	(C 0)		11/10	· · · · · · · · · · · · · · · · · · ·	<del>.</del> ,-
Identification of Syster	ns Hanger M1147/H4	DB-SNC472	(Subsys 00	55-01)			
(a) Applicable Const	ruction Code ANSI B31.1	1967 Edition	Later	Addenda Co	de Case l	No	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition <u>96</u>	Addenda	Code Case No	)
(c) Design Responsi	bilities FirstEnergy Corp., Lis	sega Inc		<u></u> ,			
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Co	mponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
nubber	Lisega Inc.	61200/10	N/A	DB-SNC472	Unk.	Replaced	No
ubber	Lisega Inc.	30700256/078	N/A	DB-SNC472	2007	Replacement	No
					ļ	· · ·	- <u> </u>
			. <u> </u>			+	
	· · · · · · · · · · · · · · · · · · ·	<u> </u>			·	+	<del>:</del>
	<u> </u>	7. Descript	tion of Work	L	L	1	·
kisting Lisega snubbe	r (serial # 61200/10) was repla			placement snubber (	serial# 3	0700256/078).	
(a) cont. ANSI B31.1	& MSS-SP58						
			<u> </u>				
·							
							-
	· · · · · · · · · · · · · · · · · · ·						<u>ین ہے۔</u> ناب
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressur	e No	Other No	
	Pressure <u>N/A</u>	psi		Test Temperature	N/A	•F	····· <del>·</del>
Pressure Relief V	alves:						. <del>.</del> .
Servio	ов <u>N/A</u>		Şi	zə <u>N/A</u>			
	ing Pressure N/A		BI	owdown (if applicable)	N/A	· · ·	
Open						·····	
•	ressure and Blowdown Adjustment	s Made Using ן א	N/A				
	ressure and Blowdown Adjustment	s Made Using <u>1</u>	<u>N/A</u>	(Test Me	dium)	· · · · · · · · · · · ·	

#### Page 146 of 238

### 15 RFO Inservice Inspection Summary

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires07/17/10
Date 01-28-08 FENOC Signed Figure Q.C.
(name of repair organization) (authorized representative)
CERTIFICATE OF INSERVICE INSPECTION
I, <u>Ihomas G. Laps</u> Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>JAN</u> : 29 2008 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date
Date 12908 Signed Thermacy Store Commissions N54330 N 1 A (National Board (Incli endorsemental), and jurisdictions, and no ))
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
I, N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Inspector) (National Board (incl andonements), and juradictors and no.))

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

Owner FirstEne	rgy Corp.	· · · · · · · · · · · · · · · · · · ·	Date	Januai y 28, 2008			
76 South	Main St., Akron, OH 44308	3		Sheet 1 of 1			
	Address Address Sese Nuclear Power Station					-	124 124
<u> </u>	Nama	· ·	Unit	· · ·	#1	·	
<u>5501 N. S</u>	SR. 2, Oak Harbor, OH 4344 Address	49	-	Order # 200237924 Repair Organizat		b No., etc.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>		·	
<u>5501 N</u>	SR, 2, Oak Harbor, OH 43	3449	A	uthorization No. 20	•		
	Address			Expiration Date _07/	17/10	· ·	
Identification of Syster	ns Hanger EBB-5-19-H10	DB	-SNC471	(Subsys 06			
	ruction Code ANSI B31.1				le Case I	Jo	
	• <u>•••</u> ••••••••••••••••••••••••••••••••	-					-44
	n of Section XI Utilized for Repairs		19 95 1	Edition <u>96</u>	ddenda	Code Case No	<b>)</b>
"(c) Design Responsi	bilities First Energy Corp, Li	sega Inc.	<u> </u>		a	····	• ••
	6. Identification of Compo	onents Repaired	or Replaced a	and Replacement Con	mponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASM Code Stamp
ubber	Lisega Inc.	61195/96	N/A	DB-SNC471	Unk.	Replaced	No
ubber	Lisega Inc.	30600271/044	N/A	DB-SNC471	2006	Replacement	No
	<u>}</u>						<u>}</u>
·	· · · · · · · · · · · · · · · · · · ·	l					
1	······································	7. Descript				0.00071.0044	
cisting Lisega snubbe	er (serial # 61195/96) was repla	iced with a new l	ike for like re	placement snubber (	serial # .	30600271/044).	
(a) Cont. ANSI B31	.1 & MSS-SP58			· · · · · · · · · · · · · · · · · · ·			
			· · · · · · · · · · · · · · · · · · ·				ne P
N		Pneumatic No	Nom	inal Operating Pressure		Other No	_
i, Tests Conducted:	Hydrostatic No Pressure N/A	DSI		·		·	
	Pressure <u>N/A</u>	psi					
Tests Conducted:	Pressure <u>N/A</u> alves:	psi	S	ize <u>N/A</u>			
Tests Conducted: Pressure Relief V Servio	Pressure <u>N/A</u> alves:	psi	•	ize <u>N/A</u> lowdown (if applicable)	N/A		
Tests Conducted: Pressure Relief V Servic Open	Pressure <u>N/A</u> alves: ce <u>N/A</u>		•				 

:

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No 20 to use the "NR" stamp expires 07/17/10
Date <u>01-28-08</u> <u>FENOC</u> Signed <u>Jackard &amp; Consule</u> <u>Q.C.</u>
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CT of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN 31, 1008</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 13105 Signed Themes & Commissions MB9330 NIA (Mathematication and no.)
CERTIFICATE OF COMPLIANCE
I, N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed O.C.
(name of repair organization) (authorized representative)
N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the Jurisdiction ofOHIO and employed by         HSB CI of Hartford, CT have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Inspector) (National Board (ind endorsements), and jurisdictions and no .))

# Page 149 of 238

# 15 RFO Inservice Inspection Summary

	As Required	by the Provisions	of the ASME	Code Section XI		······································	
Owner FirstEne	rgy Corp	F	Date	January 28, 2008			1
76 South	Main St., Akron, OH 4430	8	· · ·	Sheet 1 of 1		· ·	- Linkster
i i	sse Nuclear Power Station		Unit		#1		
	Name		Gim				-
_5501 N.S	SR. 2, Oak Harbor, OH 434	49	-	Order# 200237925 Repair Organizati	on P.O. No., Jr	h No., elc.	- ]
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
<u>5501 N</u>	. SR. 2, Oak Harbor, OH 4	3449	Ai	uthorization No20			<b></b>
	• • • •		2 	Expiration Date07/	17/10		
Identification of Syster	ns Hanger EBB-5-19-H5,	DB-SNC47	0 (Subsy	/s 063-01)			_
(a) Applicable Const	ruction Code <u>ANSI B31.1</u>	1967 Edition	Later	Addenda Coo	le Case I	40	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition <u>96</u>	ddenda	Code Case No	) (1
(c) Design Responsi	bilities _FirstEnergy Corp., L	sega Inc			·	. <u></u>	in the second
	6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Coda Stamps
ubber	Lisega Inc.	61195/112	N/A	DB-SNC470	Únk.	Replaced	No
ubber	Lisega Inc.	30600271/081	N/A	DB-SNC470	2006	Replacement	No
······································						<u></u>	
		1					
	·				*		
		7. Descript	ion of Work				į
isting Lisega snubbe	t (serial # 61195/112) was rep	placed with a new	like for like r	eplacement snubber	(serial#	30600271/081).	
a) cont. ANSI B31.1	& MSS-SP58		·				3
		······		·			
Tests Conducted:	Hydrostatic No Pressure <u>N/A</u>	Pneumatic No		inal Operating Pressure Test Temperature		Other No	
Pressure Relief V		DSI		inariamhaiamia T	<u>v</u> A	°F	
			6	70 114			
Servic				zə <u>N/A</u>		·····	
·	ng Pressure <u>N/A</u>		. BI	owdown (if applicable)	<u>N/A</u>		<u> </u>
Set Pr	essure and Blowdown Adjustmen	ts Made Using	N/A	(Test Med	ium)		
							1
at 1	۱/A	•	(Location)			_	

B-0070-5	· · · · · · · · · · · · · · · · · · ·			
	F	ORM NIS-2/NR-1/ <del>N</del>	WR-1	
		9. REMARKS	Applicable Manufactur	era Data Reports to be Attached
V/A			· · · · · · · · · · · · · · · · · · ·	
<u></u>				
	· CE	RTIFICATE OF COMPL	LIANCE	5
Code "NR" rules	erns described above conform icate of Authorization No. 20	s to Section XI of the to use the "NR" s C Signed	tamp expires07/17/1	onal Board Inspection
	CERTIFI	CATE OF INSERVICE I	INSPECTION	
ISB CT of Ha	holding a valid cate of competency issued by	l commission issued b the jurisdiction of the work described in odification or replacen	by the National Board of Boile OHIO and employed to this report on <u>Jan 23, 30</u> nent has been completed in a	by and state that to
ork described in this	cate, neither the undersigned is s report. Furthermore, neither erty damage or loss of any kin Signed Thema	the undersigned nor d arising from of conn	my employer shall be liable in nected with this inspection	or implied, concerning th n any manner for any <u>SNLA</u> Cotto Madicines and recommental, indicines and recommental,
· .	CE	RTIFICATE OF COMPL	IANCE	
	, certify that to r, modification, or replacement to the National Board Inspecti	t of the pressure relief		
lational Board Certif	icate of Authorization No. 31	6 to use the "VR"	stamp expires 12/13/10	<u> </u>
ational Board Certif	icate of Authorization No. 20	) to use the "NR"	stamp expires07/17/10	·
	EDMO	<b>0</b>		0.0 <sup>80</sup>
ate	FENOC (name of repair orga		(authorized representative)	Q.C
				·
	CERTIFI	CATE OF INSERVICE I	INSPECTION	
ISB CT. of <u>Har</u> ompleted in accorda	cate of competency issued by ford, CI have inspected th	the jurisdiction of ne repair, modification my knowledge and be ME Code and the Nat nor my employer mak s report. Furthermore	es any warranty, expressed of a neither the undersigned no	by this report on or replacement has bee "VR" and "NR" rules or implied, concerning th r my employer shall be
able in any manner	Č:		A	
able in any manner	Signed	(Inspector)	Commissions	val Board (incl endorsements),
	Signed	(Inspécitor)	INstin	al Board (Inci andoisements), risdictions, and no ))

DB-0070-5							1. 1.
FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV As Required	VNER'S REP( by the Provisions			PLACE	EMENTS	- : ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
1 Owner FirstEner	gy Corp.		Date January 21, 2008				
76 South	Main St., Akron, OH 44308			Sheet 1 of 1	`		,
2 Plant Davis-Be	sse Nuclear Power Station		Unit	<u> </u>	#1		
<u>5501 N. S</u>	R. 2, Oak Harbor, OH 4344	19	-	Order# 200237926 Repair Organizati	on P.O. No. Jo	h No. etc	_
	FirstEnergy Nuclear Opera		Туре	Code Stamp <u>NR</u>		· · · · · · · · · · · · · · · · · · ·	
<u>5501 N</u>	. SR. 2. Oak Harbor, OH 43	449	A	uthorization No. 20			
				Expiration Date _07/	<u>'17/10</u>		- tit
Identification of System	ns Hanger M1113/H54, I	DB-SNC434	(Subsyst	064-02)		· ····	
5 (a) Applicable Consti	uction Code <u>ANSI B31.1</u>	1967 Edition	Later	Addende Coo	le Case N	J/A	inter de la companya br>Esta de la companya de
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> I	Edition <u>96</u>	Addenda	Code Case No	) (1) (1) (1)
(c) Design Responsil	cilities _FirstEnergy Corp.,Lis	ega Inc	······································	يو بالمراجع مراجع	<u></u>	<u> </u>	, ; ¥;
· · · · · · · · · · · · · · · · · · ·	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Col	nponent	s	<u></u>
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Snubber	Lisega Inc.	61195/25	N/A	DB-SNC434	Unk.	Replaced	No
nubber	Lisega Inc.	30600271/100	N/A	DB-SNC434	Uuk	Replacement	No
							ें हो
<u>``</u> `		7. Descript	ion of Work	l		<u> </u>	<u> </u>
Existing snubber (seria	1#61195/25) was replaced with			nt snubber (serial#30	600271/	(100)	
luring routine mainten	ance not due to a failure.				;		1217 1217 1217
i.a cont. ANSI B31.1 d	& MSS-SP58 1967 Edition or	Later				·	
· · · · · · · · · · · · · · · · · · ·							
		···					
				·			
B Tests Conducted:	Hydrostatic Yes Pressure <u>N/A</u> .	Pneumatic Yes	Nom	inal Operating Pressure Test Temperature		Other Yes	
Pressure Relief V		uşı		tost remperature 1	<u></u>	°F	
Servic	8 <u>N/A</u>		Si	ze <u>N/A</u>			<u>.</u>
	ng PressureN/A		BI	owdown (if applicable)	N/A		
Openi							
•	ressure and Blowdown Adjustment	is Made Using _]	N/A				
Set Pi	ressure and Blowdown Adjustmen N/A	IS Made Using	N/A	(Test Mod	lium)		1

DB-0070-5	· · · · · · · · · · · · · · · · · · · ·
FORM NIS-2/NR-1/ <del>NVR-1</del>	
9. REMARKS	Applicable Manufacturers Data Reports to be Attached
N/A	
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	۲. 
CERTIFICATE OF COMPLIANC	);E
I, <u>Richard R. Cockrell</u> , certify that the statements made in this replacement of the items described above conforms to Section XI of the ASMI Code "NR" rules.	report are correct and the repair, modification, E Code and to the National Board Inspection
National Board Certificate of Authorization No. 20 to use the "NR" stamp-	expires07/17/10
Date <u>01-21-08</u> <u>FENOC</u> Signed (	(authorized representative) Q.C.
CERTIFICATE OF INSERVICE INSPE	ECTION
holding a valid commission issued by the nspectors and certificate of competency issued by the jurisdiction of <u>OH</u> <u>HSB CT</u> of <u>Hattford, CI</u> have inspected the work described in this re- he best of my knowledge and belief, this repair, modification or replacement holds of the ASME Code and the National Board Inspection Code "NR" rules.	report on 1-22-08 and state that to
By signing this certificate, neither the undersigned nor my employer makes an work described in this report. Furthermore, neither the undersigned nor my er personal injury, property damage or loss of any kind arising from of connected Date <u>1-12-08</u> . Signed Rule of the second secon	mployer shall be liable in any manner for any
CERTIFICATE OF COMPLIANC	)E
, <u>N/A</u> , certify that to the best of my knowledge correct and the repair, modification, or replacement of the pressure relief devic he ASME Code and to the National Board Inspection Code "VR" and "NR" rul	ices described above conforms to Section XI of
National Board Certificate of Authorization No. <u>316</u> to use the "VR" stam	np expires <u>12/13/10</u>
lational Board Certificate of Authorization No. 20 to use the "NR" stam	np expires 07/17/10
Date FENOC Signed	O.C. <sup>of</sup>
(name of repair organization)	(suthorized representative)
N/A         holding a valid commission issued by the inspectors and certificate of competency issued by the jurisdiction of OH           ISB CI         of         Hartford, CT         have inspected the repair, modification or reand state that to the best of my knowledge and belief, to ompleted in accordance with Section XI of the ASME Code and the National By signing this certificate, neither the undersigned nor my employer makes an epair, modification or replacement described in this report. Furthermore, neit able in any manner for any personal injury, property damage or loss of any kinet.	eplacement described in this report on his repair, modification or replacement has bee Board Inspection Code "VR" and "NR" rules. hy warranty, expressed or implied, concerning t ther the undersigned nor my employer shall be
Date Signed	Commissions (National Board (nd enfortements), end briticitations, and re 1)
	(National Board (Incl endorsements),
	4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4
· · · · · · · · · · · · · · · · · · ·	

			and the second se		**************************************		sta j
1. Owner FirstEne	rgy Corp.		Date	January 28, 2008			
76 South	Main St., Akron, OH_44308	3		Sheet 1 of 1			
			·				
2 Plant Davis-Be	sse Nuclear Power Station		Unit		#1	· · ·	_
5501 N. S	R. 2, Oak Harbor, OH 4344	19	-	Order # 200237927 Repair Organized	ion P.O. No., Ji	ob No., etc.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
	. SR. 2. Oak Harbor, OH 43	•	A	uthorization No 20		• *	
	Address				• • • • • • • • • • • • • • • • • • •		:: :::
· .	•			Expiration Date	/17/10	<u> </u>	
Identification of System	ns Hnager EBB-5-19-H4,	DB-SNC	2469	(Subsys 063-01)	)		a.:-
(c) Design Responsit	6. Identification of Comp				<u> </u>	<u></u>	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASM Code Stamp
inubber	Lisega	61195/105	N/A	DB-SNC469	Unk.	Replaced	Nó
nubber	Lisega	30600271/049	N/A	DB-SNC469	2006	Replacement	No
				<u> </u>	<b></b>	·] 	
					· · · ·	·	
						· · ·	
victing I icorg spubbe	r (ceria) # 61195/105) was ren	i	tion of Work	anlacement anubler	(serie) #	30600271/049)	
ixisting Lisega snubbe	r (serial # 61195/105) was rep	i		eplacement snubber	(serial #	30600271/049)	
		i		eplacement snubber	(serial #	30600271/049)	
		i		eplacement snubber	(serial #	30600271/049)	1
		i		eplacement snubber	(serial #	30600271/049)	
	I & MSS-SP58	i		eplacement snubber	(serial #	30600271/049)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(a) Cont. ANSI B31.1	I & MSS-SP58	laced with a new	like for like r	3			112
(a) Cont. ANSI B31.1	I & MSS-SP58 Hydrostatic No	laced with a new	like for like r	3 Inal Operating Pressure	e No	Other No	
(a) Cont. ANSI B31.1	I & MSS-SP58 Hydrostatic No Pressure <u>N/A</u>	laced with a new	like for like r	: inal Operating Pressure			112
(a) Cont. ANSI B31.1	I & MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves:	laced with a new	like for like r	3 Inal Operating Pressure	e No	Other No	
(a) Cont. ANSI B31.1 Tests Conducted: Pressure Relief Vi Servic	I & MSS-SP58 Hydrostatic No Pressure	laced with a new	like for like r	inal Operating Pressure	e No	Other No	
(a) Cont. ANSI B31.1 Tests Conducted: Pressure Relief Va Servic Openi	I & MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves: e <u>N/A</u>	laced with a new	like for like r	inal Operating Pressur Test Temperature izeN/A	θ No N/A 	Other No	124

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

1

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
Applicable Manufacturem Data Reports to be Atlached
9. REMARKS N/A
CERTIFICATE OF COMPLIANCE
Richard R. Cockrell, , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No.     20     to use the "NR" stamp expires     07/17/10       Date     01-2.8-08     FENOC     Signed     Contract (authorization)
I, <u>Ihomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN 23, Lep8</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date 12908 Signed Thomas & Jan Commissions NB9330 NITA Course Course and Indiana Source (National Source and ro. 1)
CERTIFICATE OF COMPLIANCE
1, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I. N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules,
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Inspector) (National Board (inc) endorsements), end jurisdicijona, and no ))

# Page 155 of 238

### 15 RFO Inservice Inspection Summary

DB-0070-5 FO	RM NIS-2/NR-1/ <del>NVR-</del> 1 O As Required	WNER'S REP by the Provisions			PLAC	EMENTS	
1 Owner FirstEr	nergy Corp.		Date	January 28, 2008		· ·	
<u>76 Sou</u>	th Main St., Akron, OH 4430	8		Sheet 1 of 1			•
	Besse Nuclear Power Station		Unit		#1	·	
<u>5501 N</u>	. SR. 2, Oak Harbor, OH 434	49	-	Order# 200237928 Repeir Organizat	WERD No. 1		
3 Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>		·	
_5501	N. SR. 2, Oak Harbor, OH 4	3449	A	uthorization No 20		·····	
· ·		·		Expiration Date _07/	/17/10		
4 Identification of Syst	erns Hanger EBB-5-19-H1	DB-SNC468	3 (Subsy	s 063-01)			
(a) Applicable Con	struction Code ANSI B31.1	1967 Edition	Later	Addenda Coo	de Case I	No	
· ·	ion of Section XI Utilized for Repairs sibilities <u>FirstEnergy Corp., L</u>						<b>)</b>
······	6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Con	mponent	S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
Snubber	Lisega Inc.	61195/98	N/A	DB-SNC468	Unk.	Replaced	No
nubber	Lisega Inc.	30600271/096	N/A	DB-SNC468	2006	Replacement	No
			ļ				
		1	<u> </u>			1	<u>├</u> ───
			tion of Work				
xisting Lisega snub	ber (serial # 61195/98) was repl	aced with a new l	like for like re	placement snubber (	serial# 3	0600271/096).	
.(a) cont. ANSI B31	1 & MSS SP58						
.(a) com. A1151 651	.1 6 103-31 38	······································	· · ·				
							s
							10
Tests Conducted:			···				7426. 
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure		Other No	÷
Pressure Relief	Pressure <u>N/A</u> Valves:	DSi		Test Temperature	N/A	°F	
Sen			Qi	ze N/A		1	
	ning Pressure <u>N/A</u> Pressure and Blowdown Adjustmen	ts Made Using	ы <u>N/A '</u>	owdown (if applicable)			
Set				(Test Mer	sturn)		
. at	N/A	·	(Location)				:

DB-0070-5		· · · · · · · · · · · · · · · · · · ·				
	F	ORM NIS-2/NR-1/	<del>IVR-1</del>	•		
		9. REMARKS		Applicable Manufacturers Data Reports to	ba Attached	······
N/A	<u></u>			· · · · · · · · · · · · · · · · · · ·		
·	· · · · · · · · · · · · · · · · · · ·					
· · · · · · · · · · · · · · · · · · ·	CEI					
I. Richard R. Cockrell	certify that the	e statements made i	n this report are c	orrect and the repair,	modificatio	on or
	ns described above conforms					
National Board Certifica	ate of Authorization No. 20	to use the "NR"	stamp expires	07/17/10		
Date <u>DI-18-08</u>	FENOC (name of repair orga		t Jechard (authorized rep	K Cobrele	Q.C.	
, ·	CERTIFIC	CATE OF INSERVICE	INSPECTION			
HSB CI of Hartf the best of my knowled	te of competency issued by	the jurisdiction of he work described in odification or replace	OHIO and this report on ment has been co	oard of Boiler and Pre l employed by <u>JAH.31, 2608</u> and a mpleted in accordance	state that t	: o
work described in this r	te, neither the undersigned r eport. Furthermore, neither y damage or loss of any kind	the undersigned not	my employer sha	II be liable in any mar	, concernir Iner for an	ng the y
	Signed Thomas	- Li Luge	Commission	NB9336 N (National Bhard (incl endo and jurisdictions, and no)		OHID
	CEF	RTIFICATE OF COMP	LIANCE			
	, certify that to nodification, or replacement the National Board Inspection	of the pressure relie	f devices describe	he statements made i ed above conforms to	n this repo Section X	rt are I of
	ate of Authorization No31			12/13/10	•	ì
	ate of Authorization No. 20		" stamp expires	07/17/10		
Date	FENOC (name of repair organ		authonzed rep	resentative)	Q.C.	्री•
	CERTIEN			·		-disc
					. •	
HSB CI of Hartfo completed in accordance By signing this certifica repair, modification or r	te of competency issued by:	the jurisdiction of _ e repair, modification ny knowledge and b ME Code and the Na nor my employer main report. Furthermor	<u>OHIO</u> and nor replacement of elief, this repair, m tional Board Inspe- kes any warranty, e, neither the und	described in this report nodification or replace ection Code "VR" and expressed or implied, ersigned nor my empl	t on ment has t "NR" rules concernir over shall	oeen 3 1g the be
action ar any manner for		, -unago or 1033 Or	any kina anomy n		r uns mispe	ouon.
Date	Signed	(inspector)	Commission	(National Board (incl ando	Gemenia).	
		· · ·		and jurisdictions, and no.)	)	
	<u> </u>				· · · · · · · · · · · · · · · · · · ·	

### Page 157 of 238

	/						
Owner FirstEne	ergy Corp. Name		Date	January 28, 2008	<u></u>	·····	_
76 South	Main St., Akron, OH 4430	8		Sheet 1 of 1			
Plant Davis-B	esse Nuclear Power Station		Unit	<del></del>	#1		
5501 N.	SR. 2, Oak Harbor, OH 434	49	-	Order# 200237929 Bepak Organizat	lan P.O. No. Jo	b No. etc.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp			
	N. SR. 2. Oak Harbor, OH 4		A	uthorization No. 20			_
			1	Expiration Date _07	/17/10		_
Identification of Syste	ms Hanger EBB-5-9-H1,	DB-SNC451	(Subsy	s 063-01)		·····	
(a) Applicable Cons	truction Code ANSI B31.1	1967 Edition	Later	Addenda Coo	de Case Ì	ło -	
(b) Applicable Editio	n of Section XI Utilized for Repairs	or Replacements	19 95	Edition <u>96</u>	Addenda	Code Case No	
(c) Design Respons	ibilities FirstEnergy Corp., L	isega Inc		<u> </u>			ا و او
				· · · · ·			
	6. Identification of Comp	onents Repaired	or Replaced a	and Replacement Co	mponent	s ·	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
nubber	Lisega Inc.	61200/24	N/A	DB-SNC451	Unk.	Replaced	No
nubber	Lisega Inc.	30700004/009	N/A	DB-SNC451	2007	Replacement	No
	<u> </u>		·			<u> </u>	
	<u> </u>	1.				<u> </u>	
		7. Descript	tion of Work				
xisting Lisega snubb	er (serial # 61200/24) was repi	aced with a new I	ike for like re	placement snubber (	serial# 3	0700004/009.	
	1 0 1 00 0050			<u>````````````````````````````````</u>			
.(a) cont. ANSI B31.	1 & MSS-SP38	<u> </u>			<u>,                                    </u>	······	
	<u> </u>						
							-
						· · · · · ·	wit: 
							);); 
Tests Conducted:	Hydrostatic No Pressure <u>N/A</u>	Pneumatic No	Norr	ninal Operating Pressure Test Temperature		Other No ⁰F	<u>`-</u>
						·	
Pressure Relief			s	ize N/A			
	ice N/A						
Pressure Relief \ Servi							
Pressure Relief \ Serv Oper	ning Pressure <u>N/A</u>		, В	lowdown (ił applicable)			
Pressure Relief \ Serv Oper					<u>N/A</u>		

CERTIFICATE OF COMPLIANCE         Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or epiacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         Date       O1-28-08       FENOC       Signed       07/17/10         Date       O1-28-08       FENOC       Signed       00/00         Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         Tist or Hattord, CT       have inspected the work described in fils report on       JAL #2 202B       and state that to he best of my knowledge and belief, this report and state that to rule completed in this report. Furthermore, neither the undersigned nor my employer shall be liable in any maner for any metric vertice date.         by signing this certificate, nather the undersigned nor my employer shall be liable in any maner for any metric date.       NI A *100 <sup>10</sup> correct and the repair, modification, or replacement of the pressure Vertificate above conforms to Section XI of the ASME Code and to the National Board Inspection Code *NR* and *NR* rules.	DB-0070-5
CERTIFICATE OF COMPLIANCE      Certificate of Authorization No. 20 to use the "NR" stamp expires	FORM NIS-2/NR-1/ <del>NVR-1</del>
UA       CERTIFICATE OF COMPLIANCE         Richard R, Cockrell       , certify that the statements made in this report are correct and the repair, modification, or eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection 2004 "NR" rules.         Value       01-13-08       07/17/10         Date       01-23-08       0.2.         Interview       Signed       07/17/10         Date       01-23-08       0.2.         Interview       Signed       0.2.         Date       01-2.5.08       0.2.         Signed       There inservice i	
CERTIFICATE OF COMPLIANCE         Richard R. Cockroll       , certify that the statements made in this report are correct and the repair, modification, or eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         Date       OI-28-08       EENOC       Signed       07/17/10         Date       OI-28-08       EENOC       Signed       0.000       0.000         CERTIFICATE OF INSERVICE INSPECTION       CERTIFICATE OF INSERVICE INSPECTION       CERTIFICATE OF INSERVICE INSPECTION         Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel       and employed by         ISB CI       of Hartford, CI       have inspectore de twe work described in this report on JAL 21 200B       and state that to he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section () of wide described in this report, environming the work described in this report, environmenting the work described in this report, environment of any indecement described with this inspection.         Sy signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "WR" rules.         Nota       _certify that to the best of my knowledge and belief the statements made in this report are orrect and the repair, modification, no. 20       to use the "NR" stamp expires       0/17/10	N/A
Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         Code "NR" rules.       01-28-08       FENOC       07/17/10         Date       01-28-08       FENOC       Signed       07/17/10         CERTIFICATE OF INSERVICE INSPECTION       CERTIFICATE OF INSERVICE INSPECTION       Q.C.         Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         nspectors and certificate of competency issued by the jurisdiction of OHIO and employed by       and state that to he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section         (1 of the ASME Code and the National Board inspection Code "NR" rules.       Signing this certificate, neither the undersigned nor my employer shall be liable in any manner for any more repair, modificate on or my employer shall be liable in any manner for any ensore shall be liable in any manner for any         Nota ( dotting a valid comment of the repair, modificate of completence to the best of my knowledge and belief, this report and were statements       NIA A (CR)         Nota ( dotting a valid comment on the repair, modification or replacement of the pressure reliable in any manner for any       NIA (CR)         Nota ( dotting a valid comment on the repair, modification or replacement of the pressure reliable divices described above conforms to Section XI of the ASME Code and to the Nation	
Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         Code "NR" rules.       01-28-08       FENOC       Signed       07/17/10         Date       O1-28-08       FENOC       Signed       07/17/10       OCC.         National Board Certificate of Authorization No. 20       to use the "NR" stamp expires       07/17/10       OCC.         National Board Certificate of competency issued by the suitacide of one pelacement and employed by       CERTIFICATE OF INSERVICE INSPECTION       OCC.         Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel       and employed by         ISB CT       of       Hartford, CT       have inspected the work described in this report on       JAL 20CE       and state that to he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section         (1 of the ASME Code and the National Board Inspection Code "NR" rules.       Signing this certificate, neither the undersigned nor my employer shalls be liable in any manner for any more repair, modificate, neither the undersigned nor my semployer shall be liable in any manner for any more repair modificate, neither the undersigned nor my knowledge and belief the statements made in this report are associated above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. <td></td>	
Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         Code "NR" rules.	
epileocement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection         code "NR" rules.         valional Board Certificate of Authorization No.       20	CERTIFICATE OF COMPLIANCE
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Pate 01-23-08 FENOC Signed Q.C. CERTIFICATE OF INSERVICE INSPECTION CERTIFICATE OF INSERVICE INSPECTION Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel nepbectors and certificate of competency issued by the jurisdiction of OHIO and employed by ISB CT of Hartford, CT have inspected the work described in this report on IAN.21,202B and state that to he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section (I of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the vork described in this report. Furthermore, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the vork described in this report. Furthermore, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the vork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any enseronal injury, property damage or loss of any kind arising from of connected with this inspection. Date 1/21/02, Signed Themes VIP and "NR" rules. NA , certify that to the best of my knowledge and belief the statements made in this report are orrect and the repair, modification No. 116 to use the "NR" stamp expires 12/13/10 Autional Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Date FENOC Signed Themes Signed Certificate of Rothorization No. 20 to use the "NR" stamp expires 07/17/10 NA holding a valid commission issued by the National Board of Boiler and Pressure Vessel and state that to the best of my knowledge and belief, this repart on different on and state that to the best of my knowledge and belief, this repart on Colification or replacement described in t	replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection
CERTIFICATE OF INSERVICE INSPECTION     CERTIFICATE OF INSERVICE INSPECTION     Thomas G. Laps     holding a valid commission issued by the National Board of Boiler and Pressure Vessel     napectors and certificate of competency issued by the jurisdiction of OHIO and employed by     ISB CT of Hartford, CT have inspected the work described in this report on JAAL 21, 200B, and state that to     he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section     (1 of the ASME Code and the National Board Inspection Code "NR" rules.     Sy signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the     work described in this report. Furthermore, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the     work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any     personal injury, property damage or loss of any kind arising from of connected with this inspection.     Signed There I are the undersigned nor my employer makes any warranty, expressed or implied, concerning the     work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any     personal injury, property damage or loss of any kind arising from of connected with this inspection.     Use I and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of     ne ASME Code and the National Board Inspection Code "VR" and "NR" rules.     Iational Board Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>12/13/10</u> idational Board Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/10</u> idational Board Of Boiler and Pressure Vessel     repectors and certificate of competency issued by the jurisdiction or replacement described in this report on	
Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         hspectors and certificate of competency issued by the jurisdiction of	
Inspectors and certificate of competency issued by the jurisdiction of	
work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any meaner fore fore fore fore fore fore fore fo	Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by
Date       ND       ND       ND       ND       Commissions       ND       ND       Comul.         CERTIFICATE OF COMPLIANCE         N/A       , certify that to the best of my knowledge and belief the statements made in this report are not replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         National Board Certificate of competency issued by the junisdiction of <a href="mailto:expected">OPHIO</a> and employed by         N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         nspectors and certificate of competency issued by the junisdiction or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Boar	By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
N/A       , certify that to the best of my knowledge and belief the statements made in this report are norrect and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         Jational Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         Jational Board Certificate of Authorization No.       316       to use the "VR" stamp expires       07/17/10         Date	Date 12910B Signed Tierray Clocky Commissions ND TOD N L A COMU.
Asymptotic and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.      Jational Board Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/10</u> Jational Board Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/10</u> Date	CERTIFICATE OF COMPLIANCE
Jational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       FENOC (reme of reparagingation)       Signed       Q.C.       Q.C.         CERTIFICATE OF INSERVICE INSPECTION       ibre         N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel nspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         ISB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been isompleted in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the epair, modification or replacement described in this report	1, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
Date       FENOC       Signed       Q.C.         (withoused representative)       Q.C.       If the control of the	National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
CERTIFICATE OF INSERVICE INSPECTION     CERTIFICATE OF INSERVICE INSPECTION     CERTIFICATE OF INSERVICE INSPECTION     CERTIFICATE OF INSERVICE INSPECTION     N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel     haspectors and certificate of competency issued by the jurisdiction of OHIO and employed by     ISB CI of Hartford, CI have inspected the repair, modification or replacement described in this report on     and state that to the best of my knowledge and belief, this repair, modification or replacement has been     completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the     epair, modification or replacement described in this report.	National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel hospectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>ABECI</u> of <u>Hartford</u> , <u>CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the epair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be	
Aspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by ISB CI of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the epair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be	
able in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.	N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been       completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report.
Date Commissions (National Board (inclanatorements),	
(Vet and interventional) and jurisdictions, and no.))	and jurisdictions, and no.))

# Page 159 of 238

#### 15 RFO Inservice Inspection Summary

To South Main SL. Akron. OH 44308         Sheet 1 of 1         Plant       Davis-Besse Nuclear Power Station         Unit       #1       1 2 3 7         S501 N. SR. 2, Oak Harbor, OH 43449       Order# 200237930         New Yorkear Operating Co.       Type Code Stamp NR         S501 N. SR. 2, Oak Harbor, OH 43449       Type Code Stamp NR         S501 N. SR. 2, Oak Harbor, OH 43449       Autorization No. 20         Expiration Date 07/17/10         Identification of Systems       Hanger EBB-5-8-H11       DB-SNC449       (Subsys 063-01)         (b) Applicable Edition of Systems       Hanger EBB-5-8-H11       DB-SNC449       (Subsys 063-01)         (a) Applicable Edition of Systems       Hanger EBB-5-8-H11       DB-SNC449       (Subsys 063-01)         (b) Applicable Edition of Systems       Hanger EBB-5-8-H11       DB-SNC449       Code Case No         (c) Design Responsibilities       FirstEnergy Corp., Lisega Inc.         National Montacturer       Manufacturer's Substation No <td colspan<="" th=""><th></th><th>M NIS-2/NR-1/NVR-1 O As Required</th><th>WNER'S REP( by the Provisions</th><th></th><th></th><th>PLACE</th><th>EMENTS</th><th><u>r.</u></th></td>	<th></th> <th>M NIS-2/NR-1/NVR-1 O As Required</th> <th>WNER'S REP( by the Provisions</th> <th></th> <th></th> <th>PLACE</th> <th>EMENTS</th> <th><u>r.</u></th>		M NIS-2/NR-1/NVR-1 O As Required	WNER'S REP( by the Provisions			PLACE	EMENTS	<u>r.</u>
Plant       Davis-Besse Nuclear Power Station       Unit       #1       1237         S501 N. SR. 2, Oak Harbor, OH 43449       Order# 20237930         Work Parformed by       FirstBeargy Nuclear Operating Co.       Type Code Stamp       Nr         S501 N. SR. 2, Oak Harbor, OH 43449       Autiorization No. 20       Explanation Date       07/17/10         Identification of Systems       Hanger EBB-5-8-H11       DB-SNC449       (Subsys 063-01)	. Owner FirstEner	rgy Corp.		Date	January 31, 2008				
S501 N. SR. 2, Oak Harbor, OH 4349       Order# 200237930         Work Parlomed by       FirstEnergy Nuclear Operating Co.       Type Code Stamp	76 South	Main St., Akron, OH 4430	3		Sheet 1 of 1			<b>*</b> *	
Work Performed by         FirstEnergy Nuclear Operating Co.         Type Code Stamp         NR           Stol N. SR. 2. Oak Harbor. OH 43442         Authorization No. 20	Piant Davis-Be	sse Nuclear Power Station		Unit	, <u></u>	#1	1	237	
	<u>5501 N. S</u>	R. 2, Oak Harbor, OH 434	49		Order# 200237930	unt P.O. No., Jo	ib No., sec.		
Expiration Date       07/12/10	Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>				
	<u>_5501 N</u>	SR. 2. Oak Harbor, OH 4:	3449	A	uthorization No. 20				
5. (a) Applicable Construction Code       ANSI B31.1       1967 Edition       Later Addenda       Code Case No			DB SNC440	, (Subar	·		a mar	·····	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements       19       95       Edition       96       Addanda Code Case       No         (c) Design Responsibilities       FirstEnergy Corp., Lisega Inc	•							<u> </u>	
Name of Component       Name of Manufacturer       Serial No.       Board No.       Jurisdictional No.       Built       Replaced or Replacement       Code Stamped         Snubber       Lisega Inc.       61 195/68       N/A       DB-SNC449       Uak.       Replaced       No         Snubber       Lisega Inc.       30700001/065       N/A       DB-SNC449       2006       Replaced       No         Snubber       Lisega Inc.       30700001/065       N/A       DB-SNC449       2006       Replaced       No         Snubber       Lisega Inc.       30700001/065       N/A       DB-SNC449       2006       Replacement       No         Snubber       Lisega Inc.       30700001/065       N/A       DB-SNC449       2006       Replacement       No         Starting Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).       Starting Lisega snubber (serial# 30700001/065).       Starting Lisega Snubber (serial# 30700001/065).         Start and Blank Series         Start Pressure and Blank Series       Start Series       Start Series       N/A       Start Series       Start Series         Start Pressure and Blank Series       <		bilities <u>FirstEnergy Corp., Li</u>	sega Inc	· · · ·			· · · · · · · · · · · · · · · · · · ·	• • • • • • •	
Snubber       Lisega Inc.       30700001/065       N/A       DB-SNC449       2006       Replacement       No         No       N/A       DB-SNC449       2006       Replacement       No         No       No       No       No       No       No         Statisting Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).       No       No         Statisting Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).       No       Statistic No       No         Statistic Conducted:       Hydrostatic No       Pneumatic No       Nominal Operating Pressure No       Other No         Pressure Refiel Valves:       Statistic No       Pneumatic No       No       No       No         Set Pressure and Blowdown Adjustments Made Using       N/A       N/A       No       No	Name of Component	Name of Manufacturer					Replaced or	Code	
7. Description of Work         Existing Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).         5.(a) cont. ANSI B31.1 & MSS-SP58         5.(a) cont. ANSI B31.1 & MSS-SP58         6. Tests Conducted:         Hydrostatic No         Pressure N/A         psi         Test Temperature         N/A         Service         N/A         Set Pressure and Blowdown Adjustments Made Using         N/A	Snubber	Lisega Inc.	61 195/68	N/A	DB-SNC449	Unk.	Replaced	No	
Existing Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).  5.(a) cont. ANSI B31.1 & MSS-SP58  5.(b) cont. ANSI B31.1 & MSS-	Snubber	Lisega Inc.	30700001/065	N/A	DB-SNC449	2006	Replacement	No	
Existing Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).  5.(a) cont. ANSI B31.1 & MSS-SP58  5.(a) cont. ANSI B31.1 & MSS-SP58  8. Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure No Other No Pressure N/A psi Test Temperature N/A •F Pressure Relief Valves: Service N/A Size N/A Blowdown (if applicable) N/A Blowdown (if applicable) N/A Tart Medum)	· · · · · · · · · · · · · · · · · · ·	==	+						
Existing Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).         5.(a) cont. ANSI B31.1 & MSS-SP58         5.(a) cont. ANSI B31.1 & MSS-SP58         8. Tests Conducted:       Hydrostatic No         Pressure       N/A         Pressure Refief Valves:       Service         Service       N/A         Service       N/A         Blowdown (if applicable)       N/A         Set Pressure and Blowdown Adjustments Made Using       N/A									
Existing Lisega snubber (serial # 61195/68) was replaced with a new like for like replacement snubber (serial# 30700001/065).  5.(a) cont. ANSI B31.1 & MSS-SP58  5.(a) cont. ANSI B31.1 & MSS-SP58  8. Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure No Other No Pressure N/A psi Test Temperature N/A *F Pressure Refief Valves: Service N/A Size N/A Blowdown (it applicable) N/A N/A Set Pressure and Blowdown Adjustments Made Using N/A (rectimeded)			<u> </u>	<u> </u>	<u>L.</u>	L	<u> </u>	L	
5. (a) cont. ANSI B31.1 & MSS-SP58  5. (a) cont. ANSI B31.1 & MSS-SP58  5. Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure No Other No Pressure N/A psi Test Temperature N/A •F Pressure Relief Valves: Service N/A Size N/A Opening Pressure N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A (fait Medum) 12			7 Deerint	Lion of Work			0200001/065)		
5. Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure No Other No Pressure N/A psi Test Temperature N/A •F Pressure Relief Valves: Service N/A Size N/A Opening Pressure N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A		- (aprial # 61105/68) was read			-legement crubber (	corial# 3			
	Existing Lisega snubbe	r (serial # 61195/68) was repl			placement snubber (	serial# 3	07000017005).		
8. Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure No Other No Pressure N/A psi Test Temperature N/A °F Pressure Relief Valves: Service N/A Size N/A Size N/A Blowdown (if applicable) N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A (fait Medum) 72		······································			placement snubber (	serial# 3			
B. Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure No Other No Pressure N/A psi Test Temperature N/A •F Pressure Relief Valves: Service N/A Size N/A Opening Pressure N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A		······································			placement snubber (	serial# 3			
Pressure     N/A     psi     Test Temperature     N/A     *F       Pressure Refief Valves:     Service     N/A     Size     N/A     *F       Opening Pressure     N/A     Blowdown (if applicable)     N/A       Set Pressure and Blowdown Adjustments Made Using     N/A     **		······································			placement snubber (	serial# 3			
Pressure     N/A     psi     Test Temperature     N/A     •F       Pressure Relief Valves:     Service     N/A     Size     N/A     •F       Opening Pressure     N/A     Blowdown (if applicable)     N/A     N/A       Set Pressure and Blowdown Adjustments Made Using     N/A     (feet Medum)     17		······································			placement snubber (	serial# 3			
Service     N/A     Size     N/A       Opening Pressure     N/A     Blowdown (if applicable)     N/A       Set Pressure and Blowdown Adjustments Made Using     N/A     (feet Medum)     17		······································			placement snubber (	serial# 3			
Opening Pressure     N/A     Blowdown (if applicable)     N/A       Set Pressure and Blowdown Adjustments Made Using     N/A     (feet Mearri)	5.(a) cont. ANSI B31.1 5. Tests Conducted:	& MSS-SP58 Hydrostatic No Pressure <u>N/A</u>	aced with a new I	ike for like re		e No	Other No		
Set Pressure and Blowdown Adjustments Made Using <u>N/A</u> (Test Medam)	5.(a) cont. ANSI B31.1 5. Tests Conducted: Pressure Relief V	& MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves:	Pneumatic No	ike for like re	hina) Operating Pressur Test Temperature	e No	Other No		
	5.(a) cont. ANSI B31.1 5. Tests Conducted: Pressure Relief V Servic	& MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves: 29 <u>N/A</u>	Pneumatic No	ike for like re	lina) Operating Pressur Test Temperature	₽ No N/A	Other No		
	5. (a) cont. ANSI B31.1 5. Tests Conducted: Pressure Refief V Servic Open	& MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves: P <u>N/A</u> Ing Pressure <u>N/A</u>	Pneumatic No	ike for like re	lina) Operating Pressur Test Temperature izeN/A lowdown (if applicable)	₽ No N/A N/A	Other No		
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	FORM NIS-2/NR-1/ <del>NVR-1</del>	acturers Data Reports to be Attached
	9. REMARKS	
N/A		
I, <u>Richard R. Co</u> replacement of the Code "NR" rules.	he items described above conforms to Section XI of the ASME Code and to the Na	
	Certificate of Authorization No. 20 to use the "NR" stamp expires _07/1	7/10
Date 01-3	11-08 FENOC Signed Turnend RC	- Juse 0: 0.C.
,	(submark of repets organization)	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF INSERVICE INSPECTION	
I, Thomas G. La	aps holding a valid commission issued by the National Board of Bu entificate of competency issued by the jurisdiction of OHIO and employe	
	<u>Hartford, CT</u> have inspected the work described in this report on <u>IAU-31</u> .	100% and state that to
	nowledge and belief, this repair, modification or replacement has been completed	in accordance with Sectio
XI of the ASME (	Code and the National Board Inspection Code "NR" rules.	
Rusianing this a	ertificate, neither the undersigned nor my employer makes any warranty, expresse	d or implied popoorning
	in this report. Furthermore, neither the undersigned nor my employer shall be liabl	
personal injury, p	property damage or loss of any kind arising from of connected with this inspection.	
		and the first state
Date 131	08 Signed Signed Commissions NB	1330 NIA COL
Date 131	(Impactor)	1330 NIA BHIO Network (rect endorsements), red puried ectors and no ))
Date 131	(Impactor)	
	CERTIFICATE OF COMPLIANCE	nd jurindizions, and no ))
I, N/A correct and the ru	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above	ne letter (cons, and no.)
I, N/A correct and the ru	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem	ne letter (cons, and no.)
I, <u>N/A</u> correct and the re the ASME Code	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above	ne predenov, and re )
I, N/A correct and the re the ASME Code National Board C	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules.	nents made in this report a conforms to Section XI of
I, <u>N/A</u> correct and the rr the ASME Code National Board C National Board C	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/ Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/	ne predenose and re )) nents made in this report a conforms to Section XI of (10
I, N/A correct and the re the ASME Code National Board C	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/	ne paidcon, and re )) nents made in this report a conforms to Section XI of 10
I, <u>N/A</u> correct and the rr the ASME Code National Board C National Board C	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/ Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/ FENOC Signed	ne junctions, and re ))  Pents made in this report a conforms to Section XI of 10 Q.C. 3
I, <u>N/A</u> correct and the rr the ASME Code National Board C National Board C	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/ Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/ FENOC Signed	ne junctions, and re ))  Pents made in this report a conforms to Section XI of 10 Q.C. 3
I, <u>N/A</u> correct and the rr the ASME Code National Board C National Board C	CERTIFICATE OF COMPLIANCE  , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/</u> Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/</u> FENOC Signed	ne preteres and re )) nents made in this report a conforms to Section XI of 10
I, <u>N/A</u> correct and the re the ASME Code National Board C National Board C Date	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/</u> Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/</u> <u>FENOC</u> Signed	pents made in this report a conforms to Section XI of 20 210 Q.C3 biler and Pressure Vessel
I, <u>N/A</u> correct and the re the ASME Code National Board C National Board C Date	CERTIFICATE OF COMPLIANCE	ne present and a new market in this report a conforms to Section XI of 210
I, N/A correct and the ri the ASME Code National Board C National Board C Date I, N/A Inspectors and co HSB CT of	CERTIFICATE OF COMPLIANCE, certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/ Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/	pents made in this report a conforms to Section XI of <u>10</u> <u>Q.C.</u> biler and Pressure Vessel d by lin this report on no replacement has bee
I, N/A correct and the ri the ASME Code National Board C National Board C Date I, N/A Inspectors and co HSB CT of	CERTIFICATE OF COMPLIANCE	pents made in this report a conforms to Section XI of <u>10</u> <u>Q.C.</u> biler and Pressure Vessel d by lin this report on no replacement has bee
I, N/A correct and the re the ASME Code National Board C National Board C Date I, N/A Inspectors and ce HSB CT of completed in acc By signing this ce	CERTIFICATE OF COMPLIANCE  , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/ Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/ FENOC Signed  CERTIFICATE OF INSERVICE INSPECTION  holding a valid commission issued by the National Board of Bi retrificate of competency issued by the jurisdiction of OHIO and employe Hartford, CT have inspected the repair, modification or replacement described and state that to the best of my knowledge and belief, this repair, modificatio cordance with Section Xt of the ASME Code and the National Board Inspection Co ertificate, neither the undersigned nor my employer makes any warranty, expresse	pents made in this report a conforms to Section XI of 20 210 Q.C biler and Pressure Vessel d by in this report on or replacement has bee de "VR" and "NR" rules. d or implied, concerning t
I, N/A correct and the ri the ASME Code National Board C National Board C Date I, N/A Inspectors and ci HSB CT of completed in acc By signing this ce repair, modification	CERTIFICATE OF COMPLIANCE  , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules.  Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/ Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/  FENOC Signed  CERTIFICATE OF INSERVICE INSPECTION  holding a valid commission issued by the National Board of Bit ertificate of competency issued by the jurisdiction of OHIO and employe Hartford, CT have inspected the repair, modification or replacement described and state that to the best of my knowledge and belief, this repair, modificatio cordance with Section XI of the ASME Code and the National Board Inspection Co ertificate, neither the undersigned nor my employer makes any warranty, expressed ion or replacement described in this report. Furthermore, neither the undersigned	pents made in this report a conforms to Section XI of 20
I, N/A correct and the ri the ASME Code National Board C National Board C Date I, N/A Inspectors and ci HSB CT of completed in acc By signing this ce repair, modification	CERTIFICATE OF COMPLIANCE  , certify that to the best of my knowledge and belief the statem repair, modification, or replacement of the pressure relief devices described above and to the National Board Inspection Code "VR" and "NR" rules. Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/ Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/ FENOC Signed  CERTIFICATE OF INSERVICE INSPECTION  holding a valid commission issued by the National Board of Bi retrificate of competency issued by the jurisdiction of OHIO and employe Hartford, CT have inspected the repair, modification or replacement described and state that to the best of my knowledge and belief, this repair, modificatio cordance with Section Xt of the ASME Code and the National Board Inspection Co ertificate, neither the undersigned nor my employer makes any warranty, expresse	pents made in this report a conforms to Section XI of 20
I, N/A correct and the re the ASME Code National Board C National Board C Date I, N/A Inspectors and ce HSB CT of completed in acc By signing this ce repair, modificatil liable in any man	CERTIFICATE OF COMPLIANCE	pents made in this report a conforms to Section XI of 20
I, N/A correct and the ri the ASME Code National Board C National Board C Date I, N/A Inspectors and ci HSB CT of completed in acc By signing this ce repair, modification	CERTIFICATE OF COMPLIANCE	pents made in this report a conforms to Section XI of 20

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# 15 RFO Inservice Inspection Summary

DB-0070-5		· · · · · · · · · · · · · · · · · · ·		·				
	FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV As Required I			Code Section XI	PLACE	EMENTS	
1 Owner _]	FirstEner	rgy Corp.		Date	January 28, 2008		-	
·	76 South	Main St., Akron, OH 44308	l		Sheet 1 of 1			
Plant	Davis-Be	sse Nuclear Power Station		Unit		#1		
ب	5501 N. S	R. 2, Oak Harbor, OH 4344	19	· -	Order # 200237931 Repair Organizati	nn P.O. No., Jo	b Na., etc.	<u> </u>
Work Perfor	med by _	FirstEnergy Nuclear Operat	ting Co.	Туре	Code Stamp <u>NR</u>	. ·		·
•	<u>5501 N</u>	SR. 2. Oak Harbor, OH 43	449	. Au	uthorization No 20	· · · ·		
	· ·		· · · · · ·	• '	Expiration Date _07/			
dentification	n of System	ns Hanger EBB-5-8-H12	DB-SI	<u>VC450</u>	(Subsys 06	3-01)		
(a) Applica	able Constr	uction Code ANSI B31.1	1967 Edition	Later A	Addenda Coc	ie Case N	lo	
(b) Applica	able Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> e	Edition <u>96</u>	ddenda	Code Case No	1
(c) Design	Responsit	ollities First Energy Corp. Lis	sega Inc.				<u></u>	
		6. Identification of Compo	onents Repaired of	or Replaced a	nd Replacement Cor	nponent	3	,
Name of Corr	nponent	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
nubber		Lísega Inc.	61195/63	N/A	DB-SNC450	Unk.	Replaced	No
nubber		Lisega Inc.	30700001/064	N/A	DB-SNC450	2007	Replacement	No
		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
			7. Descript	ion of Work	· · ·		•	
xisting Lises	ga snubbe	r (serial # 61195/63) was repla	ced with a new li	ike for like re-	placement snubber (	serial # 2	0700001/064).	
(a) Cont. A	NOT DOL	1 & MSS-SP58						
(a) Cont. A	<u>INSE B</u> 51.	1 & M35-51 58						
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·						<del></del>		ي. <u></u>
			•	·····	· · · · · · · · · · · · · · · · · · ·	<u> </u>		. ,tin
Tests Cor		Hydrostatic No Pressure <u>N/A</u>	Pneumatic No		inal Operating Pressure Test Temperature <u>1</u>		Other No °F	
Pressure	e Relief Va	alves:						
	Servic	e <u>N/A</u>		Si	29 <u>N/A</u>			
	Openi	ng Pressure <u>N/A</u>	·	8)	owdown (if applicable)	N/A		
	Set Pr	essure and Blowdown Adjustment	s Made Using <u>1</u>	<u>N/A</u>	(Test Med	ium)		_
:	at _1	¶⁄A		(Location)				<del>-</del>

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	FORM NIS-2/NR-1	I/ <del>NVR-1</del>	
1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 - 1927 -	9. REMARKS	Applicable Manufacturers Data Reports to	be Altached
N/A			
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	CERTIFICATE OF CON		
I, <u>Richard R. Cocksell</u> replacement of the items descril Code "NR" rules		e in this report are correct and the repair, I he ASME Code and to the National Board	
National Board Certificate of Aut	thorization No. <u>20</u> to use the "NR	" stappe xpires07/17/10	
Date <u>01-28-08</u>	FENOC Sign	Hed find Range	Q.C
	CERTIFICATE OF INSERVIC		
HSB CT of Hartford, CT he best of my knowledge and b	petency issued by the jurisdiction of have inspected the work described	cement has been completed in accordance	state that to
vork described in this report. Fu	r the undersigned nor my employer m urthermore, neither the undersigned n e or loss of any kind arising from of co	akes any warranty, expressed or implied, or my employer shall be liable in any man onnected with this inspection.	concerning th ner for any
Date 13108	Signed Thomas & Post	Commissions NB 9330 N (National Board (Incl ender and juntedictions, and re.))	TA Offid
	Signed Thomas & Bogs	(National Beerd (inci endor and jurisdictions, and ro.))	<u>IA</u> Offid semanis).
N/A N/A orrect and the repair, modificati	CERTIFICATE OF CON	Putronal Bourd (rec and and juntedictors, and rec) IPLIANCE powledge and belief the statements made in lief devices described above conforms to	TA Offic terrants). Offic terrants).
N/A prrect and the repair, modificati te ASME Code and to the Natio	CERTIFICATE OF COM , certify that to the best of my kno on, or replacement of the pressure re onal Board Inspection Code "VR" and	Putronal Bourd (rec and and juntedictors, and rec) IPLIANCE powledge and belief the statements made in lief devices described above conforms to	TA Offic Section XI of
N/A orrect and the repair, modificati he ASME Code and to the National Board Certificate of Aut	CERTIFICATE OF COM , certify that to the best of my kno on, or replacement of the pressure re onal Board Inspection Code "VR" and horization No. <u>316</u> to use the "V	Puttonal Barry Processor and juncticions. and no.)) IPLIANCE powledge and belief the statements made in lief devices described above conforms to "NR" rules.	TA Offic vernments).
N/A orrect and the repair, modificati he ASME Code and to the National Board Certificate of Aut lational Board Certificate of Aut	CERTIFICATE OF COM , certify that to the best of my kno on, or replacement of the pressure re onal Board Inspection Code "VR" and horization No. <u>316</u> to use the "V horization No. <u>20</u> to use the "N	Puttonal Barry Proceeds and Juriciciona. and really IPLIANCE powledge and belief the statements made in lief devices described above conforms to "NR" rules. [R" stamp expires <u>12/13/10</u> [R" stamp expires <u>07/17/10</u>	Section XI of
N/A Dirrect and the repair, modificati the ASME Code and to the National ational Board Certificate of Autor ational Board Certificate of Autor	CERTIFICATE OF COM , certify that to the best of my kno on, or replacement of the pressure re onal Board Inspection Code "VR" and horization No. <u>316</u> to use the "V	Puttonal Barry Proceeds and Juriciciona. and really IPLIANCE powledge and belief the statements made in lief devices described above conforms to "NR" rules. [R" stamp expires <u>12/13/10</u> [R" stamp expires <u>07/17/10</u>	Section XI of
N/A orrect and the repair, modificati ne ASME Code and to the Natio lational Board Certificate of Aut	CERTIFICATE OF COM , certify that to the best of my kno on, or replacement of the pressure re onal Board Inspection Code "VR" and horization No. <u>316</u> to use the "V horization No. <u>20</u> to use the "N <u>FENOC</u> Sign	Puttomal Bourg (per ender and juntoricions. and no.))  IPLIANCE  powledge and belief the statements made in lief devices described above conforms to "NR" rules. /R" stamp expires <u>12/13/10</u> IR" stamp expires <u>07/17/10</u> ed	Q.C.
N/A orrect and the repair, modificati ne ASME Code and to the National Board Certificate of Aut lational Board Certificate of Aut lational Board Certificate of Aut oate N/A N/A nspectors and certificate of common ISB CI of Hartford, CI and state ompleted in accordance with Se y signing this certificate, neither	CERTIFICATE OF COM Constraints CERTIFICATE OF COM Constraints Constraints Constraints Constraints Constraints Constraints CERTIFICATE OF INSERVIC That to the best of my knowledge and ection XI of the ASME Code and the N or the undersigned nor my employer m	Puttienal Board of Boiler and Press     OHIO and employed by     and puttient described above conforms to     "NR" rules.     (R" stamp expires 12/13/10     (R" stamp expires 07/17/10     ed     (Authors of representative)  E INSPECTION d by the National Board of Boiler and Press OHIO and employed by ion or replacement described in this report belief, this repair, modification or replacer National Board Inspection Code "VR" and akes any warranty, expressed or implied,	Q.C. 20 Q.C. 20 transformed and the second transformed and the second and the
N/A sorrect and the repair, modificati he ASME Code and to the National Board Certificate of Aut National Board Certificate of Aut Date N/A nspectors and certificate of com ISB CI of Hartford, CI and state ompleted in accordance with Se Sy signing this certificate, neither apair, modification or replacement	CERTIFICATE OF COM Constraints of the pressure re onal Board Inspection Code "VR" and horization No. <u>316</u> to use the "V horization No. <u>20</u> to use the "N <u>FENOC</u> Sign CERTIFICATE OF INSERVIC holding a valid commission issue petency issued by the jurisdiction of have inspected the repair, modificati that to the best of my knowledge and bection XI of the ASME Code and the N or the undersigned nor my employer m ont described in this report. Furthermore	Puttiminal Bourd of Boiler and Press  Part Internet described above conforms to  PAR" rules.  Part and expires 12/13/10  Part and expires 07/17/10  Part and representative)  Part INSPECTION  Part And Complete Above conforms to  Part and employed by  Part and employed by  Part and Board of Boiler and Press  Part Above Abov	Q.C. 20- the ssure Vessel t on nent has been "NR" rules. concerning the over shall be
N/A orrect and the repair, modificati ne ASME Code and to the National Board Certificate of Aut lational Board Certificate of Aut lational Board Certificate of Aut lational Board Certificate of Aut Date N/A nspectors and certificate of com ISB CI of Hartford, CI and state ompleted in accordance with Se y signing this certificate, neither epair, modification or replacement able in any manner for any pers	CERTIFICATE OF COM Constraints of the pressure re onal Board Inspection Code "VR" and horization No. <u>316</u> to use the "V horization No. <u>20</u> to use the "N <u>FENOC</u> Sign CERTIFICATE OF INSERVIC holding a valid commission issue petency issued by the jurisdiction of have inspected the repair, modificati that to the best of my knowledge and bection XI of the ASME Code and the N or the undersigned nor my employer m ont described in this report. Furthermore		Q.C. 20- the ssure Vessel t on nent has been "NR" rules. concerning the byer shall be this inspection

 	THE TOTAL	······································	······	Code Section XI January 28, 2008			· · · · · · · · · · · · · · · · · · ·
I. Owner <u>F</u>	rstEnergy Corp. Name	•	_ Date	January 28, 2008			
_7	South Main St., Akron, OF	<u>I 44308</u>	<u> </u>	Sheet 1 of 1			
Piant <u>D</u>	avis-Besse Nuclear Power Si	ation	. Unit		#1	• 	
_5	01 N. SR. 2, Oak Harbor, C	H 43449		Order# 200238292 Repair Organizat			: 
	ed by <u>FirstEnergy Nuclear</u>		Туре	Code Stamp <u>NR</u>	ion P.U. No., Ja	20 NO., etc.	
	5501 N SR 2 Oak Harbor	OH 43449	٨	uthorization No 20			
	5501 N. SR. 2. Oak Harbor,	011 40442				·····	
				Expiration Date07	/17/10		·
Identification	f Systems Hanger EBB-5-	1-H1, DB-SNC437	(Subsy	s 063-01)			
(a) Applicat	e Construction CodeANSI B	31.1 1967 Edition	Later	Addenda Cod	le Case N	Ňо	
(b) Applicat	e Edition of Section XI Utilized for	Repairs or Replacements	19 95	Edition <u>96</u>	Adonda	Code Case No	5
					Houenda		
(c) Design I	esponsibilities FirstEnergy C	orp., Lisega Inc			<u></u>		• · · · · · ·
	6. Identification o	f Components Repaired	or Replaced a	and Replacement Co	mponent	s	:
Name of Comp	nent Name of Manufact	Irer Manufacturer's Sérial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
nubber 🧹	Lisega Inc.	61200/15	N/A	DB-SNC437	Unk.	Replaced	No jet
nubber	Lisega Inc.	30700003/115	N/A	DB-SNC437	2007	Replacement	No
							<u> </u>
		·					
		7: Descrip	tion of Work		<u> </u>	1	1,
xisting Lisega	snubber (serial # 61200/15) v	as replaced with a new	like for like re	eplacement snubber (	serial# 3	0700003/115).	·
				·			
(a) cont. ANS	B31.1 & MSS-SP58						
		<u></u>		······································	·····		
				••••••			-56
	· · · · · · · · · · · · · · · · · · ·			<u> </u>	<u> </u>		
Tests Cond	ucted: Hydrostatic Ne	Pneumatic No	Nor		- No	Other No.	
Tests Cond	Pressure <u>N</u>		NOIT	ninal Operating Pressure Test Temperature		Other No °F	~~~
Pressure	telief Valves:	po,		<u></u>	<u>1142</u>	'	
	Service N/A		s	ize N/A			
			•		AT/ 4		
	Opening Pressure <u>N/A</u>		. B	lowdown (if applicable)	N/A		
	Cat Dranaura and Dlaudau Ad	Suntananta Made Hates	N 7 1 4				
	Set Pressure and Blowdown Ad	justments Made Using	<u>N/A</u>	(Tost Ma	dium)		_

CERTIFICATE OF COMPLIANCE         Richard R. Cockrell		······································					
CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      Certificate of Authorization No 20 to use the "NR" stamproprises 07/17/10      CERTIFICATE OF INSERVICE INSPECTION      Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      CERTIFICATE OF INSERVICE INSPECTION      Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      CERTIFICATE OF INSERVICE INSPECTION      Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      CERTIFICATE OF INSERVICE INSPECTION      Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      CERTIFICATE OF INSERVICE INSPECTION      Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      Toomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      Toomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      Toomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel      Toomas G. Laps holding a valid commission issued by the National Board inspection Code VIR" rules.      Signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning th     rescal injury, property damage or icss of any knowledge and belief the statements made in this report.      CERTIFICATE OF COMPLIANCE     NA , certify that to the best of my knowledge and belief the statements made in this report and the ASME Code and the National Board Inspection Code "VR" and "NR" rules.     Iational Board Certificate of Authorization No. 316 to use the "NR" stamp expires		· · · · ·	FOR	M NIS-2/NR-1 <del>/N</del>	<b>VR-1</b>	· · · · · · · · · · · · · · · · · · ·	,
CERTIFICATE OF COMPLIANCE           Richard R. Cockrell			9	. REMARKS		Applicable Manufacturers Data Rep	orts to be Attached ,
Richard R. Cockrell	J/A						
Richard R. Cockrell	<u> </u>		······································		······		
Richard R. Cockrell	· · · · · · · · · · · · · · · · · · ·						
Richard R. Cockrell							
Richard R. Cockrell							
parament of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. Date 01-28-08 FENOC Signed Criticate of Authorization No 20 to use the "NR" stamp Expires 07/17/10 CERTIFICATE OF INSERVICE INSPECTION CERTIFICATE OF INSERVICE INSPECTION Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel Signed Criticate of competency issued by the jurisdiction of 0110 and employed by ISB CI of Hatford, CT have inspected the repairs from of connected with this inspection.  At the statements and the repair, modification or replacement has been completed in accordance with Section Cit of the ASME Code and the National Board Inspection Code "NR" rules.  At the statements and the inspection Furthermore, neither the undersigned on rule way arranty, expressed or implied, concerning the rore of a statements made in this report are or any enclosed with this inspection.  N/A certificate of competency issued by the jurisdiction of connected with this inspection.  N/A certificate of Authorization No. 316 to use the "NR" stamp expires 12/13/10 is and employed by the arrive are any mathematic devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.  N/A certificate of Authorization No. 316 to use the "VR" stamp expires 07/17/10  N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel  N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel  N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel  N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel  N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel  N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel  N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel  N/A			CERTI	FICATE OF COMPL	LANCE		
Date		and the second sec					
CERTIFICATE OF INSERVICE INSPECTION  Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel representation  Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel representation  Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel representation  Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel representation  Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel representation  Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel  Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel  A SME Code and the National Board Inspection Code "NR" rules.  Note  CERTIFICATE OF COMPLIANCE NIA , certify that to the best of my knowledge and belief the statements made in this report ar  represent of Inspection No. 316 to use the "VR" stamp expires 12/13/10 interved impresented  NIA  Ferrorect and Certificate of Authorization No. 316 to use the "NR" stamp expires 12/13/10 interved NIA  NIA  Ferrorect and certificate of Authorization No. 316 to use the "NR" stamp expires 12/13/10 interved NIA  CERTIFICATE OF INSERVICE INSERCTION NIA  NIA  CERTIFICATE OF INSERVICE INSERCTION NIA  NIA  CERTIFICATE OF INSERVICE INSERCTION NIA  CERTIFICATE OF INSERVICE INSERCTION NIA  Second and the National Board Inspection Code "VR" and "NR" rules.  Interved NIA  CERTIFICATE OF INSERVICE INSERCTION NIA  Second and the National Board Inspection Code "VR" and "NR" rules.  Interved  CERTIFICATE OF INSERVICE INSERCTION NIA  Second Certificate of Authorization No. 316 to use the "NR" stamp expires 07/17/10  NIA  CERTIFICATE OF INSERVICE INSERCTION NIA  Second Certificate of Competency issued by the National Board of Boiler and Pressure Vessel Second and the National Board of Goiler and Pressure Vessel Second and the Nat	lational Board Ce	ertificate of Authori	zation No. 20	to use the "NR" st	tamp expires	07/17/10	
Thomas G. Laps       holding a valid commission issued by the National Board of Bolier and Pressure Vessel         respectors and certificate of competency issued by the jurisdiction of	Date <u>01-28</u>	-08		Signed	Juna (authorized rep	Corrule	Q.C.
Thomas G. Laps       holding a valid commission issued by the National Board of Bolier and Pressure Vessel         respectors and certificate of competency issued by the jurisdiction of							
Image: Signed Thermal Signed The Jurisdiction of CHIO and employed by the lurisdiction of replacement has been completed in accordance with Section 21 of the ASME Code and the National Board Inspection Code "NR" rules.       Image: Code and the National Board Inspection Code "NR" rules.         It of the ASME Code and the National Board Inspection Code "NR" rules.       Image: Code and the National Board Inspection Code "NR" rules.         It of the ASME Code and the National Board Inspection Code "NR" rules.       Image: Code and the National Board Inspection Code "NR" rules.         It of the ASME Code and the National Board Inspection Code "NR" rules.       Image: Code and the National Board Inspection Code "NR" rules.         It of the ASME Code and the National Board Inspection Code "NR" rules.       Image: Code and to the National Board Inspection Code "NR" rules.         Int of the ASME Code and the National Board Inspection Code "NR" rules.       Image: Code and to the National Board Inspection Code "NR" rules.         Int of the ASME Code and to the National Board Inspection Code "NR" rules.       Image: Code and to the National Board Inspection Code "VR" and "NR" rules.         Int on all of the Astional Board Certificate of Authorization No. 316 to use the "NR" stamp expires 07/117/10       Image: Code and to the National Board Inspection Code "VR" and employed by the National Board of Boiler and Pressure Vessel (Signed Code and code in the best of my knowledge and belief the statement made in this report on 1 and state that to the best of my knowledge and belief this report on 1 and rules.         Int on all board Certificate of Authorization No. 20 to use the "NR" stamp expires 0 7/117/10			CERTIFICAT	E OF INSERVICE I	NSPECTION		
vork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any ersonal injury, property damage or loss of any kind arising from of connected with this inspection.       Name       Nam       Name       Name <td< td=""><td>nspectors and ce ISB CI of ne best of my kno</td><td>rtificate of compete Hartford, CT have been been been been been been been be</td><td>ency issued by the ave inspected the , this repair, modifi</td><td>jurisdiction of work described in cation or replacen</td><td>OHIO and this report on onent has been co</td><td>AN 29 200 Bar</td><td>nd state that to 👾</td></td<>	nspectors and ce ISB CI of ne best of my kno	rtificate of compete Hartford, CT have been been been been been been been be	ency issued by the ave inspected the , this repair, modifi	jurisdiction of work described in cation or replacen	OHIO and this report on onent has been co	AN 29 200 Bar	nd state that to 👾
N/A       , certify that to the best of my knowledge and belief the statements made in this report ar         orrect and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         iational Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Interview       FENOC       Signed       Q.C.       40         Interview       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel	y signing this cei ork described in	this report. Furthe	e undersigned nor armore ineither the	my employer mak	es any warranty,	expressed or impli	ea, concerning th
N/A       , certify that to the best of my knowledge and belief the statements made in this report ar         orrect and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         lational Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10       in         lational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         wate	ersonal injury, pr	operty damage or	loss of any kind ar		ected with this in	spection	W offic
Iational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       FENOC       Signed       Q.C.       313         (nume of inpur organization)       (authorized inpresentative)       Q.C.       313         CERTIFICATE OF INSERVICE INSPECTION       (authorized inpresentative)       (authorized inpresentative)         N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel       isspectors and certificate of competency issued by the jurisdiction of OHIO and employed by       and employed by         ISB CI       of       Hartford, CT       have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         vy signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the pair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be able in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection replacement         (meeting)       (meeting)       (meeting)	ersonal injury, pr	operty damage or	loss of any kind ar		ected with this in Commission	spection	nanner for any <u> </u>
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	N/A N/A orrect and the replaced and th	operty damage or <u>B</u> Sign Dair, modification, nd to the National intificate of Authorit intificate of Authorit intificate of Authorit intificate of Authorit intificate of Competer <u>Iartford, CT</u> har <u>and state that</u> rdance with Section tificate, neither the nor replacement co er for any personal	loss of any kind ar ed Thorwy CERTIF , certify that to the or replacement of the Board Inspection (Control to the cation No. 316 zation No. 20 FENOC (runn of mean operative CERTIFICAT holding a valid cor- ancy issued by the ve inspected the re- to the best of my kon XI of the ASME a undersigned nor described in this re- al injury, property d	ising from of conn  iting	Commission Commission IANCE edge and belief th devices describe R" rules. stamp expires stamp expires tanne expires NSPECTION by the National Bo OHIO and or replacement of lief, this repair, m ional Board Inspe- es any warranty, n neither the under any kind arising fr	spection MS NB9330 (Hatered based (inc and jaradicional based (inc and jaradicional based (inc and above conforms <u>12/13/10</u> 07/17/10 Perentalive) Deard of Boiler and f employed by described in this re- iodification or repla- baction Code "VR" a expressed or impli- ersigned nor my er- rom or connected v	A I A (a two semantic), (a two semantic), (a two semantic), (b two semantic), (c two

DB-0070-5							
FOF	RM NIS-2/NR-1/NVR-1 OV As Required	VNER'S REPO			PLACE	EMENTS	
1 Owner FirstEn	ergy Corp.		Date	January 30, 2008			and the second
<u>_76 Sout</u>	h Main St., Akron, OH 44308	<u> </u>		Sheet 1 of 1	1		
2. Plant Davis-B	esse Nuclear Power Station		Unit		#1		
5501 N.	SR. 2, Oak Harbor, OH 4344	19		Order #200238293 Repetr Organizau	an P.O. No. Jo		
	FirstEnergy Nuclear Opera		Туре	Code Stamp <u>NR</u>			i
_5501	N. SR. 2. Oak Harbor. OH 43	449	A	uthorization No. 20			
	, Acuresa			Expiration Date _07/	/ <u>17/10</u>		
4 Identification of Syste	ms Hanger M1170/H12	DB-SNC4	15	(Subsys 062-01)			_
5 (a) Applicable Cons	· · ·	1967 Edition			le Case N	.,	r. Salation of the second
	on of Section XI Utilized for Repairs			Edition / <u>96</u>		Code Case No	) .
							······
	6. Identification of Compo	nents Hepaired (	or Replaced a	ind Replacement Cor	nponent:	S 1	,
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Snubber	Lisega Inc.	61200/20	N/A	DB-SNC415	Unk.	Replaced	No ;
Snubber	Lisega Inc.	30700003/119	N/A	DB-SNC415	2007	Replacement	No
· · · · · · · · · · · · · · · · · · ·							
			· ·				
		7. Descript	ion of Work		L		
Existing Lisega snubb	er (serial # 61200/20) was repla	iced with a new l	ike for like re	placement snubber (	serial # 3	0700003/119).	1.1
VT-3 Visual Inspectio	n was completed satifactory.	· · · · · · · · · · · · · · · · · · ·		•			
5 (a) Cont. ANSI B31	.1 & MSS-SP58						
	·		· · · · · ·				
	· · ·	•				- <del>,</del>	
			· · · · · · · · · · · · · · · · · · ·				·
8. Tests Conducted:	Hydrostatic No Pressure N/A	Pneumatic No	Nom	inal Operating Pressure Test Temperature	• No VA	Other No °F	9 3 3
Pressure Relief				• • • •		· ·	- 77 M
Serv	ce N/A		Si	ize N/A			
Oper	ning Pressure N/A	····	BI	lowdown (if applicable)	N/A		
	Pressure and Blowdown Adjustment	s Made Using	N/A	,			
	NT/4			{Test Mec	sum)		
at _	N/A		(Location)				- '
NOTE: Supplemental sthis report is included on	sheets in the form of lists, sketches, each sheet, and (30 each sheet is r	or drawings may b	e used, provide	ed (1) size is 8 ½ X 11 in	n (2) Infor	mation in items 1 th	rough 6 on

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No.     20     to use the "NR" stamp expires     07/17/10       Date     01-30-08     FENOC     Signed     Columbus Columbus Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, <u>Ihomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN-30, 1000</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. DateSignedCommissionsCommissions
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Inspector) (National Board (not andorsements), and jurissicions, and no.))

#### Page 167 of 238

#### 15 RFO Inservice Inspection Summary

	······································			Code Section XI			
Owner FirstEne	rgy Corp		Date	February 19, 200	8	<u></u>	
76 South	Main St., Akron, OH 44308	3		Sheet 1 of 1			
Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
<u>5501 N. S</u>	R. 2, Oak Harbor, OH 434	49	• • •	Order# 200238484 Repair Organizat	on P.O. No In	h No. etc.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			_
<u> </u>	. SR. 2, Oak Harbor, OH 4;	3449	A	uthorization No. 20			
				Expiration Date _07/	17/10	-, <u></u>	
Identification of System	ns Pressurizer Code Safety	Relief Valve I	DB-RC13A	(Subsys064-04)			
	uction Code ASME III CL.1				le Case N		
	of Section XI Utilized for Repairs	-		Edition <u>96</u>			,
(c) Design Responsi	bilities FirstEnergy Corp.		<u></u>		<u>.</u>	- 	*
	6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Co	mponent	s	'.
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
1 1/8" Inlet Flg. Stud	Unknown	Unknown	N/A	N/A	Unk.	Replaced	No
1 1/8" Inlet Flg. Stud	Nova Machine Products	HT# 722735	N/A	TC# OA57	2006	Replacement	No
					·		
		-					
				· · · · · · · · · · · · · · · · · · ·			
	· · · · · · · · · · · · · · · · · · ·	7 December		<u>`</u>			
		7. Descript					
	(routine maintenance) of the a			d was replaced due to	o damage	e during removal.	
ll other existing boltin	ng materials were re-used.	bove listed valve,		d was replaced due to	o damage	e during removal.	
ll other existing boltin		bove listed valve,		d was replaced due to	o damage	e during removal.	
ll other existing boltin	ng materials were re-used.	bove listed valve,		d was replaced due t	o damag	e during removal.	
ll other existing boltin	ng materials were re-used.	bove listed valve,		d was replaced due t	o damage	e during removal.	
ll other existing boltin	ng materials were re-used.	bove listed valve,		d was replaced due t	o damag	l e during removal.	P* <b>E</b> .
Il other existing boltin VT-2 initial inservice	ng materials were re-used.	bove listed valve,		d was replaced due t	o damag	e during removal.	
ll other existing boltin VT-2 initial inservice	ng materials were re-used.	bove listed valve,	, one inlet stu	d was replaced due tr ( inal Operating Pressure Test Temperature	a Yes	e during removal,	6° E.
ll other existing boltin VT-2 initial inservice	ng materials were re-used. e leakage test was performed s Hydrostatic No Pressure <u>NOP</u>	bove listed valve, satisfactory. Pneumatic No	, one inlet stu	(	a Yes	Other No	5° \$
Il other existing boltin VT-2 initial inservice Tests Conducted:	ng materials were re-used. a leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves:	bove listed valve, satisfactory. Pneumatic No psi	, one inlet stu	( inal Operating Pressure Test Temperature	a Yes	Other No	5° \$
Il other existing boltin VT-2 initial inservice Tests Conducted: Pressure Relief V. Servic	ng materials were re-used. a leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves: P	bove listed valve, satisfactory. Pneumatic No psi	, one inlet stu	inal Operating Pressur Test Temperature <u>N</u> izə <u>N/A</u>	a Yes NOT	Other No	64 L
Il other existing boltin VT-2 initial inservice Tests Conducted: Pressure Relief V. Servic Openi	ng materials were re-used. e leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves: Pressure <u>N/A</u> ng Pressure <u>N/A</u>	bove listed valve, satisfactory. Pneumatic No psi	, one inlet stu	( inal Operating Pressure Test Temperature	a Yes NOT	Other No	64 L
Il other existing boltin VT-2 initial inservice Tests Conducted: Pressure Relief V. Servic Openi Set Pr	ng materials were re-used. a leakage test was performed s Hydrostatic No Pressure <u>NOP</u> alves: P	bove listed valve, satisfactory. Pneumatic No psi	, one inlet stu	inal Operating Pressur Test Temperature <u>N</u> izə <u>N/A</u>	a Yes NOT N/A	Other No	5° \$

			FOR	M NIS-2/NR-	-1/ <del>NVR-1</del>		
				. REMARKS		Applicable Manufacturers Data Repor	nis in be Attached
I/A							
	<u> </u>						
			CERTI	FICATE OF CO	MPLIANCE		
Richard R. Cocke eplacement of the code "NR" rules.					de in this report are of the ASME Code and		
lational Board Cer	tificate of Au	thorization I	No. <u>20</u>	to use the "N	R" stamp-sxpires	07/17/10	-
ate <u>62-19-</u>	28		FENOC		ined .	12 Connee	Q.C
		(040)	e of repair organizatio			p14467 H20072j	
		(	CERTIFICAT	TE OF INSERV			
e best of my know	ificate of con Iartford, CT	npetency iss have ins	ued by the	i jurisdiction of work describe	ed by the National B <u>OHIO</u> an d in this report on acement has been co	d employed by FEB.21, 200B an	d state that to
	de and the N	lational Boa	rd Inspection	on Code "NR"		overcessed or impli	ad concorping th
y signing this certi ork described in tr ersonal injury, proj	de and the N ificate, neithe nis report. Fi	lational Boa er the under urthermore, le or loss of	rd Inspections signed nor neither the any kind an	on Code "NR" my employer e undersigned	rules. makes any warranty, nor my employer sha connected with this ir Commissio	all be liable in any m respection	ed, concerning th anner for any
y signing this certi ork described in th ersonal injury, proj	de and the N ificate, neithe his report. Fi perty damag	lational Boa er the under urthermore, le or loss of	rd Inspections signed nor neither the any kind and norm of the	on Code "NR" my employer e undersigned	makes any warranty, nor my employer sha connected with this ir Commissio	all be liable in any m respection	ed, concerning th anner for any NTA Stick endocemental. re ))
y signing this certi rork described in the resonal injury, prop nate221	de and the N ificate, neithe his report. Fi perty damag e&	lational Boa er the under urthermore, le or loss of Signed <u>T</u> , certify ion, or repla	rd Inspection signed nor neither the any kind an <u>nem a</u> <u>CERTI</u> that to the cement of	on Code "NR" my employer a undersigned rising from of o ficarte of co best of my kit the pressure f	makes any warranty, nor my employer sha connected with this ir Commissio MPLIANCE nowledge and belief t relief devices describ	all be liable in any m hspection. ns <u>NB 9330 (National Board (lect</u> (National Board (lect end (unidections, and the statements made	NTA Still NTA Still and organization and organization and organization of the state of the
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y signing this certi ork described in the ersonal injury, proj ate <u>2211</u> <u>N/A</u> prrect and the repa e ASME Code and ational Board Cert ational Board Cert	de and the N ificate, neithe his report. Fi perty damag DS air, modificat d to the National tificate of Au	lational Boa er the under urthermore, le or loss of Signed	rd Inspectie signed nor neither the any kind al nem 4 CERTI that to the cement of Inspection No. 316	on Code "NR" my employer o undersigned rising from of o FICATE OF CO best of my kr the pressure of Code "VR" an to use the ' to use the '	makes any warranty, nor my employer sh connected with this ir Commissio MPLIANCE nowledge and belief t relief devices describ d "NR" rules. 'VR" stamp expires	all be liable in any mappection. Ins <u>NB 9330 I</u> (National Board (Incl und juridictore, and the statements made above conforms <u>12/13/10</u>	e in this report ar to Section XI of
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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449

Commercial Service Date: July 31, 1978

# FORM NR-1 REPORT OF REPAIR MODIFICATION OR REPLACEMENT TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

	1.1	Work pe	rforme	xdby_ <u>∕</u>	REVAN	VP Inc		of NR ce	rtificate	holder)			P	O#s 45255 (POn	618 D, job no.,	etc )
						33	15 Old Fo	orest Rd, I			2450	1				
	2 (	)wne:	First	Energy Co	mpany	_			(addre:	is)						
							76 South	Main St,	(name Akron (		308					
									(addres	s)						<u> </u>
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NB-81

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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Repaired Reactor Vessel Head by replacing Quick Vent Closure Assembly at CRD Location B-10
 with AREVA procedure 03–12216144-04 with SDCN 30-30691800-000
 (use of property identified additional sheet(s) or sketches is acceptable)

Quick Vent Closure Assembly with Bearing Plates S/N 76-(	0024-001-08-01	
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1) Babcock and Wilcox Company	ply to the repair activity items shown on the front	page
1) Babcock and Wilcox Company 2) Reactor Vessel Head # C24-2013-52-1	ply to the repair activity items shown on the front	page
Babcock and Wilcox Company     Reactor Vessel Head # C24-2013-52-1     ASME Section III, Class I, Division I		page
Babcock and Wilcox Company     Reactor Vessel Head # C24-2013-52-1     ASME Section III, Class I, Division I     Construction Code ASME III, 1968 Edition, 1968 Summ		page
Babcock and Wilcox Company     Reactor Vessel Head # C24-2013-52-1     ASME Section III, Class I, Division I     Construction Code ASME III, 1968 Edition, 1968 Summ     Code Cases 1332-4, 1492, and 1359-1		page
Babcock and Wilcox Company     Reactor Vessel Head # C24-2013-52-1     ASME Section III, Class I, Division I     Construction Code ASME III, 1968 Edition, 1968 Summ     Code Cases 1332-4, 1492, and 1359-1     AREVA P/N for Closure Assembly 7079271-032	er Addenda	päge
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Babcock and Wilcox Company     Reactor Vessel Head # C24-2013-52-1     ASME Section III, Class J, DVIsion I     Construction Code ASME III, 1968 Edition, 1968 Summ     Code Cases 1332-4, 1492, and 1359-1     AREVA P/N for Closure Assembly 7079271-032     Outick Vent Closure Assembly with Bearing Plates S/N 7     AREVA NP. Inc	er Addenda	page
<ol> <li>Babcock and Wilcox Company</li> <li>Reactor Vessel Head # C24-2013-52-1</li> <li>ASME Section III, Class I, Division I</li> <li>Construction Code ASME III, 1968 Edition, 1968 Summ</li> <li>Code Cases 1332-4, 1492, and 1359-1</li> <li>AREVA P/N for Closure Assembly 7079271-032</li> </ol>	er Addenda	

#### CERTIFICATE OF COMPLIANCE I, <u>Nick Simile</u>, certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement activities described above conforms to Section XI of the ASME Code and the National board Inspection Code "NR" rules. National Board Certificate of Authorization No <u>NR-64</u> to use the "NR" stamp expires <u>May 17, 2009</u> NR Certificate Holder AREVA NP Inc (name) Date April 2, 2008 Signed Manager OA/OC Operations (title) (authorized representative) CERTIFICATE OF INSPECTION I, <u>Thomas G. Laps</u>, holding a valid commission issued by The National Board of Boilet and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>Ohio</u> and employed by <u>HSBCT</u> of <u>Harford</u>, <u>CT</u> have inspected the repair, modification or replacement described in this report on <u>April 2, 2008</u> and state that to the best of my knowledge and belief, this repair, modification or replacement activity has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code 'NR' rules By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection ANT in Commissions <u>NB9330 N I A Ohio Comm</u> (National Board (incl endorsements), jurisdiction, and no ) Date April 2, 2008 Signed home

DB-0070-5		· · · · ·			· .			
	FOR	M NIS-2/NR-1 <del>/NVR-1</del> OV As Required	VNER'S REPO			PLACE	EMENTS	- - - -
1 Owner _	FirstEne	rgy Corp.		Date	February 6, 2008			_
	<u>76 South</u>	Main St., Akron, OH 44308			Sheet 1 of 2			
_		Address				-11- <b>1</b>		11
	•	sse Nuclear Power Station		Unit	·	#1		-
• _	5501 N. S	SR. 2, Oak Harbor, OH 4344	9	·	Order# 200249935 Repair Organizati		b No., elc.	-
3 Work Perfo	med by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>		· · ·	_
	<u>_5501 N</u>	SR. 2. Oak Harbor, OH 43	449	· Au	uthorization No. 20			
		,			Expiration Date _07/	17/10		
4 Identificatio	n of Systen	ns Pressurizer DB-I	002	(Subs	ys 064-04)			
5. (a) Applic	able Constr	ruction Code ASME III CL.1	1968 Edition	68 Add	lenda Cod	ie Case N	ło	สเราะ
(b) Applic	able Editior	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> E	Edition <u>96</u> A	Addenda	Code Case N-	416-3
(c) Design	Responsil	bilities FirstEnergy Corp., W	elding Services In	nc.(WSI), Stru	ictural Integrity Asso	ciates I	nć	
<u>.</u>		6. Identification of Compo	onents Repaired o	or Replaced a	nd Replacement Cor	nponent	S	
Name of Con	nponent	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Pressurizer		Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
					· ·			
	·							
		· · ·	7. Descript	ion of Work			L	·
The existing	4" pressur	izer spray nozzle weld was we	ld overlayed by V	WSI.				144 M
		erformed by WSI per PO# 102			1-TR-002			
All work con	pleted by	WSI is documented on "NR-2	/ Report of Repa	urs.			<u> </u>	
FirstEnergy (	Corp. (DB)	) performed a VT-2 initial inse	rvice leakage tes	t. Test was sa	tisfactory.		······	
	• .							
8. Tests Co Pressur	nducted: e Relief Va	Hydrostatic No Pressure <u>NOP</u> alves:	Pneumatic No psi	Nom	inal Operating Pressure Test Temperature	Yes NOT	Other No °F	
•	Servic	e <u>N/A</u>	·	Si	ze <u>N/A</u>			
	-	ng Pressure N/A		B	owdown (if applicable)	<u>N/A</u>		
· · · ·	Set Pr	essure and Blowdown Adjustment	s Made Using <u>1</u>	N/A	(Tesi Mec	iium)		
	at N	N/A					_ <u>.</u>	
		neets in the form of lists, sketches,						1rough 6 on
this report is in	ded on e	ach sheet, and (30 each sheet is r	umbered and the n	umber of sheet	s is recorded at the top	of this fo	<u>m.</u>	

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DB-0070-5	
FORM NIS-2/NR-1/ <del>NVR-1</del>	
9. REMARKS	Applicable Manufacturers Data Reports to be Attached
Welding Services Inc.	
	<u></u>
CERTIFICATE OF COMPLIANCE	
Richard R. Cockrell , certify that the statements made in this report replacement of the items described above conforms to Section XI of the ASME Coc Code "NR" rules.	
National Board Certificate of Authorization No. 20 to use the "NR" stamp expire	əs <u>07/17/10</u>
Date 02-06-08 FENOC Signed (nume of repair organization)	al R Cochiele Q.C.
CERTIFICATE OF INSERVICE INSPECTIO	
I, <u>Thomas G. Laps</u> holding a valid commission issued by the National Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> <u>HSB CI</u> of <u>Hartford, CT</u> have inspected the work described in this report the best of my knowledge and belief, this repair, modification or replacement has be XI of the ASME Code and the National Board Inspection Code "NR" rules.	and employed by on TFB. 7, JeoBand state that to
By signing this certificate, neither the undersigned nor my employer makes any war work described in this report. Furthermore, neither the undersigned nor my employ personal injury, property damage or loss of any kind arising from of connected with	er shall be liable in any manner for any
Date <u>1708</u> Signed <u>Thoms Book</u> Comm	nissions <u>NB9338 NTTA</u> COMM (National Soard (incl endorsements)), and jurisdictions and no ())
CERTIFICATE OF COMPLIANCE	
I, N/A , certify that to the best of my knowledge and b correct and the repair, modification, or replacement of the pressure relief devices de the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	
National Board Certificate of Authorization No. 316 to use the "VR" stamp exp	ires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp exp	ires <u>07/17/10</u>
EENO( Circad	AC 3
Date FENOC Signed (auron of input or gainstation)	horized representative)
	<b>1</b>
I, N/A       holding a valid commission issued by the National Inspectors and certificate of competency issued by the jurisdiction of OHIO         HSB CI       of       Hartford, CI       have inspected the repair, modification or replace         and state that to the best of my knowledge and belief, this represented in accordance with Section XI of the ASME Code and the National Board         By signing this certificate, neither the undersigned nor my employer makes any war repair, modification or replacement described in this report. Furthermore, neither the liable in any manner for any personal injury, property damage or loss of any kind articles.	_ and employed by ment described in this report on pair, modification or replacement has been d Inspection Code "VR" and "NR" rules ranty, expressed or implied, concerning the e undersigned nor my employer shall be:re
Date Signed Comm	nissions
	(National Board (inci endorsements). and jurisdictions, and no ))
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	FORM NR-1		OF REPAIR			ODIFICATI			PIACEN	ŒN J 🚺		2-2-6-
		TO NUCLE.	AR COMPON	VENTS AND	SYSIEM	AS IN NUC	EAR PC	WER PLANT	s			
Vork performed by			Wel	ding Service						103571		
	•		223	inner of NF Skyland C 25	Court Mo		20074			(P.O.	30. job 00. etc.)	
				LO OKyland C	(address							
wher .					First E	nergy Cor	<u>.</u>					
				76 S 1		kron, OH		_				
Name, address, Iden	tification of nuclear pov	ver plant.			(sóáras Di		5501 N	. State Rte. 2	Oak Ha	arbor, Ohio	43449	
System				Reactor C	Cooling	System "	<b>२८</b> 5"	· · · · ·				
Items Which Requi	red Repair, Modification	n, or Replacement Identificatio						Constructio	a Code		Activity	
Type of I	Míg	Mfg.	Nat1 Bd	Jurisd. No	Other	Year Built	Nacia	Fdition/	Code	Code Class	Repair/ Mod/ Repla	
	Ivanie	Serial No	No		Other	_	Divisio	n Addenda	Case(s)			
RCS Spray Noz	B&W	520-0014-59	N-157	N/A	N/A	1972	ASME Div.		N/A	1	Repair	
Spray Noz	218	<u>├</u>		+	<u> </u>		Div.	1 1900	+			
			·		•				1			
tiens installed Dur	ing Replacement Activi	lies Identifi	ication	······································		<u> </u>				Constructio	n Code	·
Type of ham	Installed or replaced	Mig	Mfg. N	at'l Bd No	Jurisd	Other	Year	Name	Edition/	Code	Code Class	
	Sa ltem No	Name Se	rial No.	·	No		Built	Division	Addenda .	Case(s)		
Weld Overtay	"see line 11 & 12 of this form"	WSI	N/A	N/A	N/A	N/A	2007	ASME XI	95/96	N-740	1	
	12 01 118 10/10"	┼──┼──			<u> </u>			├				
	l						-					
ASME Code Section	a XI applicable for in-se	ervices inspection:			995 livica)			996			N/A (Case Case(s))	
ASME Code Section	n XI used for repairs, m	odifications, or re	placements:	(		1995		1996		N-7	740, See line 11	
0	and for repairs modifie			••		odatica)		(attenta)			(Crdo Case(s))	x* 2 m v.
Louisinucada Code t	nodific nor repairs, modified	asion or replaced				E III, 1968 edition)	- 50	(#thefaile)		•	(Code Case(2))	
Design responsibilit	ies				FENO	C First Ene	irgy Nuc	lear Operating	Co.			
Tests conducted:	hydros	tastic 🗍 pr	eumatic	design pr	essure	<b></b> •	ssure	osi	Code (	Case(s)	N/A	
Description of wor				(use of pr	operly ide	nufied additio	nal sheet(	s) or sketch(es) i	acceptab	le)	an in accordance wi	
elief Request F	RR-A30 and for an	nend code ca	se N-740									
												<u> </u>
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/SI field weld n	umber. Spray-WC	DL Davis Be	sse field we							<u>.</u>		
	·····				Stainle	ss Steel"	Nekd# F	C-MK-A-90	FW56			
2. Remarks	14 0	0 T 0202 0	100820 0	(1. 31 <b>.</b> 1.1				6 14 025				
PS used for we	Id Overlay 01-43-0	8-1-8303-Spra	IY 102650 R	/1; weid wir	e used E	KNICTFe-	ASPA	5.14 .035				
	·		·							<u> </u>		
			(	CERTIFICA	ATE OF	COMPL	ANCE	. •				
٤	James E. H	entz .cer	tify that to the	e best of my k	nowleda	e and belief	the states	ments made in	this repo	rt are		
Correct	t and the repair, mod	ification or repl	acement activ	vities describe	d above	conform to	Section X	I of the ASME	Code an	rd.		
	in a second the second second	on Code "NR" r			80					2040		1
	al Board Certificate : rtificate Holder	Autoonzation	190	NR		to use th ing Service		mp expires h	IOV. 6	2010	-	1
		6	-			(1839)					-	1
Date	1/18/200	8_Signed	RZ -	animal contractor				QAJQC h		· · · · · · · · · · · · · · · · · · ·	_	
				<b>dERTIFIC</b>	"	E INSPEC	100	(6)				
1,	THOMAS G.	LAPS, hol	ding a valid o	commission is	sued by	The Nation	a Board a	of Boiler and P	ressure V	essel		
	tors and certificate of	competency is	sued by the ju	risdiction of			PHIC		nd emplo			
	HSB	CT				AFT to _		D. (T.	-	have		
	ted the repair, modified						PILZ			that to the		1
	iny knowledge and t n XI of the ASME Co						complet	ou in accordan	ue willi			1
By sign	ning this certificate,	wither the unde	rsigned nor n	ay employer a	nakes any	y warranty, o						
the wo	rk described in this r	eport. Furtherm	ore, neither th	he undersigne	d nor ny	employer s	hall be lis	able in any mar				1
any pe	rsonal injury, proper	ty damage or a l	oss of any kir	u arising from	n or cont	sected with	his inspe	ction		v 7	4 1 x 11	、
Date	oiladi	Signed	home	' মাখ	an	, c	ommissio	ns NR	1320	1 NI		
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		(inspector)	marz	<b>«</b>	(Nation	al Bourd (incl endorse	nents), jarís	littice, and no )		- T

15 RFO Inservice Inspection Summary FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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Page	174	of	238

(c) Design Responsibilities <u>FirstEnergy Corp., Welding Services Inc. (W</u> 6. Identification of Components Repaired or Rep Manufacturer's Na	Type Code Stamp Authorization N Expiration Da (Subsys 064-04) 68 Addenda 95 Edition 91 SI), Structural Integ placed and Replacer tional other Identi Jurisdiction	#1 249948 eper Organization P.O. No	e No ta Code Case N s Inc. ents r Repaired t Replaced or Replacement	-416-3
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Identification of Systems     Pressurizer     DB-1002       (a) Applicable Construction Code     ASME III CL 1     1968 Edition       (b) Applicable Edition of Section XI Utilized for Repairs or Replacements     19       (c) Design Responsibilities     FirstEnergy Corp., Welding Services Inc. (Welding Services Inc.)       6. Identification of Components Repaired or Replacement     Name of Component       Name of Component     Name of Manufacturer     Manufacturer's Serial No	(Subsys 064-04) 68 Addenda <u>95</u> Edition <u>91</u> SI), Structural Integ placed and Replacer stional other Identi Jurisdiction	Code Cast Code Cast Addend arity Associates ment Compone ification/ nal No Buil	e No ta Code Case N s Inc ents rr Repaired Replaced or Replacement	ASME Code Stampe
(a) Applicable Construction Code       ASME III CL 1       1968 Edition         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements       19         (c) Design Responsibilities       FirstEnergy Corp., Welding Services Inc. (W.)         6. Identification of Components Repaired or Replacement         Name of Component       Name of Manufacturer         Manufacturer's       Name Serial No	68 Addenda <u>95</u> Edition <u>91</u> <u>SI), Structural Integ</u> placed and Replacer tional other Identi Jurisdiction	Addend arity Associates ment Compone ification/ Yea Buil	ta Code Case N s Inc ents rr Repaired Replaced or Replacement	ASME Code Stampe
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements       19         (c) Design Responsibilities       FirstEnergy Corp., Welding Services Inc.(With the services of the serv	95 Edition 91 ST), Structural Integ placed and Replacer stional Other Identi Jurisdiction	Addend arity Associates ment Compone ification/ Yea Buil	ta Code Case N s Inc ents rr Repaired Replaced or Replacement	ASME Code Stampe
(c) Design Responsibilities       FirstEnergy Corp., Welding Services Inc. (W.         6. Identification of Components Repaired or Rep         Name of Component       Name of Manufacturer         Manufacturer's       Name of Manufacturer	ST), Structural Integ placed and Replacer stional ard No. Other Identi Jurisdiction	ment Compone ification/ nal No	s Inc.	ASME Code Stampe
6. Identification of Components Repaired or Rep Name of Component Name of Manufacturer Manufacturer's Boa	blaced and Replacer tional Other Identi ard No. Jurisdiction	ment Compone ification/ Yea nal No Buit	ants Ar Repaired It Replaced or Replacement	. Code Stampe
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Name of Component Name of Manufacturer Serial No Boa	ard No. Jurisdiction	nal No Buil	It Replaced or Replacement	. Code Stampe
ressurizer Babcock & Wilcox 620-0014-59 N-15	57 DB-T002	1972	Repaired	Ver
				I es -
	·		<u></u>	
7. Description of				
he existing 10" pressurizer surge nozzle weld was weld overlayed by WSI. Il phyical work was performed by WSI per PO# 103571 and WSI traveler#				
Il work completed by WSI is documented on "NR-21 Report of Repairs.				
irstEnergy Corp. (DB) performed a VT-2 initial inservice leakage test. Test	t was satisfactory.			
	<u></u>		· · · · · · · · · · · · · · · · · · ·	
			<u> </u>	· · · ·
. Tests Conducted: Hydrostatic No. Pneumatic No.	Nominal Operating	g Pressure Yes	Other No	
Pressure <u>NOP</u> psi Pressure Relief Valves:	Test Temper	rature <u>NOT</u>	. <u></u> °F	نىــ
, Service N/A	Size <u>N/A</u>			
Opening Pressure N/A	Blowdown (if ar	pplicable) N/A	A	
Set Pressure and Blowdown Adjustments Made Using N/A	, ···			
at N/A		(Test Medium)		

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS Applicable Monulacturem Data Reports to be Attached
Welding Services Inc.
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stampexpires 07/17/10
Date 02-06-08 FENOC Signed Februar Q.C.
CERTIFICATE OF INSERVICE INSPECTION
i, <u>Thomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel, Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>Fes. 7, 2e08</u> , and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section- XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date <u>2708</u> Signed <u>Thormet Urice</u> Commissions <u>NB 9330</u> <u>NTA</u> community. (Inspection) and jurisdictions and no.))
) CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C. 34
I,       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CT       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been       completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall being
liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection
Date Signed Commissions
and jurisplations and no ))
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	FORM NR-1		ORT OF REPA	URLX PONENTS AND		ODIFICATI MS IN NUC						Ċ
Work performed by			_	Velding Service	-					T	103571	"NR-21"
. ,					L						(P.O. o	0. jub 10. at.)
			·····	2225 Skyland	(KHAN		4 30071					
Owner					First	Energy Co	ъ. ·					
				76 5	(um) Main A	») Akron, OH		. '				
					(adure	xa)						
Name address, Identifi	ation of nuclear	power plant	· .	, . <u></u>	Da	vis-Besse,	5501 N.	State Rt	ø. 2, (	)ak Har	ber, Ohio	43449
System					Cooling	System '	RCS"					
Items Which Required	Repair, Modico		ification	ues				Cons	ruction	Code		Activity
o Type of hem	Míz. Name	Mfg	Nati Br	d Jurisd No	Other	Year Built	Name Section		ition/ ienda	Code Case(s)	Code Class	Repair/Mod/ Replace
RCS	Baw	Serial N 620-001			-N/A	1972	Divisio III/1	۵	68	N/A		Repair
PZR Surge ,	1	1							68			
RC-PZR-WP-23		I	1	_1	<u> </u>	1	L					l
Items Installed During	Replacement A	ctivities										<u></u>
			Identification			1	<u> </u>	Ne		_	Construction	n Code
Type of them	Installed or replaced	. Mig. Neme	Mfg.	Nari Bd No	Jurisd.	Other	Year Built	Name	' L	iditioo/ ddenda	Code Case(s)	Code Class
Weld Overlay	5a ltem No	WSF	Serial No.	N/A	No.	N/A	2007	ASME 2	<u> </u>	5796	N-740	· · · · · · · · · · · · · · · · · · ·
ERNICrFe-7A	#11-12	+***			1	+ ~			1		"see 11"	
Heat#									1			
NXOT86TK ASME Code Section X	I applicable free	in-services in	spection	L	995	.L	L	996	-L		L	N/A
			-	(9	denon)			(مانيسانا	-	_		(Code Case(s))
SME Code Section X	I used for repair	n modificati	ant, or replacem	ents:		1995 (m2/titam)		1996 (addicerta)	-		<u>N-7</u>	(Code Cane(1))
Construction Code use	d for repairs, mo	dification, o	r replacements.		ASM	IE 11, 1968	Su	mmer 196	e e		٢	N/A
						(addition) C First Ene		(adoptit)	stine	Co		(Code Case(*))
Design responsibilities	·											
Tests conducted:	hydros	static	pneumatic	st to be perf		<u> </u>	- and the second	·	psi	Code C	.ase(s)	N/A
	work order r	number 2	00260265.	ormed in acco	Indance		Travele	10357	I-TR-	004 Re	v./ 0 whi	ch incorporates e with Relief Request
RR-A30 and for a	mend code (	case N-74	40									
2. Remarks												
VPS used for Weld Ov	eriny 01-08-T-	04-Bettom	Wit Weld whe	used ERNICrFe-	7A SFA 5	.14 .035 Hea	I # NXOTS	6IK				
SI Field Weld Numb	r: Surge-WOL	.: Davis Be	se Field Weld I	fumber RC-PZR-	WP-23							
												······
				CERTIFIC	CATEC	F COMP	LIANCE					
the Natio National	nal Board Insp Board Certific	modification ection Cod	n or replaceme le "NR " rules	o the best of my is matactivities dest	knowledg cribed ab (-69	ove conform	n to Soctia he 'NR sta	n XI of t	he AS	ME Cod	nt are and . 2010	• •
in cui	ficate Holder		Æ		VVEN	(ness)	es inc.	04		ispecto		<u> </u>
Date		B Signed		(Signised represented	>				(44)			
1, T <b>R</b> e	MAS G	. LAP	Cholding a va	CERTIFI lid commission		OF INSPE		of Boîler				
Inspector	s and certifica		etency issued b	y the jurisdictio	n of		410		~ *	nd empk		
		A dification	or replacement	t described in the	S TOWN	of	RIFOR	å C	<u>ل</u> م	od state	have that to the	
best of m	y knowledge a	und belief, f	his repair, moo	dification or repl	acement		been con	pleted in				
Section 2	I of the ASM	E Code and	the National 1	Board Inspection	Code "	VR* rules						
				either the under								
				any kind arising								
Date	1 1	Signed		wey If	) 2014		Commissi	ons <u>h</u>	1B	1335	S'N	IA COMM
				(inspected)	11		(Natio	nti Overd (im	a endersa	rotats), jern	and see, and so.	<u> </u>

DB-0070-5	· · ·			·			
FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV As Required I	VNER'S REPO			PLACE	EMENTS	
1. Owner FirstEner	rgy Corp.		Date	February 6, 2008			- B. 764
_76 South	Main St., Akron, OH 44308	<u>.                                    </u>		Sheet 1 of 2			
2 Plant Davis-Be	sse Nuclear Power Station		Unit	<u> </u>	<u>#1</u>		- :
<u>5501 N. S</u>	SR. 2, Oak Harbor, OH 4344	9	-	Order# 200249949 Repetr Organizati	kan P.Q. No., Jo	b No., etc.	-
3 Work Performed by _	FirstEnergy Nuclear Operat	ting Co.	Туре	Code Stamp <u>NR</u>			
<u>_5501 N</u>	SR. 2, Oak Harbor, OH 43 Address	449	Au ,	uthorization No. 20			<del>.</del>
4. Identification of System	ns Pressurizer DB-1	1002	(Subr	Expiration Date <u>07/</u> ys 064-04)	/17/10	· · · · · · · · · · · · · · · · · · ·	
r				K	le Case N		- 1
	ruction Code <u>ASME III CL.1</u> n of Section XI Utilized for Repairs	-		Edition <u>96</u> A		•	416-3
	bilities <u>FirstEnergy Corp., W</u>						410-5
	· · · · · · · · · · · · · · · · · · ·						
	6. Identification of Compo					γ <u> </u>	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Pressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
		··		· · ·		· · · · ·	
· · · ·		· · · · · · · · · · · · · · · · · · ·					
	I	7. Descript	ion of Work		<u> </u>	<u>t</u>	L
	ssurizer relief nozzle (RC2A)						141994 +36454
	erformed by WSI per PO# 103 WSI is documented on "NR-2			<u>1-TR-003-1</u>			
The work completed by							
FirstEnergy Corp. (DB	) performed a VT-2 initial inse	rvice leakage tes	t. Test was sat	tisfactory.		·····	<u></u>
·							with the second
	· · · · · · · · · · · · · · · · · · ·	<u>`</u>					
8 Tests Conducted:	Hydrostatic No	Pneumatic No		Inal Operating Pressure		Other No	
Pressure Relief V	Pressure <u>NOP</u> alves:	psi		Test Temperature	101 _	°F	1
Servic	e N/A		. Si	ze N/A			
Openi	ng Pressure <u>N/A</u>		Bi	owdown (if applicable)	<u>N/A</u>		
Set Pr	ressure and Blowdown Adjustment	s Made Using <u>1</u>	N/A	(Test Mac			
at _]	N/A			(* e61 MBC		_ ·	n y ga Tha ann
	neets in the form of lists, sketches,	or drawings may b	(Location) e used, provide	d (1) size is 8 ½ X 11 ir	n. (2) Infor	mation in items 1 th	rough 6-on
	ach sheet, and (30 each sheet is n						
		· •					

#### 15 RFO Inservice Inspection Summary FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

Premarks       Premarks         Valding Services Inc.       CERTIFICATE OF COMPLIANCE         Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or optimes to Section Not of the ASME Code and to the National Board Inspection         bate       D2.04-04	P. REMARKS      Appendix Musician and Data Reports to a Allected      Welding Services Inc.      CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      Certify that the statements made in this report are correct and the repair, modificat     replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect Code "NR" rules. National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Date 02-02-02      FENOC     FENOC     Tems of repart organization      CERTIFICATE OF INSERVICE INSPECTION  I, Thomas G. Laps     holding a valid commission issued by the National Board of Boiler and Pressure Ve Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by ISB-CI of Hartford, CT have inspected the work described in this report on EES (- 2008) and state tha the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with S XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concern work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a personal injury, property damage or loss of any kind arising from of connected with this inspection.	essel ection
Appendix       Appendix Network to Next Weilding Services Inc.         Veiding Services Inc.	BEMARKS       CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      Certify that the statements made in this report are correct and the repair, modificat replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect Code "NR" rules. National Board Certificate of Authorization No. 20	essel
CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      CERTIFICATE OF COMPLIANCE      Certificate of Authorization No. 20 to use the "NF" stamp payries     OT/17/10     OCC     Description     CERTIFICATE OF INSERVICE INSPECTION      CERTIFICATE OF INSERVICE INSPECTION      CERTIFICATE OF INSERVICE INSPECTION      CERTIFICATE OF COMPLIANCE      Commissions     Model and completency issued by the jurisdiction of Office and Pressure Vessel     Signed Intoined Code and the this report. Furthermore, netther the undersigned nor my employer hall be liable in any manner for any     resonal injury, property damage or loss of any kind arising from of connected with this inspection.      CERTIFICATE OF OMPLIANCE      N/A	9. REMARKS         Welding Services Inc.         CERTIFICATE OF COMPLIANCE         Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modifica         eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect         Code "NR" rules.         vational Board Certificate of Authorization No. 20       to use the "NR" stamp expires       07/17/10         Date       02-02-02       FENOC       Signed       02-02-02       Q.C.         CERTIFICATE OF INSERVICE INSPECTION         Inomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vertices and certificate of competency issued by the jurisdiction of       OHIO       and employed by         ISB-CT       of       Hartford, CT       have inspected the work described in this report on       EER.6, 200B and state tha         holding a valid commission replacement has been completed in accordance with S         Signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concern ork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a ersonal injury, property damage or loss of any kind arising from of connected with this inspection.	ation, or tion essel
CERTIFICATE OF COMPLIANCE         Richard R. Cockrell       .certify that the statements made in this report are correct and the repair, modification, o dot "NF" rules.         ational Board Certificate of Authorization No. 20 to use the "NF" stamp Dyprises       07/17/10         ate       02.06.02       _FENOC       Signed	CERTIFICATE OF COMPLIANCE         Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modifical aplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect to the "NR" rules.         ational Board Certificate of Authorization No.       20 to use the "NR" stamp expires       07/17/10	essel
CERTIFICATE OF COMPLIANCE           Richard R. Cockrell	Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modifical epidecement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described in the items described in the items described in this report. Further depulsion, the items described in this report of the items described in this report of the items described in this report on the items described in this report. Furthermore, neither the undersigned nor my employer makes any warranty, expressed or implied, concern ork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a resonal injury, property damage or loss of any kind arising from of connected with this inspection.	essel
CERTIFICATE OF COMPLIANCE           Sichard R. Cockrell         , certify that the statements made in this report are correct and the repair, modification, o placement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection ode "NR" uses.           ational Board Certificate of Authorization No. 20         to use the "NR" stamp projects         O/117/10           ate         0.2.06.08         PENOC         Signed	Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modifical epidecement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described above conforms to Section XI of the ASME Code and to the National Board Inspect for the items described in the items described in the items described in this report. Further depulsion, the items described in this report of the items described in this report of the items described in this report on the items described in this report. Furthermore, neither the undersigned nor my employer makes any warranty, expressed or implied, concern ork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a resonal injury, property damage or loss of any kind arising from of connected with this inspection.	essel
Richard R. Cockrell	Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modifical eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect to de "NR" rules.         Internal Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Internal Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Internal Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Internal Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Internal Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Internal Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Internal Board Certificate of Competency issued by the Inspectors and certificate of competency issued by the jurisdiction of       Internal Board of Boiler and Pressure Versitive)       0.00         Isspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by       0.00         ISB_CT       of       Hartford, CT       have inspected the work described in this report on       0.00       0.00       0.00       0.00       0.00       0.00       0.00       0.00       <	essel ection
Richard R. Cockrell	Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modifical epiacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect Code "NR" rules.         Autional Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       D2-04-08       FENOC       Signed       07/17/10         Image: G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Versions and certificate of competency issued by the jurisdiction of       OHIO       and employed by         ISB-CT       of       Hartford, CT       have inspected the work described in this report on       FEP. 6, 2008       and state that he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with SI of the ASME Code and the National Board Inspection Code "NR" rules.         ty signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concern york described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a ersonal injury, property damage or loss of any kind arising from of connected with this inspection.	essel ection
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pipacement of the liens described above conforms to Section XI of the ASME Code and to the National Board Inspection tode "NR" tarm	eplacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspect Code "NR" rules. lational Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Date 02-04-08 FENOC Signed Conference OCC (reme of repar organization) CERTIFICATE OF INSERVICE INSPECTION Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Verificate of Authorization of 0HIO and employed by ISB-CT of Hartford, CT have inspected the work described in this report on FER. 6, 700B and state that he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with S CI of the ASME Code and the National Board Inspection Code "NR" rules. by signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concern provek described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a ersonal injury, property damage or loss of any kind arising from of connected with this inspection.	essel ection
hale       D2-04-02       FENOC       Signed       Difference       O.C.         CERTIFICATE OF INSERVICE INSPECTION         Interview matures         Description         Difference       O.C.         Thomas G. Laps       holding a valid commission issued by the National Board of Boller and Pressure Vessel         Signed Difference         Difference         Difference         Signed Difference         CERTIFICATE OF INSERVICE INSPECTION         Inspectors and certificate of competency issued by the inviscinction of OHIO         Difference         Difference         Signed Theorem         OF Mathematication or replacement has been completed in accordance with Section in the report on forms to so of any kind arising from of connected with this inspection.         OF MEDICACE         NA         CERTIFICATE OF COMPLIANCE         NA         Or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Cortification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Cortificate of Authorization No. <u>316</u> to use the "NR" stamp expires <td>Date       D2-02-02       FENOC (reme of repair organization)       Signed       Call Contract representative)       O.C.         CERTIFICATE OF INSERVICE INSPECTION         Informas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vectors and certificate of competency issued by the jurisdiction of ISB-CT of Hartford, CT have inspected the work described in this report on FEP. 6, 200B and state that he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with S Cl of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concern york described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a ersonal injury, property damage or loss of any kind arising from of connected with this inspection.</td> <td>essel at to ection-</td>	Date       D2-02-02       FENOC (reme of repair organization)       Signed       Call Contract representative)       O.C.         CERTIFICATE OF INSERVICE INSPECTION         Informas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vectors and certificate of competency issued by the jurisdiction of ISB-CT of Hartford, CT have inspected the work described in this report on FEP. 6, 200B and state that he best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with S Cl of the ASME Code and the National Board Inspection Code "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concern york described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a ersonal injury, property damage or loss of any kind arising from of connected with this inspection.	essel at to ection-
CERTIFICATE OF INSERVICE INSPECTION  Ihomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel SBCT of Hartford, CI have indexed by the jurisdiction or replacement described above conforms to Section XI of the best of my knowledge and belief, this repair, modification or replacement pressure vessel signed to competency issued by the undersigned nor my employer shall be liable in any manner for any resonal injury, property damage or loss of any kind arising from of connected with this inspection.  CERTIFICATE OF COMPLIANCE N/A CERTIFICATE OF COMPLIANCE N/A CERTIFICATE OF COMPLIANCE N/A CERTIFICATE OF INSERVICE INSPEction Code "NR" rules.  CERTIFICATE OF INSERVICE INSPEction Code "NR" rules.  N/A CERTIFICATE OF COMPLIANCE N/A CERTIFICATE OF COMPLIANCE N/A CERTIFICATE OF COMPLIANCE N/A CERTIFICATE OF INSERVICE INSPEction Code "NR" rules.  ational Board Certificate of Authorization No. 316 to use the "NR" stamp expires 12/13/10 CERTIFICATE OF INSERVICE INSPEctION N/A CERTIFICATE OF OPENene, warranty, expressed or implice, concerning th pair, modification or replacement has beer OTHER AND COMPLIANCE N/A CERTIFICATE OF INSERVICE INSPEctION N/A CERTIF	CERTIFICATE OF INSERVICE INSPECTION  (automated representative)  CERTIFICATE OF INSERVICE INSPECTION  (b) CONTROL OF	essel at to ection-
CERTIFICATE OF INSERVICE INSPECTION         Ihomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         ISB_CT       of       Hartford, CT       have inspected the work described in this report on <a href="https://cee.sed">GEP. 6, 200 B</a> and state that to          The best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section I of the ASME Code and the National Board Inspection Code "NR" rules.       Image: Section of this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any ersonal injury, property damage or loss of any kind arising from of connected with this inspection.         Inter       246(0B       Signed       Image: Signed The repair. Commissions       MB3320 M I A         Inter       Commissions       MB3320 M I A       Image: Signed The repair. Commissions       MB3320 M I A         Inter       Commissions       MB3320 M I A       Image: Signed The repair. Commissions       MB3320 M I A         Inter       Commissions       MB3320 M I A       Image: Signed The repair. Commissions       MB3320 M I A         Inter       Certificate of competency with the the best of my knowledge and belief the statements made in this report are interval.       Commission Signed The repair. Commission Signed Certificate of Authorization No. 20 to use the "NP" st	CERTIFICATE OF INSERVICE INSPECTION         Ihomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Values and certificate of competency issued by the jurisdiction of OHIO and employed by         ISB CT       of       Hartford, CT       have inspected the work described in this report on FEB-6, 2008 and state that the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with S of the ASME Code and the National Board Inspection Code "NR" rules.         y signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concern fork described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for a ersonal injury, property damage or loss of any kind arising from of connected with this inspection.	it to lection-
Thomas G. Laps       holding a valid commission issued by the National Board of Bolier and Pressure Vessel         Ispectors and certificate of competency issued by the jurisdiction of	Ihomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Verspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>ISB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>FEB. 6, 2008</u> and state that the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with S is of the ASME Code and the National Board Inspection Code "NR" rules.	it to lection-
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N/A       , certify that to the best of my knowledge and belief the statements made in this report ar         orrect and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         ational Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10       1         ational Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         ate	(Instead of a construction of the construction	OHD
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any procession. Any pro-	<u>SB CT</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rul y signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerr apair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer sha able in any manner for any personal injury, property damage or loss of any kind arising from or connected with this ins	s been les ning the
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Items Which Required Repair, Modification, or Replacement Activities Identification								· · · · ·	1		Activity		
1		T		Ale Nati			T	·	Nam	Edi	ruction Code		
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terns Installed Du	aring Repla	cement Activit		Identifica	tion							Constructi	on Code
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estruction Code	used for re	pairs, modifica	stion, or re	placemer	ds:		ASM	E 11, 1968	Su	nmer 1968	<u> </u>	. <u>.</u>	N/A
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sign responsibili	ue							C First Ene	agy noc	ear oper			
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Description of wo	rtk.	Prz	r. Relief	Nozzie	s "SRV	1 Repair st	arted wit	th a Stainle	ess Stee	al Butter	layer prior	to a Struc	tural Weld Overlay and
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any per Date	rie describ	ed in this rep	ort. Furth	iennose,	neither	the undersigned	nor my	employer sh ected with th	all be liat iis inspec	tion		NIA	elko Conk

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## 15 RFO Inservice Inspection Summary

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·: F	ORM NIS-2/NR-1/NVF As Re	quired by the Provisions			PLACI	EMENTS	· ·
Owner First	Energy Corp.		Date	February 6, 2008			
<u>_76 S</u>	outh Main St., Akron, OH	44308		Sheet 1 of 2			
2. Plant Davi	s-Besse Nuclear Power Sta	ation	Unit		#1	· · · · · · · · · · · · · · · · · · ·	
5501	N. SR. 2, Oak Harbor, Ol	H 43449	· _	Order# 200249950 Repair Organizati		h Ma etc	
	by FirstEnergy Nuclear		Туре	Code Stamp <u>NR</u>		· · · · · · · · · · · · · · · · · · ·	<u> </u>
55	01 N. SR. 2, Oak Harbor,	OH 43449	· Au	uthorization No. 20			to
				Expiration Date _07/	/17/10		10 
. Identification of S	ystems Pressurizer	DB-1002	(Subs	ys 064-04)			.`
					-	7	
(a) Applicable C	construction Code ASME II	II CL.1 1968 Edition	68 Add	enua Coo	ie Case I	NU	. •#• 4704
(b) Applicable F	dition of Section XI Utilized for	Repairs or Replacements	19 <u>95</u> E	Edition <u>96</u> A	Adenda	Code Case N-	416-3
(c) Design Res	onsibilities FirstEnergy Co	orp., Welding Services I	nc.(WSI), Stru	ctural Integrity Asso	ociates I	nc	
	6. Identification of	Components Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Compone	nt Name of Manufactu	rer Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
ressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
00001201	Dibbook & Hincox						
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DB-0070-5	· 
FORM NIS-2/NB-1/ <del>NVB-1</del>	· · · ·
Applicable Manufacturers Oata Reports to ba Atlaz	hed and the
9. REMARKS	
Welding Services Inc.	
CERTIFICATE OF COMPLIANCE	
1, Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, model replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Instruction Code "NR" rules.         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date       02.06.02       FENOC       Signed       Signed       Signed	
t, <u>Thomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressur Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford</u> , <u>CI</u> have inspected the work described in this report on <u>Feb</u> ob <u>Aoob</u> and state the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance wi XI of the ASME Code and the National Board Inspection Code "NR" rules.	that to
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, cor work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner personal injury, property damage or loss of any kind arising from of connected with this inspection. Date <u>2608</u> Signed Thomas Band of the indersement of public band of the indersement and public band (met indersement and public band and public band and and and and and and and and and	for any
CERTIFICATE OF COMPLIANCE	
I, N/A , certify that to the best of my knowledge and belief the statements made in this correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Sec the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10	з. 
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10	
Date FENOC Signed	<u>Q.C.</u>
I,       N/A       holding a valid commission issued by the National Board of Boiler and Pressur         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on	t has been " rules. cerning the shall bears
Data Signad Commissions	1
Date Signed Commissions	a) 7 <sup>1</sup> .
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3 Nar	me, address, Identi	fication o	of nuclear pow	er plant.			D	avis-Besse	, 5501 N	State Rte.	2, Oak H	arbor, Ohio	43449	·
4. Sys						Reactor	Cooling	System "	RCS"					
50. ite	ems Which Require	a Repair	r, Modification	, or Replacem Identifica				·	<u></u>	Construc	ion Code	_,,	Activity	
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DB-0070-5	· · · · ·						
F	ORM NIS-2/NR-1/ <del>NVR-1</del> O As Required	WNER'S REP by the Provisions			PLAC	EMENTS	и то <sub>1</sub> и 1
1 Owner First	Energy Corp.		Date	February 6, 2008			
<u>_76 So</u>	uth Main St., Akron, OH 4430	8		Sheet 1 of 2			
2. Plant Davis	-Besse Nuclear Power Station		Unit		#1		
5501	N. SR. 2, Oak Harbor, OH 434	49	-	Order# 200249951 Repair Organizati	ion P.O. No., Je	ab No., etc.	
3 Work Performed b	y FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>	····· ,		
550	1 N. SR. 2. Oak Harbor, OH 4:	3449	A	uthorization No 20	7		
	· ·		,	Expiration Date	17/10	· .	
4 Identification of Sy	stems Pressurizer DB-2	r002	(Subs	ys 064-04)			
5. (a) Applicable Co	Instruction Code ASME III CL 1	1968 Edition	68 Add	Jenda Coc	ie Case I	₹o	
(b) Applicable Ec	lition of Section XI Utilized for Repairs	-	19 <u>95</u> I				416-3
(c) Design Resp	onsibilities _ <u>FirstEnergy Corp.</u> , W	elding Services I	nc.(WSI), Stru	uctural Integrity Asso	ociates I	nc	•
	6. Identification of Comp	onents Repaired	or Replaced a	nd Replacement Cor	nponent	s	· -
Name of Componen	t Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Pressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
						·	
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		<u></u>	ļ			L	
			<u> </u>			· · · ·	
		7. Descript	ion of Work				
The existing 3" pres	ssurizer safety relief nozzle (RC1)			WSI			
	as performed by WSI per PO# 10						
	by WSI is documented on "NR-2						
				· · · · · · · · · · · · · · · · · · ·			·
FirstEnergy Corp. (	DB) performed a VT-2 initial inse	ervice leakage tes	t. Test was sa	tisfactory.			
	·····				<u>.</u>		WE.
							<u></u>
······				· · · ·			
8 Tests Conducter	-	Pneumatic No	Nom	inal Operating Pressure		Other No	
Deserves Della	Pressure <u>NOP</u>	psi		Test Temperature	101	°F	
Pressure Relie							
Se	ervice <u>N/A</u>		Si	ze <u>N/A</u>		<u> </u>	· ·
	pening Pressure <u>N/A</u>		BI	owdown (if applicable)	N/A		_ · ·
Se	et Pressure and Blowdown Adjustment	ts Made Using	N/A	(Test Mad	ium)		
at	N/A						
			(Location)				_
NOTE: Supplement this report is included	al sheets in the form of lists, sketches on each sheet, and (30 each sheet is i	, or drawings may b humbered and the r	e used, provide jumber of sheet	d (1) size is 8 ½ X 11 in ts is recorded at the ton	n. (2) Info	mation in items 1 thm.	rrough 6 on
						···	

DB-0070-5	
FORM NIS-2/NR-1/ <del>NVR</del>	
9. REMARKS	Applicable Manufacturors Data Reports to be Atlached
Welding Services Inc.	
	911
	· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIAN	ICE .
I, <u>Richard R. Cockrell</u> , certify that the statements made in this replacement of the items described above conforms to Section XI of the ASI Code "NR" rules.	s report are correct and the repair, modification, or ME Code and to the National Board Inspection
National Board Certificate of Authorization No. 20 to use the "NR" stars	Dexpires07/17/10
Date 02-04-08 FENOC Signed	(authorized representative) Q.C.
CERTIFICATE OF INSERVICE INSE	
By signing this certificate, neither the undersigned nor my employer makes a work described in this report. Furthermore, neither the undersigned nor my personal injury, property damage or loss of any kind arising from of connected	employer shall be liable in any manner for any
Date 2600 Signed Thomas & Port	Commissions <u>NB 9330 NTA</u> OHIO (Malional Bokre (incl and memority, and jurisdictions, and re.))
CERTIFICATE OF COMPLIAN	CE
I, <u>N/A</u> , certify that to the best of my knowledg correct and the repair, modification, or replacement of the pressure relief dev the ASME Code and to the National Board Inspection Code "VR" and "NR" r	
National Board Certificate of Authorization No. 316 to use the "VR" sta	
National Board Certificate of Authorization No. 20 to use the "NR" sta	mp expires 07/17/10
Date FENOC Signed	0.C. <sup>347</sup>
(name of repair organization)	(suthorized representative)
CERTIFICATE OF INSERVICE INSF	PECTION
I, N/A holding a valid commission issued by the Inspectors and certificate of competency issued by the jurisdiction of O <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or and state that to the best of my knowledge and belief, completed in accordance with Section XI of the ASME Code and the National By signing this certificate, neither the undersigned nor my employer makes a repair, modification or replacement described in this report. Furthermore, ne liable in any manner for any personal injury, property damage or loss of any	replacement described in this report on this repair, modification or replacement has been al Board Inspection Code "VR" and "NR" rules. any warranty, expressed or implied, concerning the bither the undersigned nor my employer shall beirs
Date Signed	Commissions
(inspecior)	(National Board (Incl undersemants), and jurtsdictions, and no ))

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		FORM NR-1	RF	PORIO	F REPAIR		м	DIFICATI	0N	OR RE	PLACEM	ENI	Ps 2 c	
					COMPO	NENTS AND	SYSIE							2-6-
Work performed by					We	ding Service	is inc. Romidour te					103571	"NR-25" 	
					22	25 Skyland C	Court, No	rcross, GA	30071					
Owner								nergy Car	p.					
_				·		76 S	(azac) Mazin, Al	kron, OH						
Name, address, Ide	utification	of miclear now	w niant				(eidens) De		5501 N	State Rte. 2	Oak Ha	rbar. Ohia	43449	
· ·														
System	ired Repa	r, Modification	1, or Repla	icement Ac	tivities	Reactor C	Cooling	System "I	RCS"				· _ · · · · · · · · · · · · · · · · · ·	
			Ideat	tification						Constructi	n Code		Activity	
io Type of	item	Mfg. Name	Mfg Serial		Nari Bd No.	Jurisd No.	Other	Year Built	Name Section	V Edition/	Code Case(s)	Code Class	Repairl Mod/ Replace	
RCS		6&W	620-00	14-59	N-157	N/A	N/A	1972	ASME	1968	N/A	1	Repair	
SRV-3									Div.	1968	+			-
. Items Installed Du	ring Repla	cement Activit	sies .											
				Identificati	ion							Constructio	a Code	
Type of Item		rt or replaced ftem No	Mfg. Name	Mf Serial		arl Bd No	Jurisd No.	Other	Year Built	Name/ Section/	Edition/ Addends	Code . Case(s)	Code Class	
Weld Overlay		line 11 &	WSI	N/.		N/A	N/A	N/A	2007	Division ASME XI	95 / 96	N-740	1	
	12.0	this form"				····	<u> </u>							
ASME Code Section	n XI appl	cable for in-ser	vices insp	ection:			995			996			N/A	
ASME Code Section						(ed	linco)	995	. (ed	1996		N7	(Code Code(3)) 740, See line 11	
· · · · · · · · · ·							(	stition)		(sideada)			(Code Caud(a))	·
Construction Code		ebaile' moanne	ation, or re	splacoment	55.			dizion)	·	(oddeade)			N/A (Code Case(it))	<del>.</del>
Design responsibili	nies.		<u> </u>				FENO	C First End	argy Nucl	ear Operatir	g Co			
0 Tests conducted:		hydrost		Qneun	natic 🗌	design pr	622.016	<b>1</b> pr	essure	ps	A. 1. C	(a)	N/A	
1 Description of wo	di.	Safe					arted wit	by owner	t. ess Ster	al Butter lay	er prior l	o a Struc	tural Weld Overlay an	.d
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DB-0070-5 FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV As Required I	VNER'S REP(			PLACE	EMENTS	. 3
1 Owner FirstEne	rgy Corp.		Date	February 6, 2008		· · · · · · · · · · · · · · · · · · ·	
76 South	Main St., Akron, OH 44308			Sheet 1 of 2			
2. Plant Davis-Be	sse Nuclear Power Station		Unit	ı 	#1		
5501 N. S	SR. 2, Oak Harbor, OH 4344	9		Order# 200249952 Repair Organizati	ion P.O. No., Jo	b No., stc.	<del></del>
3. Work Performed by _	FirstEnergy Nuclear Operat	ting Co.	Туре	Code Stamp <u>NR</u>			<u> </u>
<u>5501 N</u>	. SR. 2. Oak Harbor, OH 43	449	A	uthorization No 20		•	
•				Expiration Date	/17/10		 
4. Identification of System	ns Pressurizer DB-I	1002	(Subs	ys 064-04)	<u></u>		
	ruction Code ASME III CL.1	•	68 Add		de Case N		•
	of Section XI Utilized for Repairs	1. Sec. 1.					416-3
(c) Design Responsi	bilities <u>FirstEnergy Corp.</u> , W	elding Services L	nc.(WSI), Stru	uctural Integrity Ass	ociates I	<u>nc:</u>	· ·
·	6. Identification of Compo	r · · · · · · · · · · · · · · · · · · ·	T	I	mponent	s	· · · ·
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Pressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
					<u> </u>		·····
						•	
					·		<u></u>
······	· · · · · · · · · · · · · · · · · · ·	7. Descript	tion of Work	· · · · · · · · · · · · · · · · · · ·		<u>,</u>	
	arizer hot leg nozzle to surge li						
and the second se	performed by WSI per PO# 10. WSI is documented on "NR-2			1-1R-005			
FirstEnergy Corp. (DB	) performed a VT-2 initial inse	rvice leakage tes	it. Test was sa	tisfactory.			
· · · · · · · · · · · · · · · · · · ·							
							্য:60
8 Tests Conducted:	Hydrostatic No Pressure <u>NOP</u>	Pneumatic No	Nom	inal Operating Pressur Test Temperature	e Yes NOI	Other No	
Pressure Relief V			•• •	· · · ·		۰.	·
_	ce <u>N/A</u>			ize <u>N/A</u>			
Servi			ים	lowdown (if applicable)	N/A		
Open	ing Pressure <u>N/A</u> ressure and Blowdown Adjustmen	ts Made Using	N/A	ionoomi (ii appiloabio)	_1\\A_		
Open	ressure and Blowdown Adjustmen	ts Made Using		([est Me		· · ·	`

DB-0070-5 FORM NIS-2/NR-1/NVR-1 9. REMARKS Welding Services Inc. CERTIFICATE OF COMPLIANCE Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. National Board Certificate of Authorization No. 20 to use the "NR" stapp expires 07/17/10 Date FENOC Signed 02-06-08 CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boiler and Pressure Vessel Thomas G. Laps Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by have inspected the work described in this report on Feb. 6, 1500 and state that to ---HSB CI of Hartford, CT the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section-XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Signed Thom Date Commissions NR CERTIFICATE OF COMPLIANCE N/A , certify that to the best of my knowledge and belief the statements made in this report are ١. correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. \_316 \_\_\_\_ to use the "VR" stamp expires 12/13/10 4 National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 261 FENOC Date Signed CERTIFICATE OF INSERVICE INSPECTION N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel ł. Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by Hartford, CT have inspected the repair, modification or replacement described in this report on HSB CT of and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be:re liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date Signed Commissions

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1 War	rk performed by		·····				ding Service		13 IN HOC	LEAK FU	WEAK LEA		103571	"NR-22"		· · · - 1427
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						22	25 Skyland (	Ourt, No (address		30071				,		
2 Own	ner								nergy Corp	).						
							76 S	(anna) Main, A	kron, OH							,
								(351-22	4)						<u> </u>	
3 Nam	ne address Idea	utification of	nuclear po	ower plant.			·	Da	vis-Besse,	5501 N.	State Rte.	Z, Oak Ha	roor, Ohlo	43449		
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8 Con	estruction Code	used for rep	airs modif	leation, or	rentaceme					<b>C</b>	umer 1971		e 16 1	N/A		
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10 Te 11 De Hot-1 Davi RR-4 12. R	est conducted: escription of wo Leg to SUTG is Besse S-A A30 and for Remarks used for Wald Field Weld Nur Remarks i, Correct the Nato NR Cer Date I, Tappet Inspect best of Section By sign the wo	Art Piping S P work of arriend C Overlay 01- mber: Ret-f and Board Co tificate Ho 14 Ors and Cor 14 Ors and and Cor 14 Ors and	hydrast Bructures Ger nur ode cas de-T-se4 de-T-se4 Hapsir, model lansecti- rtificate or S. G S. G S. G S. G. A. S. G. S.	atic* / mber 200 mber 200 Bettom R Bettom R : Davis Be ettz : Davis Be diffection of Author 	pressur pressur 224996: //1: Weld v //1:	was peer re Test was peer 2. This wire used wire used wire used wire used wire used a back g a valid of g a valid of g a valid of g a valid of g a valid of g a valid of g a v	to be perfi- (use of pic rformed in a implements ERNICIFE-7A aber RC-MK- CERTIFIC/ best of my k wittes describ NR- CERTIFIC commission is jurisdiction of thed in this re- inspection Cc	Corrections of the second	First Ener First Ener First Ener pr by owner by owner for with V time NRC 	ANCE Services ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE ANCE AN	ar Operat or sketch(ee eler 1035 d respain f k k k k k k k k k k k k k k k k k k k	pri Code ) is acceptab 71-TR-00 Jaan in acc Jaan in acc Jaan in acc in this report NE Code Nov. 6 C Inspecto (198) and state chance with d, concerning	e) 5 Rev./ 0 cordance v 5 Rev./ 0 cordance v 4 5 Rev./ 0 cordance v 1 5 Rev./ 0 1 5 Rev./ 0 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A which incorporate		

	I NIS-2/NR-1/ <del>NVR-1</del> OW As Required b	NER'S REPO		EPAIRS OR RE	PLACE	MENTS	
Owner FirstEnerg			of the ASME	Code Section XI			
Ound	gy Corp.		Date	February 6, 2008		· · ·	
76 South N	Aain St., Akron, OH 44308			Sheet 1 of 2	۰.		 1.12
	Address Se Nuclear Power Station		Unit		#1 ·		: '2
	Name .			Order# 200249953.			
	R. 2, Oak Harbor, OH 4344	•		Repair Organizab	an P.O. No., Jo	b No., etc.	
Work Performed by	FirstEnergy Nuclear Operat	ing Co.	Туре	Code Stamp <u>NR</u>			
_5501 N.	SR. 2, Oak Harbor, OH 434	449	Αι	ithorization No. 20		<del></del>	
				Expiration Date _07/	17/10		
Identification of Systems	Pressurizer DB-T	002	(Subs	ys 064-04)			
(a) Applicable Constru	ction Code ASME III CL.1	1968 Edition	68 Add	enda Coo	le Case N	ło	
(b) Applicable Edition of	of Section XI Utilized for Repairs of	or Replacements	19 <u>95</u> E	dition	ddenda	Code Case N-	416-3
(c) Design Responsibil	lities	lding Services Ir		· .			·· 4.
							دیا ہے۔ مرید اس
·	6. Identification of Compo						
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
ressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
					·		
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· _ · · ·					
		7. Descript	ion of Work	·		l	!
he existing 12" decay h	eat nozzle to hot leg nozzle w	eld was weld ov	erlayed by W	SI			· · · · · · · · · · · · · · · · · · ·
	rformed by WSI per PO# 103			I-TR-006		·	
II WOLK COMPLETED BY V	WSI is documented on "NR-3:	2 кероп от кера	urs.			·	,
irstEnergy Corp. (DB)	performed a-V-T-2 initial inser	vice leakage tes	t. Test was sat	tisfactory.			<u></u>
						····	tc
				······		····	
Managara	·		,	;		<del></del>	
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	Inal Operating Pressure		Other No	i
Pressure Relief Val	Pressure <u>NOP</u>	osi	·	Test Temperature	<u>NOI</u>	•F	
Service	N/A		S	ze N/A			
		· · ·	<b></b>	owdown (if applicable)			—
opening	· · · · · · · · · · · · · · · · · · ·	Made Lleinn	1		<u>N/A</u>		·
•	seilro and Kinwdown adilietmoot	ringge galle P	N/A		·		
•	ssure and Blowdown Adjustments	<u> </u>		{Test Hec	nam)		
•			(Location)	{!esi Mec	num)	<u>.</u>	-

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

DB-0070-5	
FORM NIS-2/NR-1/ <del>NVR-1</del>	
Applicable Manufacturers Data Reports to be Attached 9. REMARKS	
Welding Services Inc.	
7	735
	<u>يدني</u>
CERTIFICATE OF COMPLIANCE	
I. Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No.       20       to use the "NR" starp expires       07/17/10         Date       02-06-08       FENOC       Signed       Jesticate of Code (MR)       Q.C.	or
CERTIFICATE OF INSERVICE INSPECTION	
1, <u>Thomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>FES.7, 2008</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.	5n-
work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date	) قد
CERTIFICATE OF COMPLIANCE	
I,       N/A       , certify that to the best of my knowledge and belief the statements made in this report a correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10	
Date FENOC Signed Q.C.	14- -
	•
CERTIFICATE OF INSERVICE INSPECTION	
I,       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.         By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection	en the
Date Signed Commissions	

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	I	FORM NR-1		ORT OF RE		X ENTS AND S		ODIFICATI			EPLACEN	1 M I		مىسىي بىرى 10 مەرمىر	·.
Work performed by					-	ing Service						103571		NR-32"	<b>2</b> 20
						(sease of NR	cwiffonts he						00_ job 10.,		-
					2225	5 Skyland Co	(eddrow)	cross, GA	30071						-
Owner							First Er	nergy Corp	· ·						_
						76 S N	lain, Ak	ron, OH							
Name, address, Identi	itianian of .		plant				(#144444)		5601 M	State Die	2 Ook H	wher Ohir	43440		-
1921001, 40101055, 10000	incación or i	niscieur power	piani.					avis-Bessa	0001.N	. State Rie	. 2, Oak n	ander, Onic	43449		-
System						Reactor C	ooling S	iystem "R	cs"						_
a. Items Which Require	ed Repair, M	Indification, o	r Replacen Identifi							Control	tion Code	<u> </u>		Activity	٦
		Mfg.	Mig	Nat	DA			<u> </u>	Name			<b></b>			-
No Type of	liens	Name	Serial ?			Jurisd No	Other	Year Built	Section Divisio	W Adder		Code Class	Re	pair/ Mod/ Replace	
1 RCS		B&W	N//	N	IA -	N/A	N/A	1973	ASME	11 197		1		Repair	1.
Decay He DH-33A-CCA-									Div.	1 197	<u>'</u>				-
h Names Installed David	n						·····	·				·			-
b. Items Installed Duri			ld	entification								Construction	n Code		
Type of Item		or replaced em No	Mfg. Name	Mfg.	N	atl Bd No.	Jurist	Other	Year Built	Name/ Section/	Edition/	Code		Code Class	7
Weld Overlay		ine 11 &	WSI	Serial No.	+	N/A	No.	N/A	2007	Division ASME XI	Addenda 95/96	Case(s)	ļ		-
The other		his form			1		NUA	NUM	2,411	-NOMIE A	00130	14-140			
			$\vdash$										<u> </u>		-
ASME Code Section	XI applicat	ale for in-servi	ces inspecti	ion:			995	·		998			N/A		
ASME Code Section	Xiused fou	TEDATS modi	fications o	TED REPART		(•4	ision)	1995	(9	55000) 1996	•	N	(Cede Cau 740, Set		
							(*	adition)		(addenda)			(Code Cat	F0(1))	
Construction Code u	sed for repa	ns, reodificatio	on, or repla	cements:				E III, 1971 Minice)	Su	(addonda)			N/A (Code Car		
Design responsibilitie	es							C First Ene	rgy Nuc		ling Co.			·····	
0 Tests conducted:		hydrost	usic 🗖	pneumatic	Г	design pr	auto:	<b></b>	33010		psi Code (	ase(s)		N/A	
tissimilar weld m supporting travele with WSI Travele accepted repair p	er numbe er 103571	er 103571- I-TR-008 la	TR-021 atest Re	Rev. /0&1 v. which in	and N corpo	ICR # 08-1 rates Davis	48. The Besse	Decay H SAP worl	at Stru order	ctural We number 20	ld Overla	was per	formed		
															_
				_		_			·				»		_
12. Remarks					· <u> </u>			- <u></u>							_
WPS used for Wel	d Overlay	01-08-T-8	04-Botto	m Rev. /1; V	Veld v	wite used ER	NiCrFe	-7A SFA 5	14 .035						· '
WSI Field Weld N								· · · · · · · · · · · · · · · · · · ·							
WSI WPS used for	discontin	uty repair:	08-43-S-	001 R/1 SM	A₩ w	eld wire EN	CrFe-7	SFA 5.11.	/32 "Sei	supportin	g NCR 08-	41 and 0	8-148 fo	or info."	_
······															
· · · · · · · · · · · · · · · · · · ·	···		<u> </u>		- <u>r</u>	ERTIFICA	TEOF	COMPTI	NCF	· · · · · · · · · · · · · · · · · · ·					
L Correct		ames E. He pair, modific				best of my k es described a						rt are			
the Nati	ional Boar	d Inspection	Code "NF	" rules.											
	il Board Co tificate Ho	ertificate of / lder	Authorizat	DON NO	-	NR-		to use th Ing Service		mp expires	NOV. 6	2010	-		
					X	7		(8820)					-		
Date		1/22/2008	- Signed		Alt.	rized Perferentiative	<del>,</del>			UNUC	(NAN)		-		
						ERTIFIC									-
	HOMA S	tificate of or		, holding a	valid c	ommission is		The Nationa	Board	of Boiler and	i Pressure V and emplo				
	SR.	<u> </u>						0 <u>H</u>	RIFD	RD. CI	and emplo	have			
		ir, modificat				i in this report or replacement			611-	308	and state t	hat to the			
Section	1 XI of the	ASME Code	and the N	ational Boat	d Insp	ection Code	'NR' rul	es							
By sign	uing this ce	atificate, nei	ther the up	ndersigned a	ar my	employer mal	kes any w	varranty exp							
						undersigned a arising from a					uter for				
Date	. 6		Signed		ma	a the	Raft		mmissio		433	<u> </u>	ĽÅ	OHID COMM	
<u> </u>		•				()expected)	<u> </u>		(Nation	ns Beard (10cl and	ernements), jar(s	accine, and so )	~~~~~		

Owner FirstEne	rgy Corp.		. Date	February 4, 200	8		
76 South	Main St., Akron, OH 44308	· · ·		Sheet 1 of 3			
Plant Davis-Be	sse Nuclear Power Station	<u> </u>	Unit	·	#1		
5501 N. S	SR. 2, Oak Harbor, OH 4344	9	-	Order# 200249954	1 ation P.O. No., Je	o No., etc.	
Work Performed by	FirstEnergy Nuclear Operat	ting Co.	Турә	Code Stamp <u>NR</u>			
_5501 N	. SR. 2, Oak Harbor, OH 43	449	A	uthorization No	0		
				Expiration Date _0	7/17/10		
Identification of System	ns Pressurizer Sencing Line	DB-RCI	4A	(Subsys 064-04)		· .	· ·
(a) Applicable Constr	ruction Code ASME III CL.1	1968 Edition	68 Ado	lenda Co	ode Case N	lo	
(b) Applicable Edition	of Section XI Utilized for Repairs of	or Replacements	19 95 r	- ≓dition 96	Addenda	Code Case N-	416-3
	bilitiesFirstEnergy Corp, Wel			_			
(-,					Noriales II.		
	6. Identification of Compo	nents Repaired	or Replaced a	nd Replacement Co	omponent	s T	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASM Code Stamp
essurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
·	· · · · · · · · · · · · · · · · · · ·						
					+	·····	
·	ng nozzle RC14A was replace	<u>.</u>	· · · · · · · · · · · · · · · · · · ·		•		·
	erformed by WSI per PO# 103						
	WSI is documented on "NR-2.				,		
					<u> </u>		
rstenergy Corp (DB)	performed a VT-2 initial inser	vice leakage test	t. Test was sat	isfactory.			
	· · · · · · · · · · · · · · · · · · ·		·····	····			51 11
				1			;
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressu	ire Yes	Other No	·
	Pressure <u>NOP</u>	psi		Test Temperature	NOT	°F _	·
			:				
Pressure Relief V				29 <u>N/A</u>	··		
Servic			BI	owdown (if applicable	) <u>N/A</u>		
Servic Openi	ng Pressure <u>N/A</u>	<del>_</del>			-		
Servic Openi	ng Pressure <u>N/A</u> essure and Biowdown Adjustments	s Made Using 1	N/A	(Test h	fedium)		

· · ·			Applicable Manutacturers Data Reports to be Attached
Welding Service Inc NR-23 & 3		9. REMARKS	
Veiding Service inc IVI 125 & C	o report or repairs.		
		FICATE OF COMPLIANCE	
Richard R. Cockrell eplacement of the items descr code "NR" rules.	, certify that the st ibed above conforms to	tatements made in this report are of Section XI of the ASME Code and	correct and the repair, modification, o d to the National Board Inspection
lational Board Certificate of A	uthorization No. 20	to use the "NR" stampexpires	07/17/10
Date <u>02-04-09</u>	FENOC (name of repair organization	an) Signed Signed	corquel Q.C.
	CERTIFICAT	TE OF INSERVICE INSPECTION	
Thomas G. Laps			Board of Boiler and Pressure Vessel
nspectors and certificate of co ISB CT of Hartford, CT	mpetency issued by the have inspected the belief, this repair, modif	<ul> <li>jurisdiction of <u>OHIO</u> an work described in this report on fication or replacement has been c</li> </ul>	d employed by <u>Feg. 1, 2008</u> and state that to ompleted in accordance with Section
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## 15 RFO Inservice Inspection Summary

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

DB-0070-5	· · · · · · · · · · · · · · · · · · ·		·· · · · · · · · · · · · · · · · · ·				
FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV	VNER'S REP( by the Provisions			PLACE	EMENTS	
		by the Flovisions					
1 Owner FirstEne	rgy Corp	· · · · · · · · · · · · · · · · · · ·	Date	February 4, 2008			<u> </u>
_76 South	Main St., Akron, OH 44308	L		Sheet 1 of 3			·
2 Plant Davis-Be	sse Nuclear Power Station	· · · · · · · · · · · · · · · · · · ·	Unit		#1	. <u> </u>	
5501 N. S	SR. 2, Oak Harbor, OH 4344	19		Order# 200249955 Repair Organizati	on P.O. No., Jo	b No., etc.	<u> </u>
3 Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
<u>5501 N</u>	. SR. 2. Oak Harbor, OH 43	449	Au	uthorization No _20	, 	<u> </u>	- 30
				Expiration Date _07/	<u>17/10</u>		
4. Identification of System	ns Pressurizer Sencing Lin	DB-RCI	4B	(Subsys 064-04)		· · · · ·	
5. (a) Applicable Constr	ruction Code ASME III CL.1	1968 Edition	68 Add	lenda Coc	ie Case N	ło	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 . 95 .	Edition <u>96</u> A	ddoodo	Code Capp Net	416-3
	•					•	10-5
(c) Design Responsi	bilities FirstEnergy Corp, We	Iding Services In	c.(WSI), Stru	ctural Integrity Asso	ciates In	<u></u>	
	6. Identification of Compo	onents Repaired o	or Replaced a	nd Replacement Cor	nponent	S	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code, Stamped
Pressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
							· 17.52
				·			:.
				·-····			
<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · ·	•				
		7. Descript	ion of Work		<u></u>	· · ·	
	ing nozzle RC14B was replace						
	erformed by WSI per PO# 103						
All work completed by	WSI is documented on "NR-2	3" and "NR-30"	Report of Rep	pairs.			·
Firstenergy Corp (DB)	performed a VT-2 initial inse	vice leakage test	. Test was sat	isfactory.			
							شەر.
	·						8.1 <u>2</u> 
							alp.5 .
8 Tests Conducted: Pressure Relief Vi	Hydrostatic No Pressure <u>NOP</u>	Pneumatic No		Inal Operating Pressure Test Temperature		Other No °F	17 S. 19 S.
Servic			St	70 NI/A			•••••
				·····		· · · · · · · · · · · · · · · · · · ·	<del></del>
	ng Pressure <u>N/A</u>			owdown (If applicable)	N/A		<u> </u>
Set Pr	essure and Blowdown Adjustment	s Made Using	N/A	(Test Mec	lium)		
at ]	۱/A						
			(Location)				<u> </u>
	neets in the form of lists, sketches, ach sheet, and (30 each sheet is n						rough 6 on
	······································						

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DB-0070-5	
FORM	NIS-2/NR-1/ <del>NVR-1</del>
9. 5	Applicable Manufecturers Data Reports to be Atlached REMARKS
Welding Service Inc NR-23 & 30 report of repairs.	
· · · · · · · · · · · · · · · · · · ·	
CERTIFIC	CATE OF COMPLIANCE
	tements made in this report are correct and the repair, modification, of Section XI of the ASME Code and to the National Board Inspection
National Board Certificate of Authorization No. 20 to Date <u> </u>	Signed Charles 07/17/10 (autorized representative)
CERTIFICATE	OF INSERVICE INSPECTION
nspectors and certificate of competency issued by the ju ISB CI ofHartford, CT have inspected the wo	ork described in this report on FEB. 7, 1008 and state that to ation or replacement has been completed in accordance with Section
	y employer makes any warranty, expressed or implied, concerning the indersigned nor my employer shall be liable in any manner for any ing from of connected with this inspection.
CEDTIEN	
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	pest of my knowledge and belief the statements made in this report ar e pressure relief devices described above conforms to Section XI of ode "VR" and "NR" rules.
National Board Certificate of Authorization No. 316	to use the "VR" stamp expires 12/13/10
lational Board Certificate of Authorization No. 20	to use the "NR" stamp expires 07/17/10
Date	
CERTIFICATE	OF INSERVICE INSPECTION
nspectors and certificate of competency issued by the ju <u>ISB CI</u> of <u>Hartford, CI</u> have inspected the reparent of the set of my known in the set of my known is that to the best of my known is the set of m	air, modification or replacement described in this report on owledge and belief, this repair, modification or replacement has been
By signing this certificate, neither the undersigned nor m	ode and the National Board Inspection Code "VR" and "NR" rules y employer makes any warranty, expressed or implied, concerning th ort. Furthermore, neither the undersigned nor my employer shall be
	mage or loss of any kind arising from or connected with this inspection
	mage or loss of any kind arising from or connected with this inspection Commissions

#### Page 198 of 238

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#### 15 RFO Inservice Inspection Summary

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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## 15 RFO Inservice Inspection Summary

DB-0070-5	
FORM NIS-2/NR-1/ <del>NVR-1</del> OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI	
1. Owner FirstEnergy Corp. Date February 4, 2008	
76 South Main St., Akron, OH 44308 Sheet 1 of 3	
Address	
2. Plant Davis-Besse Nuclear Power Station Unit #1	* .
<u>5501 N. SR. 2, Oak Harbor, OH 43449</u> Address Order# 200249956 Repair Organization P.O. Na., doi: No., etc.	· - i
3 Work Performed by <u>FirstEnergy Nuclear Operating Co.</u> Type Code Stamp <u>NR</u>	
5501 N, SR, 2. Oak Harbor, OH 43449 Authorization No 20	
Expiration Date. 07/17/10	
4. Identification of Systems Pressurizer Sencing Line DB-RC14C (Subsys 064-04)	
5. (a) Applicable Construction Code <u>ASME III CL.1</u> 1968 Edition 68 Addenda Code Case No	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition 96 Addenda Code Case N-41	5-3
(c) Design Responsibilities <u>FirstEnergy Corp</u> , Welding Services Inc. (WSI), Structural Integrity Associates Inc.	
6. Identification of Components Repaired or Replaced and Replacement Components	
Name of Component         Name of Manufacturer         Manufacturer's Serial No.         National Board No         Other Identification/ Jurisdictional No         Year Built         Repaired Replaced or Replacement	ASME Code Stamped
Pressurizer         Babcock & Wilcox         620-0014-59         N-157         DB-T002         1972         Repaired         N	'es
	· ·
7. Description of Work	
The existing level sensing nozzle RC14C was replaced with a new nozzle and a weld overlay added.	
All phyical work was performed by WSI per PO# 103571 and WSI traveler # 103571-TR-016-6.	
All work completed by WSI is documented on "NR-23" and "NR-30" Report of Repairs.	
Firstenergy Corp (DB) performed a VT-2 initial inservice leakage test. Test was satisfactory.	
	evit:
	inded Stiped
8 Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure Yes Other No	
Pressure <u>NOP</u> psi Test Temperature <u>NOI</u> •F	
Pressure Relief Valves:	
Service <u>N/A</u> Size <u>N/A</u>	
Opening Pressure <u>N/A</u> Blowdown (if applicable) <u>N/A</u>	
Set Pressure and Blowdown Adjustments Made Using <u>N/A</u> (Test Medium)	
at N/A(Location)	

t.

DB-0070-5 FORM NIS-2/NR-1/NVR-1 9. REMARKS Welding Service Inc NR-23 & 30 report of repairs CERTIFICATE OF COMPLIANCE , certify that the statements made in this report are correct and the repair, modification, or Richard R. Cockrell replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. National Board Certificate of Authorization No. 20 to use the "NR" stamp-expires 07/17/10 Date 02-04-08 FENOC Signed O.C **CERTIFICATE OF INSERVICE INSPECTION** Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by of Hartford, CT have inspected the work described in this report on HSB CI FEB. 7, 2008 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. OHOON Iner Signed Date Commissions SUL CERTIFICATE OF COMPLIANCE N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Signed Date 0.C CERTIFICATE OF INSERVICE INSPECTION the N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by have inspected the repair, modification or replacement described in this report on Hartford, CT HSB CT of and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall being liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Signed Date Commissions

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## 15 RFO Inservice Inspection Summary

Nor's performed by			We	ONENTS AND					***	103571	"NR-23"		
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Temperbead		WSI	Serial No.	N/A	No.	- N/A		Division ASME XI	Addenda 95796	Case(s)			
Pad	see line 11	3	N										
3/4" Nozzle	12 of this for		SN-1,2,4,5,6,7	- N/A	N/A	N/A	2007	ASME XI	95796	N-638-1			
ASME Code Section	n XI applicable fo			1	995		19	996			N/A	<b>_</b>	
ASME Code Sectio	a XI used for rem	in, modification	s, or replacements		ditica)	1995	•	د الليبية 1996		N-6	(Code Come(*)) 38-1, Sea Ene 11		
				-		(erfitions)		(addenda)			(Code Case(1))		
Construction Code	used for repairs, t	odification, or r				(edition)		(addcode)			N/A (Code Cese(s))	<del></del>	
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DB-0070-5								
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1 Owner Firs	tEne	rgy Corp.		Date	February 4, 2008			
_76 S	outř	Main St., Akron, OH 44308	· ·		Sheet 1 of 3			7
2. Plant <u>Dav</u>	is-Be	esse Nuclear Power Station	•	Unit		#1	·····	
_5501	<u>N.</u>	SR. 2, Oak Harbor, OH 4344	9	_	Order# 200249957 Repair Organization	un P.O. No., Jo	b No., etc.	
3. Work Performed	by	FirstEnergy Nuclear Opera	ting Co.	- Туре (	Code Stamp <u>NR</u>			
_ 55	<u>01 P</u>	I. SR. 2, Oak Harbor, OH 43	449	Au	uthorization No 20	·	· .	
					Expiration Date _07/	17/10		<u> </u>
4 Identification of S	Syste	ns Pressurizer Sencing Line	e DB-RC1	4D	(Subsys 064-04)		•	<u> </u>
5. (a) Applicable (	Const	ruction Code <u>ASME III CL 1</u>	1968 Edition	68 Add	ienda Cod	le Case I	40	Ener S The Star
	,	n of Section XI Utilized for Repairs		19 <u>95</u> E				416-3
(c) Design Res	ponsi	bilities <u>FirstEnergy Corp</u> , We	Iding Services In	c.(WSI), Stru	ctural Integrity Asso	ciates Ir	<u>iC</u>	 
		6. Identification of Compo	nents Repaired o	or Replaced a	nd Replacement Cor	nponent	s	
Name of Compone	ent	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Pressurizer		Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
			·					
<u></u>			· · · ·					
		\	7. Descript					<u> </u>
		ing nozzle RC14D was replace	and the second sec		······	<u>.</u>		
		verformed by WSI per PO# 103 WSI is documented on "NR-2						
						•		
Firstenergy Corp (	DB)	performed a VT-2 initial inse	vice leakage test	. Test was sat	isfactory.		·	······
		······	·			<u> </u>		 IAC
·.		<u></u>	· · · · · · · · · ·	<u> </u>	<u> </u>			<u> </u>
8 Tests Conduct Pressure Rel			Pneumatic No		inal Operating Pressure Test Temperature <u>1</u> ze N/A		Other No °F	
			·			NT/ A		
		ng Pressure <u>N/A</u> ressure and Blowdown Adjustment	s Made Using	N/A	owdown (if applicable)	<u>N/A</u>		<u> </u>
		N/A	<b>-</b>		(Test Mec	itum)		
				(Location)				
		heets in the form of lists, sketches, each sheet, and (30 each sheet is n						irough 6:0n

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS Applicable Mendacturers Data Reports to be Allacheed
Welding Service Inc NR-23 & 30 report of repairs.
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stams expires 07/17/10
Date 02-04-08 FENOC Signed Lecture ( Control & Control & O.C.
CERTIFICATE OF INSERVICE INSPECTION
Inomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the work described in this report on       Feg. T, JecB       and state that to         the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section       XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection.
Date 27,08 Signed Thomas & Jean Commissions NB9330 NTA Course (National Board (Ind endorsemental), and jurisdictions and no.)
CERTIFICATE OF COMPLIANCE
i, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the repair, modification or replacement described in this report on
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be repair in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection
Date Signed Commissions
(inspector) (National Board (ind endorsements), and juitabictions and no ;)

# Page 206 of 238

## 15 RFO Inservice Inspection Summary

		·· TO NUC	LEAR COMP	DNENTS AND	SYSIEM	AS IN NUC.	LEAR PO	WER PLANT	S		<u> </u>	
Work performed by	· · · · · · · · · · · · · · · · · · ·		We	king Services						103571	"NR-23"	
			2	(sime of NR 225 Skyland C		rcross, G/	30071			(7.0.1	n, joh m, ett.)	
2. Owner					(ettine First E	) inergy Corr	».					
				76.01	(11224)							
				165	(adress	•				······		
i Name, address, Ide	ntification of nuclear po	wer plant.	-		D	avis-Besse	, 5501 N.	State Rte. 2	Oak Ha	rbor, Ohio	43449	
4. System				Reactor C	Cooling	System "	RCS"					
Sa. Items Which Requ	ared Repair, Modificati	on, or Replace Identifi		·				Constructio	Code	T	Activity	· · ·
	Míg.	Mfg			[]		Name/	Edition				
No Type of 1	Name	Serial No.		No. Jurisd No.	Other	Year Built	Section Division	Addenda	Case(s)	Code Class	Repair/ Mod/ Rep	place
1 Pressuriz	ter BåW	620-0014	59 N-157	N/A	N/A	1972	ASME Div. 1		N/A		Repair	
												<u> </u>
5b. Items Installed D	uring Replacement Acti	vities										
Type of firm	Instailed or replaced	Id MLB	entification	····		Other	Yest	Name/		Constructio	a Code	
	Sa liem No	Name	Mfg. Serial No.	Nafi Bd. No.	Juried No.		Built	Cardinal I	Edition/ Addenda	Code Case(s)	Code Class	
Temperbead Pad	"see line 11 &	WSI	N/A	N/A	N/A	N/A	2007		95796	N-638-1	1	
	12 of this form"	14/61 11 2	N101PA5		<u> </u>			ACINE	05 (08	N 650 4	i	
3/4" Nozzle 6. ASME Code Secti	ion XI applicable for in-		N-1,2,4,5,6,7	N/A 1	N/A 895	N/A		ASME XI		N-638-1	N/A	ł
7 ASME Code Sect	ion XI used for repairs,	modifications.	or replacements	(*	dition)	1995	فعرا	1996		N-6	(Code Cone())) 38-1, See line 11	•
	e used for repairs, modi	· .		• •		(edition) E III, 1968		(ettents) rumer 1968			(Code Com(1)) N/A	
		manue or set				(adition)		(addingen)			(Code Cerr(s))	
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10. Tests conducted: 11. Description of w	rock Level	Sensing N	ozzle RC14/	t to be perfo -F replaceme (use of pr	ent Inclu roperty ide	by owner	essure bo	) or sketch(es) is	Code C nge from	the inter	N/A for to the exterior	
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Owner FirstEne	rgy Corp.		Date	February 4, 2008			
76 South	Main St., Akron. OH 44308	<u> </u>		Sheet 1 of 3			
Plant Davis-Be	sse Nuclear Power Station	<del>~</del>	Unit		#1		
1	SR. 2, Oak Harbor, OH 4344	49	_	Order# 200249958 Repair Organiza	Vian P.O. May In	h blo ' an	
	FirstEnergy Nuclear Opera			Code Stamp <u>NR</u>			
_5501 N	SR. 2. Oak Harbor, OH 43	449	A	uthorization No. 20			-
	ACCINES			Expiration Date _07	/17/10		
Identification of System	ns Pressurizer Sencing Lin	e DB-RC1	4E	(Subsys 064-04)			
(a) Applicable Const	ruction Code ASME III CL.1	1968 Edition		ienda Co	de Case }	lo	
(b) Applicable Editio	of Section XI Utilized for Repairs	-	19 05 1	Edition <u>96</u>	Addoodo	Code Coop N	416-3
		·					
(c) Design Responsi	bilities <u>FirstEnergy Corp.</u> We	elding Services in	ic.(w51), Stru	ictural integrity Ass	ociates in	ic	
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Co	mponent	s .	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASM Code Stamp
essurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
						<u> </u>	<del> </del>
		7. D		L			
e existing level sens	ing nozzle RC14E was replace	7. Descript		d overlav added			
	erformed by WSI per PO# 103						
l work completed by	WSI is documented on "NR-2	23" and "NR-30"	Report of Rep	oairs.			
Internet (Corp. (DB)	performed a VT-2 initial inse	rvice leakage test	Teet was sat	Hisfactory		·····	
Tstenergy corp (DD)	performed a vi-2 milia mise.	THE TEAKage IES	. 1031 was sai	Islacioly.		······································	
· · · · · · · · · · · · · · · · · · ·						·	
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressur		Other No	
Pressure Relief V	Pressure <u>NOP</u>	psi		Test Temperature	NOT	°F	
Servic			Si	29 N/A			
	ng Pressure N/A			owdown (if applicable)	N/A		<del>-</del>
	essure and Blowdown Adjustment	s Made Using	N/A	ensem (n approable)	<u>IN/A</u>	······	
Set Pr			<u>v.</u>	(Test Me	dium)		<u> </u>
set Pr						• • •	

DB-0070-5
DB-00/0-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
Welding Service Inc NR-23 & 30 report of repairs.
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires07/17/10
Date <u>D2.DV.DB</u> <u>FENOC</u> Signed <u>Converte</u> <u>Q.C.</u>
(name or repar organization) (expression representative)
CERTIFICATE OF INSERVICE INSPECTION
Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>FEB.6, 2009</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date
CERTIFICATE OF COMPLIANCE
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed O.C.
Date FENOC Signed Q.C.
I       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CT       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been       completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be a liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Inspector) (National Boking (incl endonemental), end jartadictionsend no.))

## Page 210 of 238

# 15 RFO Inservice Inspection Summary

										~~ ~~	EPI ACEMI			15	2.f3
	FORM	INR-1		ORT OF REP. CLEAR COM		'S AND S		DIFICATIC S IN NUCL				ENT			224
1 Work performed by					Velding S	ervices ir	nc.					103571	NR-2	3"	
						viand Co		=), cross,GA	30071	•		(P.O.)	ve, jub se, at.]		
2 Owner							(edeces) First Fr	ergy Corp.							
							(mar#)		·						
						76 S M	(adders)	roa, OH	<u> </u>	<u></u>					
3. Name, address, kless	tilication of n	unclear pow	ver plant.				Da	vis-Besse,	5501 N.	State Rtc.	. 2, Oak Ha	arbor, Ohio	43449		
4 System					R	eactor Co	coling \$	iystem "F	RCS"						
5a. Itoms Which Requi	rad Repair, N	Addification		fication	s			~		Construc	tion Code			ctivity	
		Mis	Mfg.			rist. No.		Year Built	Name/ Section	Editor		Code Class	Beneir/1	Mod/ Replace	
No Type of h		Name	Serial No				Other		Divisio	a				Repair	
1 Pressurize	8 J 1	BAW	620-0014	-59 N-15	<u> </u>	N/A	N/A	1972	ASME Div. 1				·		
		1				1						<u> </u>	L		J
5b. hems banded Du	ning Reptace	ment Activ		Identification		`						Construct	ion Code		
Type of hem	Installed or		Milg.	Mb	1		Jonisal	Other	Yest	Name/ Section/	Edition/	Code	1	nda Clas	
-	5a lice	n No	Name	Scriel No.	Narie	N/A	No.	N/A	Booth 2007	Division	Addenda 95796	Case(s) N-638-1	I	1	
Temperbead Pad	"see lin		WSI	n#A	1-	NVA.	N/A	~~~~~	2.007						
3/4" Nozzłe	12 of thi	s form"	WSI	SN-1,2,4,5,0	8,7	N/A	N/A	NA		ASME XI	95/96	N-638-1		1	
6. ASME Code Section	on XI applica	ble for bri	pervices insp	ection:		19	95			(996 44			N/A (Cede Cere(c))	<u> </u>	
7. ASME Code Secti	ion XI used fi	ar repairs, s	modification	s, or replaceme	nts,			1995 witige		1996 (edited)		<u>N</u> +	638-1, See in (Onde Case(a))	ne 11	
8. Construction Code	e used for rep	airs, modil	floation, or s	epiaceinente:				E III, 1968		mmer 1968			N/A		<u></u> *
								(edition)		(uitimás)	- finn Ca		(Code Cest(1))		
9 Perim montraibil	litics						FENO	First End	erov Nuci	IRAF UDBLE					
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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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#### Page 211 of 238

FOR	M NIS-2/NR-1/ <del>NVR-1</del> OV As Required			REPAIRS OR RE Code Section XI	PLACE	EMENTS	
1. Owner FirstEne	rgy Corp.	·	Date	February 4, 2008	,		5
76 South	Main St., Akron, OH 44308	3		Sheet 1 of 3			
2 Plant Davis-Be	esse Nuclear Power Station		Unit	. <u> </u>	#1		
5501 N.	SR. 2, Oak Harbor, OH 4344	19	-	Order# 200249959 Repair Organizat	ion P.O. No., Jo	b No., etc.	_
Work Performed by	FirstEnergy Nuclear Opera	ting Co	Туре	Code Stamp <u>NR</u>			
<u>5501 N</u>	. SR. 2, Oak Harbor, OH 43	3449	A	uthorization No 20			
	• .	•		Expiration Date 07	/17/10	н 	
Identification of Syster	ns Pressurizer Sencing Lin	e DB-RC	l4F	(Subsys 064-04)			_
	ruction Code <u>ASME III CL.1</u> n of Section XI Utilized for Repairs			denda Coo Edition <u>96</u>	ie Case N Addenda		416-3
(c) Design Responsi	bilities FirstEnergy Corp, We	lding Services Ir	nc.(WSI), Stru	ctural Integrity Asso	ciates In	IC	
······	6. Identification of Compo	onents Repaired	or Replaced a	ind Replacement Co	mponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No.,	Year Built	Repaired Replaced or Replacement	ASM Code Stamp
ressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-1002	1972	Repaired	Yes
		· · · · · · · · · · · · · · · · · · ·			<u> </u>		<u> </u>
		· · ·				. 	
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The second s	· · · · · · · · · · · · · · · · · · ·						1
		7. Descrip	tion of Work				
	ing nozzle RC14F was replace						<del></del>
	erformed by WSI per PO# 103					·····	
II work completed by	WSI is documented on "NR-2	3 and NR-30	Report of Re	pairs.			<u>-</u>
irstenergy Corp (DB)	performed a VT-2 initial inse	rvice leakage tes	t. Test was sa	tisfactory.			-1-
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				(		. 63. 1
· · · · · · · · · · · · · · · · · · ·				<u></u> .			ين. بې
· <u></u>	······	·-···					np
Tests Conducted:	Hydrostatic No Pressure <u>NOP</u>	Pneumatic No psi		inal Operating Pressur Test Temperature		· Other No °F	
Pressure Relief V			-		• •		
Servic				ize <u>N/A</u>			—
	ng Pressure <u>N/A</u>	s Made Using	B: N/A	lowdown (if applicable)		<u>.</u>	<u> </u>
-	essure and Blowdown Adjustment						
-			(Location)	(Test Ma	dium)		

DB-0070-5	
· · · · · · · · · · · · · · · · · · ·	FORM NIS-2/NR-1/ <del>NVR-1</del>
	Applicable Manufecturers Data Reports to De Allached
Welding Service Inc NR-23 & 30 report of repairs.	· · · · · · · · · · · · · · · · · · ·
C	ERTIFICATE OF COMPLIANCE
replacement of the items described above conforr Code "NR" rules.	the statements made in this report are correct and the repair, modification, or ms to Section XI of the ASME Code and to the National Board Inspection
National Board Certificate of Authorization No.	
Date <u>02-04-08</u> FENC (name of repair of	
CEDTI	
	id commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency issued b HSB CI of Hartford, CI have inspected	by the jurisdiction of <u>OHIO</u> and employed by d the work described in this report on <u>FEB 7, 2068</u> and state that to nodification or replacement has been completed in accordance with Section
C	ERTIFICATE OF COMPLIANCE
	to the best of my knowledge and belief the statements made in this report are int of the pressure relief devices described above conforms to Section XI of ction Code "VR" and "NR" rules.
National Board Certificate of Authorization No3	316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No2	20 to use the "NR" stamp expires 07/17/10
Date FENC	OC Signed O.C.
(name of repair or	
I, N/A holding a val	lid commission issued by the National Board of Boiler and Pressure Vessel
and state that to the best of	by the jurisdiction of <u>OHIO</u> and employed by the repair, modification or replacement described in this report on f my knowledge and belief, this repair, modification or replacement has been SME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned repair, modification or replacement described in the second	d nor my employer makes any warranty, expressed or implied, concerning the his report Furthermore, neither the undersigned nor my employer shall be set erty damage or loss of any kind arising from or connected with this inspection.
Date Signed	Commissions
	(impecial) (National Board (incl andorsements), and juntsdictions, and juntsdictions, and no ))

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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				76 S	Main, A	kron, OH					······································
lama, address, Iden	tification of nuclear po	ower plant	-		D	avis-Besse	, 5501 N.	State Rte. 2	Oak Ha	irbor, Ohio	43449
vsiem				Reactor (	Cooling	System "	RCS"				
tems Which Requi	red Repair, Modificati	on, or Replacem Identifica						Constructio	Code		Activity
	Mfg	Mfg.	1	T	r		Name/	Edition/	Code		
Type of h	Name	Serial No	Natl Bd N		Other	Year Built	Section Division	Addenda	Cuse(s)	Code Class	Repair/ Mod/ Replace
Pressurize	r B&W	620-0014-59	N-157	N/A	N/A	1972	ASME Div. 1	to 1968	N/A		Repair -
L			1								
tems Instailed Dur	ing Replacement Acti						<u> </u>				- 0-1-
ype of item	Installed or replaced	Mifg.	ntification		Jurisd.	Other	Year	Name/	dition/	Constructio	
Tempedard	5a liem No	L	Serial No	Nafl Ed No.	No.	N/A	Built	Division	ddenda	Case(s)	Code Class
Pad Pad	"see line 11 &	WSI	N/A	N/A	N/A	N/A	2007	ASME XI	95/96	N-638-1	1
V4" Nozzle	12 of this form"	WSILSN	1,2,4,5,6,7	N/A	N/A	N/A	2007	ASMEXI	95/98	N-638-1	1
SME Code Sectio	n XI applicable for m-	services inspection	OIL:		995 Glas)			996 (mode)			N/A (Code Case(1))
SME Code Section	a XI used for repairs, 1	modifications or	replacements:			995		1996 (mitcale)		N-6	38-1, See line 11
Construction Code	used for repairs. modil	ication or replac	coments;	• •		E III, 1968	รมก	umer 1968	<u> </u>		NA
tilidiznoqzon cejizol	ics							ar Operating	Co.		(Code Case(s))
Tests conducted:	hydrosi	tatic 📑 I	pneumatic	design p	255010	_	-	-			
		* n				pr pr	sure	psi	Code C	use(s)	N/A
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the Pressurize In the controls est Rev. This	er. This change v specified in Coo implements a on	Sensing Noz vas made po le Case N-6 le lime NRC	zie RC14A- ossible by In 38-1 as mod accepted re	to be perfo F replaceme (use of pro- stalling an ar lified by Relin spair plan in	nt inclue perty iden nbient t ef Requi	ded a pres ded a pres dified addition emperatur est RR-AS nce with I	asure box nal shect(s) ré, Temp 31, in cor Relief Re	undary chan or skridi(es) is perbead incc njunction will quest RR A	ge from acceptable nel wel h WSI's 31 and 1	the inter ) d pad pe Traveler for amen	
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	<u> </u>			February 6, 2008	. <u> </u>		· · · · ·
1. Owner FirstEne	rgy Corp.	······································	Date	10010119 0, 2008		•	
_76 South	Main St., Akron, OH 44308	8		Sheet 1 of 3			
2 Plant Davis-Be	sse Nuclear Power Station	<u></u>	Unit	· · ·	#1		
_5501 N. S	SR. 2, Oak Harbor, OH 434	49		Order# 200249960 Repetr Organizat		h No. atr	` <u> </u>
3. Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Турө	Code Stamp <u>NR</u>			
<u>5501 N</u>	. SR. 2. Oak Harbor, OH 43	3449	A	uthorization No. 20	<u>.</u>	. ,	
· · · ·	Address						
A Identification of Suntos	ns Pressurizer DB-J		(Sub	Expiration Date	17/10	· · · · · · · · · · · · · · · · · · ·	
<ul><li>4 Identification of System</li><li>5 (a) Applicable Constr</li></ul>	· · · · · · · · · · · · · · · · · · ·	1968 Edition	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	le Case N		
	n of Section XI Utilized for Repairs		-				416-3
	6. Identification of Comp	onents Repaired	or Beplaced a	Ind Benlacement Cor	monente		·
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification/ Jurisdictional No	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
Pressurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
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		7. Descript					
The top vent nozzle rep	lacement included cutting the	existing nozzle f	lush with the				
The top vent nozzle rep sacrificial plug in the m	ozzle bore and depositing a we	existing nozzle f eld pad around th	lush with the e existing noz	zle bore. The nozzle	bore and	l sacrificial plug	
The top vent nozzle rep sacrificial plug in the ne machined out 1/2 the th	ozzle bore and depositing a we ickness of the pressurizer she	existing nozzle f eld pad around th	lush with the e existing noz	zle bore. The nozzle	bore and	l sacrificial plug	
The top vent nozzle rep sacrificial plug in the n machined out 1/2 the th and welded to the new	ozzle bore and depositing a we ickness of the pressurizer she	existing nozzle f eld pad around th ll, a new replacen	lush with the e existing noz nent nozzle w	zzle bore. The nozzle as installed into the r	bore and	l sacrificial plug	
The top vent nozzle rep sacrificial plug in the n machined out 1/2 the th and welded to the new All phyical work was p All work completed by	ozzle bore and depositing a we ickness of the pressurizer she weld pad. erformed by WSI per PO# 10 WSI is documented on "NR-3	existing nozzle f eld pad around th II, a new replacen 3571 and WSI tra 33 & 34" Report of	lush with the e existing noz nent nozzle w aveler# 10357 of Repairs.	zzle bore. The nozzle as installed into the n 1-TR-014	bore and	l sacrificial plug	were
The top vent nozzle rep sacrificial plug in the m machined out 1/2 the th and welded to the new All phyical work was p All work completed by	ozzle bore and depositing a we ickness of the pressurizer she weld pad. erformed by WSI per PO# 10.	existing nozzle f eld pad around th II, a new replacen 3571 and WSI tra 33 & 34" Report of	lush with the e existing noz nent nozzle w aveler# 10357 of Repairs.	zzle bore. The nozzle as installed into the n 1-TR-014	bore and	l sacrificial plug	were
The top vent nozzle rep sacrificial plug in the m machined out 1/2 the th and welded to the new All phyical work was p All work completed by	ozzle bore and depositing a we ickness of the pressurizer she weld pad. erformed by WSI per PO# 10 WSI is documented on "NR-3	existing nozzle f eld pad around th II, a new replacen 3571 and WSI tra 33 & 34" Report of	lush with the e existing noz nent nozzle w aveler# 10357 of Repairs.	zzle bore. The nozzle as installed into the n 1-TR-014	bore and	l sacrificial plug	WEIE
The top vent nozzle rep sacrificial plug in the ne machined out 1/2 the th and welded to the new All phyical work was p All work completed by FirstEnergy Corp. (DB) 8 Tests Conducted:	ozzle bore and depositing a we iickness of the pressurizer she weld pad. erformed by WSI per PO# 10 WSI is documented on "NR-2 ) performed a VT-2 initial inse Hydrostatic No Pressure <u>NOP</u>	existing nozzle f eld pad around th II, a new replacen 3571 and WSI tra 33 & 34" Report of	lush with the e existing noz nent nozzle w aveler# 10357 of Repairs. at. Test was sa	zzle bore. The nozzle as installed into the n 1-TR-014 tisfactory.	bore and	l sacrificial plug	WEIE
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DB-0070-5	
FORM NIS-2/NR-1/ <del>NVR-1</del>	· · ·
9. REMARKS Applicable Manufacturers Data Rep	
Welding Services Inc.	
	كاني.
	·
I, Richard R. Cockrell , certify that the statements made in this report are correct and the repareplacement of the items described above conforms to Section XI of the ASME Code and to the National Bo Code "NR" rules	air, modification, or Pard Inspection
National Board Certificate of Authorization No.       20to use the "NR" starpp expires       07/17/10         Date       02_06-08       FENOC       Signed       Conducte         (name of mpsic organization)       Signed       Conducte       Conducte	Q.C.
CERTIFICATE OF INSERVICE INSPECTION	
I, Thomas G. Laps holding a valid commission issued by the National Board of Boiler and I Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the work described in this report on <u>Feg. 7, 300B</u> are the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance XI of the ASME Code and the National Board Inspection Code "NR" rules.	nd state that to
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implivent work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any more personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 3/7/08 Signed Thomas Actions NB9330	
CERTIFICATE OF COMPLIANCE	····
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements mad correct and the repair, modification, or replacement of the pressure relief devices described above conforms the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	le in this report are to Section XI of
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10	
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10	<b></b>
Date FENOC Signed	Q.C. 244
(nerne of repairszation) (authorized representative)	
CERTIFICATE OF INSERVICE INSPECTION	
I, N/A holding a valid commission issued by the National Board of Boiler and F Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by HSB CI of <u>Hartford, CT</u> have inspected the repair, modification or replacement described in this re- and state that to the best of my knowledge and belief, this repair, modification or repla completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" a	port on acement has been
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or impli- repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my er- liable in any manner for any personal injury, property damage or loss of any kind arising from or connected v	mployer shall bears
Date Signed Commissions	•••
(Inspector) (National Boerd (incl and jurisdictions, an	
	jî x

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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	FORM NR-1 REPORT OF REPAIR X MODIFICATION OR REPLACEMENT TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS.	C262	
	1 Work performed by . Walding Services Inc. 103571 *NR-33*		•
	(nor d NR antikar takin) (P.G. as. jak ns. ne.) 2225 Skyland Court, Norcross, GA 30071		
	2 Owner First Energy Corp.		
	(veri 76 S Main, Akron, OH	,	
	(usione) 3 Name editrees, Manifraction of contexp power plant. Devis-Besso, 5501 N. State Ate. 2, Oak Harbor, Ottio 43449		
	51. Berns Which Required Repair, Modification, or Replacement Activities	 	
	kientijesten Mire Mire Mire Mire Mire Mire Mire Mire		
	rec iype ar nem Nome Aug Sena Ao. No. Anter Ao. Uner Terr Built Sociola Cese(s) Luce Lass Roper McO. Repute		
	I         RCS         B&W         6/20-0014-59         N-167         N/A         N/A         1972         ASME III         1956         N/A         1         Repair           Prossundow         D/V.1         1968         D/V.1         1968         D/V.1         1968		
		···] .	
	Ste. Lienus Installiof During Replacement Activities  Identification Construction Code		
	Type of lient instituted or replaced Mile Name Mile Social No. Nat1 Bill No. Janial Other Year Negod Editiond Code Code Class		
	Vent Nozzle See line 11 and 12 WSI TVN-1 N/A N/A N/A 2007 ASME DI 20017 N/A 1		
•	of this tam		
	6. ASME Code Section XI applicable for in-services inspection:19951996N/A		
	(#860) (#8700) (Cat-Canto) (Cat-Canto) 7 ASME Code Societa XI used for reprint, modifications, or reprintements: 1995 1998 N-838-1, See IIne 11		
	Konstruction Cole used for repairs, modification, or replacements:     Konstruction Cole used for repairs, modification, or replacements:     Source 1968 Surrimer 1968 N/A		
	(Mixim) (Mixim) (Mixim)		
	9 Decim reprosibilities FENOC First Energy Nuclear Operating Co.		
	EENCE Frest Energy Nuclear Operating Co.     FENCE Frest Energy Nuclear Operating Co.     Frest Energy Nuclear Operating Co.     Pressure     Pressure Crest to be performed by owner.     Pressure Test to be performed by owner.     The Top Vent Nazzle replacement included a pressure boundary change from the interior to the exterior     (use of pressure boundary change from the interior to the exterior		·
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	10 Text conducted       hydroxetsic       pocentation       design pressure       per conducted       pail       Code Case(s)       N/A         11 Description of work       The Top Vent Nozzle replacement included a pressure boundary change from the interior to the exterior <ul> <li>(use of property identified addieual duct(s) or skets(cs) is ecoptable;</li> <li>of the Pressurer. This change was made possible by installing an ambient temperature, Temperbead inconcel weld pad performed in accordance with the controls specified in Code Case N-638-1 as modified by Reflet Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014</li></ul>		·
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•••••••	10 Tests conducted       hydroxesis       pecunatic       design pressure       pec       pei       Cole Cam(b)       N/A         11 Description of work       The Top Vent Nozzle replacement Included a pressure boundary change from the interior to the exterior (us of property identified addiseand doct() or stack(or) is ecoptable)       N/A         of the Pressurer. This change was made possible by Installing an ambiant temperature. Temperthead incomet weld pad performed in accordance with the controls specified in Code Case N-638-1 as modified by Refield Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014         latest Rev. This implements a one time NRC accepted repair plan in accordance with Refier Request RR A31 and for amend Code Case N-638-1.         The repair work consisted of one pad weld, and one J-prep. to attach the nozzle to the pad localion, RC-PZR-VENT		•
••••••	10 Tests conducted       hydroxesis       pecunatic       design pressure       pec       pei       Cole Cam(b)       N/A         11 Description of work       The Top Vent Nozzle replacement Included a pressure boundary change from the interior to the exterior (us of property identified addiseand doct() or stack(or) is ecoptable)       N/A         of the Pressurer. This change was made possible by Installing an ambiant temperature. Temperthead incomet weld pad performed in accordance with the controls specified in Code Case N-638-1 as modified by Refield Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014         latest Rev. This implements a one time NRC accepted repair plan in accordance with Refier Request RR A31 and for amend Code Case N-638-1.         The repair work consisted of one pad weld, and one J-prep. to attach the nozzle to the pad localion, RC-PZR-VENT		·
	10 Test conductation       bydrowsteic       pecarately       pe		н
	10 Test conductation       bydrowsteic       pecarately       pecarately       pecarately       pet       Cole Case(d)       N/A         * Pressure Test to be performed by owner.       *       *       Pressure Test to be performed by owner.       pecarately       pecarately       pecarately       pecarately       pecarately       pecarately       N/A         11 Description of most       The Top Vent Nozzle replacement included a pressure boundary change from the interior to the exterior (use of property identified addecard doct(i) or sketk(or) is ecopately)       of the Pressure. This change was made possible by Installing an ambitint temperature, Temperaturead inconel weld pad performed in accordance with the controls specified in Code Case N-638-1 as modified by Refield Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014         Latest Rev. This implements a one time NRC eccepted repair plan in accordance with Refield Request RR-A31 and for ammend Code Case N-638-1.         The repair work consisted of one pad weld, and one J-prep, to attach the nozzle to the pad location, RC-PZR-VENT         WSI field weld number; Vent-PW *Pad Weld* Vent-JW*J-prep weld*       Davis Besse field weld number RC-PZR-Vent		·
	10 Test conductation       bydrowsteic       pecarately       pe		·
	10 Test conductation       bydrowsteic       pecarately       pecarately       pecarately       pet       Cole Case(d)       N/A         * Pressure Test to be performed by owner.       *       *       Pressure Test to be performed by owner.       pecarately       pecarately       pecarately       pecarately       pecarately       pecarately       N/A         11 Description of most       The Top Vent Nozzle replacement included a pressure boundary change from the interior to the exterior (use of property identified addecard doct(i) or sketk(or) is ecopately)       of the Pressure. This change was made possible by Installing an ambitint temperature, Temperaturead inconel weld pad performed in accordance with the controls specified in Code Case N-638-1 as modified by Refield Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014         Latest Rev. This implements a one time NRC eccepted repair plan in accordance with Refield Request RR-A31 and for ammend Code Case N-638-1.         The repair work consisted of one pad weld, and one J-prep, to attach the nozzle to the pad location, RC-PZR-VENT         WSI field weld number; Vent-PW *Pad Weld* Vent-JW*J-prep weld*       Davis Besse field weld number RC-PZR-Vent		· , · . · .
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	10 Test conductation       bydrowsteic       pecarately       pecarately       pecarately       pet       Cole Case(d)       N/A         * Pressure Test to be performed by owner.       *       *       Pressure Test to be performed by owner.       pecarately       pecarately       pecarately       pecarately       pecarately       pecarately       N/A         11 Description of most       The Top Vent Nozzle replacement included a pressure boundary change from the interior to the exterior (use of property identified addecard doct(i) or sketk(or) is ecopately)       of the Pressure. This change was made possible by Installing an ambitint temperature, Temperaturead inconel weld pad performed in accordance with the controls specified in Code Case N-638-1 as modified by Refield Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014         Latest Rev. This implements a one time NRC eccepted repair plan in accordance with Refield Request RR-A31 and for ammend Code Case N-638-1.         The repair work consisted of one pad weld, and one J-prep, to attach the nozzle to the pad location, RC-PZR-VENT         WSI field weld number; Vent-PW *Pad Weld* Vent-JW*J-prep weld*       Davis Besse field weld number RC-PZR-Vent		·
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· · · · ·	10 Test conductat       bytextatic       pecanatic       design pressure       pit       pit       Cole Case(d)       N/A         * Pressure Test to be performed by owner.         11 December 7         10 Test conducts specified In Code Case N = 638-1 as modelinged by Ristalling an ambient temperature. This implements a one time NRC accepted repair pian in accordance with Regress RN-A31 and for amond Code Case N-638-1.         The repair work consisted of one pad weld, and one Jprep. to attach the nozzle to the pad location, RC-PZR-VENT         WSI field weld number: Vent-PW "Pad Weld" Vent-JW "Jprep weld"       Davis Besse field weld number RC-PZR-Vent         Interpart work consisted of one pad weld, and one Jprep. You at the ERNIC: Fe-7A SFA 5.14; .025 "GTAW Machine" <td< td=""><td></td><td>·</td></td<>		·
	10 Test conductation       bydrowsters       pecarately       pe		
· · · ·	10 Test conductinit       byticoustic       pecaratic       pecaratic       pecaratic       pecaratic       pecaratic       pecaratic       pecaratic       pecaratic       N/A         11 Description of most       The Top Vent Nozzle replacement included a pressure boundary change from the interior to the exterior (use of property identified addigent dext() or sizek(cr) is morphable)       of the Pressure Test to be performed by owner.         11 Description of most       The Top Vent Nozzle replacement included a pressure boundary change from the interior to the exterior (use of property identified addigent dext() or sizek(cr) is morphable)         of the Pressure This change was made possible by installing an ambitint temperature. Thempeted in accordance with the controls specified in Code Case N-638-1 as modified by Refield Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014         Latest Rev. This implements a one time INRC eccepted repair plain in accordance with Refield Request RR A31 and for amond Code Case N-638-1.         The repair work consisted of one pad weld, and one J-prep, to attach the nozate to the pad location, RC-PZR-VENT         WSI field weld number; Vent-PW "Pad Weld" Vent-JW "J-prep weld"       Davis Besse field weld number RC-PZR-Vent         12. Remarks; Pad Weld WPS; 01-43-T-803-102836 R0; Weld Wire ERNIC:Fe-7A SFA 5.14; 332 "GTAW Machine"       Nozzle to Pad Weld WPS; 43-43-T-001 R/3; Weld Wire ERNIC:Fe-7A SFA 5.14; 332 "GTAW Manual"         CERNTIFICATE OF COMPLIANCE         1       James E. Nertz       certify dat to the		·
· · · ·	10 Test conductivit       before static potentials       permits       permits<		·
· · · ·	10 Test conductation       test pressure       per pressure       pair Code Case(d)       NIA         * Pressure Test to be performed by owner.       *       per code Case(d)       NIA         11 Decorported in the intervent of the performed by owner.       The Top Vent Nazzle replacement included a pressure boundary change from the intervent to the exterior (use of property Mediade databased active) or scatterior (use of property Mediade databased active) or scatterior       NIA         01 the Pressure This change was made possible by Installing an ambient temperature. This change was made possible by Installing an ambient temperature. There are the NASS is a modified by Refer Request RR A31 in conjunction with WSI's Traveler # 103571-TR-014         tatest Rev. This implements a one time NRC accepted repair plan in accordance with Refer Request RR A31 and for amend Code Case N-638-1.         The repair work consisted of one pad weld, and one _prep. to attach the nozzle to the pad location, RC-PZR-VENT         WSI field weld WPS: 01-43-T-803-102236 R/O; Weld Wire ERNIC/Fe-7A SFA 5.14; .035 "GTAW Machine"         Nozzle to Pad Weld WPS: 01-43-T-803-102236 R/O; Weld Wire ERNIC/Fe-7A SFA 5.14; .035 "GTAW Machine"         Nozzle to Pad Weld WPS: 43-43-T-001 R/J; Weld Wire ERNIC/Fe-7A SFA 5.14; .035 "GTAW Machine"         Nozzle to Pad Weld WPS: 43-43-T-001 R/J; Weld Wire ERNIC/Fe-7A SFA 5.14; .035 up to the code and the maxim modifies described above confirm to Section XI of the SME Code and the National Board Impection Code         1       Jamos E. Hetz (certify Ad to the bet of my knowledge and belift the stamp regine: Nov. 6 <t< td=""><td></td><td>·</td></t<>		·
	10 Tota coaduttit       before the performed by owner.       pri Cole Care()       N/A         11 Decription of the production of the performed by owner.       The Top Verit Nozzle replacement included a pressure boundary change from the interior to the exterior (use of press/) standing dutious duct() or texter() is sequels()       N/A         11 Decription of the Pressurtar. This change was made possible by Installing an ambient temperature. This included in Code Case N+638-1 as modified by Reid Request RR-A31, in conjunction with WSI's Traveler # 103571-1R-014         Listest Rev. This implements a one time NRC eccepted repair plan in accordance with Redief Request RR-A31 and for amend Code Case N-638-1.         The repair work consisted of one pad weld, and one Jarep, to attach the nozzle to the pad location, RC-PZR-VENT         WSI field weld number; Verit-PW "Pad Weld" Verit-JW "J-prop weld" Davis Besse field weld number RC-PZR-VENT         12. Remarks: Pad Weld WPS; 01-43-T-803-102836 RO; Weld Wire ERNIC/Fe-7A SFA 5.14; 302 "GTAW Machine"         Nozzle to Pad Weld WPS; 01-43-T-803-102836 RO; Weld Wire ERNIC/Fe-7A SFA 5.14; 302 "GTAW Machine"         Nozzle to Pad Weld WPS; 01-43-T-001 RA; Weld Wire ERNIC/Fe-7A SFA 5.14; 3022 "GTAW Manual"         Cerret in d the repair, modification or replement statistic descended size to a base on the SME tamp expires No. 4       2010         NR Certificate of Autorization       NR-69 to us the 'RR stamp expires No. 4       2010         NR Certificate of autorization of the anstrone State of the statement made in fair report are correed in thore model in the statements made in the report		·
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	10 Test undefinit       typesmic       design pressure       prisure       pit       Code Case(d)       N/A         11 Description of well       The Top Vent Nozzie replacement included a pressure boundary change from the interior to the exterior             (well frequer) identified additional devicitor and the exterior             (well frequer) identified additional devices and the external of a menual Code Case N-638-1 are modified by Refiel Request RR-A31, in conjunction with WSI's Traveler # 103571-TR-014             latest Rev. This Implements a one time NRG excepted repair join the accordance with Refiel Request RR-A31 and for amend Code Case N-638-1.             The repair work consisted of one pad weld, and one J-prep. to attach the nozate to the pad location, RC-P2R-VENT          WSI field weld number:       Vent-JW "J-prep weld"       Davis Besse field weld number RC-P2R-Vent          12. Remarks:       Ped Weld WPS; 01-43-T-803-102836 RO; Weld W/re ERNIC/Fe-7A SFA 5.14; 035 "GTAW Machine"          Nozzde to Ped Weld WPS; 01-43-T-803-102836 RO; Weld W/re ERNIC/Fe-7A SFA 5.14; 035 "GTAW Machine"          Nozzde to Ped Weld WPS; 01-43-T-803-102836 RO; Weld W/re ERNIC/Fe-7A SFA 5.14; 035 "GTAW Machine"          Nozzde to Ped Weld WPS; 01-43-T-803-102836 RO; Weld W/re ERNIC/Fe-7A SFA 5.14; 035 "GTAW Machine"          Nozzde to Ped Weld WPS; 01-43-T-803-102836 RO; Weld W/re ERNIC/Fe-7A SFA 5.14; 032 "GTAW Machine" <td< td=""><td></td><td></td></td<>		

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

	FORM NR-I		EPORT OF REPA CLEAR COMPO		MOD YSTEMS IN	NIFICATION		ЕРІ АСБЖ	IENT			3°63 3°63
1 Work performed by				ng Services Is	γς.				103571	"NR-34"		
			22:			») 185, GA 30071			(2.0.	na. jub (10., tit.)		
2 Owner			·		(rates) First Energ	y Conp.						
					(unar) Iain, Akron,							
3 Name, address, identi	Fortion of malater new				(uthese)	/is-Besse, 5501	N State Øte	2 Oak Ha	uthor Ohio	43449	- <b></b>	
			·								·	
4. System 5a. Henry Which Roquin	al Repair, Modification	or Replacement	Activities	Reactor Co	oling Syst	em "RCS"					<u> </u>	
		Kentifi	cation		······································		Construct	on Code		Activity		
No Type of the	n Mig. Name	Mfg. Serial	Na Nati Bd. No.	Juriad. No.	Other Y	fear Built Socia Divis	od Atterio	Code Case(s)	Code Class	Repair/ Mod/ Rephos		
1 Vent Nozzle	WSI	TVN-1	N/A	N/A	N/A	2007 ASM	E III 2001/	N/A	1	Repair		
				· <u> </u>		Div.	1 2003					
Sh. Items Instelled Duri	8 Ropleoonal Activit			1	1			<u> </u>				
Type of Item	Installed or replaced	Millie Namer	entification Mife		Jurist	Other Year	Name/	Edition	Constructio			
	Se Norm No		Scriel No.	Nati Bd No.	No.	Buik	Section/ Division	Addeads	Cese(s)	Code Class		
1" Couplings	See line 11 and 12	ASP	N/A	N/A	NA	N/A 1989	ASME	1989 No Addenda	N/A			
Small Bore Piping	of this form	Sandvik	NZA	NZA	N/A	N/A 1974	ASME II Div. 1	71/71	N/A			
6. ASME Code Section	XI applicable for in-sci	vices inspection.	·		995		1995	·		N/A	·	
7 ASME Code Section	XI used for repairs, mo	diffications, or rep	incernents.		199	ь	1996		N-83	8-1, See line 11		
8. Construction Code us	ed for repairs modifies	tion or replacem	ants.		ملکمی) 197	<u>1 a</u>	(Hindo) mmer 1971			N/A	·	
9 Design responsibilitie	3			FE	NOC First	*) t Energy Nuclea	به منطقه ( r Operating C	<b>o</b> .		(Code Care(a))		
. 10. Tests conducted.												
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# 15 RFO Inservice Inspection Summary

				REPAIRS OR RE Code Section XI	PLACE	EMENTS	
Owner FirstEne	rgy Corp.		Date	February 6, 2008		· · · ·	
_76 South	Main St., Akron, OH 44308			Sheet 1 of 3	• .		
Plant Davis-Be	sse Nuclear Power Station		Unit		#1		
<u>5501 N. 5</u>	SR. 2, Oak Harbor, OH 4344	9	· · · · · ·	Order# 200249961			. <sup>.</sup>
1	FirstEnergy Nuclear Operat		Туре	Repair Organizati	on P.O. No., Jo	6 No., elc.	
5501 N	Name . SR. 2. Oak Harbor, OH 434	149	At	uthorization No. 20		· · · ·	,
	Address	•••			1.7/10		
	ns Pressurizer DB-T	002	, (Subc	Expiration Date <u>07/</u> ys 064-04)	1//10	······	<u> </u>
Identification of Syster	ruction Code ASME III CL.1		A		ie Case N	· · · · · · · · · · · · · · · · · · ·	
(c) Design Responsi	6. Identification of Compo					· · · · · · · · · · · · · · · · · · ·	••••
	8. Identification of Compo		1.	Other Identification/		1	4044
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Jurisdictional No.	-Year Bulit	Repaired Replaced or Replacement	ASM Code Stamp
essurizer	Babcock & Wilcox	620-0014-59	N-157	DB-T002	1972	Repaired	Yes
		· · · · · · · · · · · · · · · · · · ·					
<u> </u>		7. Descrip	l tion of Work			·	L
ne sample nozzle rep	acement included cutting the e	xisting nozzle fl	ush with the o	utside diamenter of t	the press	urizer, installing	a 🏹
	ozzle bore and depositing a we						were
	nickness of the pressurizer shell weld pad.	, a new replacer	nent nozzie w	as installed into the i	newly ma	achine bore	
d welded to the new		571 and WSI tra	aveler# 10357	1-TR-015		· · · · · · · · · · · · · · · · · · ·	
ll phyical work was p			of Renairs.				
ll phyical work was p Il work completed by	WSI is documented on "NR-2			tinfactory			
ll phyical work was p ll work completed by				tisfactory.			•
ll phyical work was p ll work completed by	WSI is documented on "NR-2 ) performed a VT-2 initial inse	rvice leakage tes	st. Test was sa		e Yes	Other No	
ll phyical work was r ll work completed by rstEnergy Corp. (DB	WSI is documented on "NR-2		st. Test was sa	tisfactory. inal Operating Pressure Test Temperature		Other No	, 
ll phyical work was r ll work completed by rstEnergy Corp. (DB	WSI is documented on "NR-2 ) performed a VT-2 initial inse Hydrostatic No Pressure <u>NOP</u>	rvice leakage te: Pneumatic No	st. Test was sa	inal Operating Pressure			• • • •
Il phyical work was p Il work completed by irstEnergy Corp. (DB Tests Conducted:	WSI is documented on "NR-2 ) performed a VT-2 initial inse Hydrostatic No Pressure <u>NOP</u> alves:	rvice leakage te: Pneumatic No	st. Test was sa Nom	inal Operating Pressure			· · · · · · · · · · · · · · · · · · ·
irstEnergy Corp. (DB Tests Conducted: Pressure Relief V Servic	WSI is documented on "NR-2 ) performed a VT-2 initial inse Hydrostatic No Pressure <u>NOP</u> alves:	Pneumatic No	st. Test was sa Nom Si	inal Operating Pressure	<u>IOI</u>		· · · · · · · · · · · · · · · · · · ·
Il phyical work was p Il work completed by irstEnergy Corp. (DB Tests Conducted: Pressure Relief V Servic Open	WSI is documented on "NR-2 ) performed a VT-2 initial inser Hydrostatic No Pressure <u>NOP</u> alves: pe <u>N/A</u>	Pneumatic No	st. Test was sa Nom Si	inal Operating Pressure Test Temperature <u>N</u> ze <u>N/A</u>	<u>N/A</u>	°F	· · · · · · · · · · · · · · · · · · ·
II phyical work was p II work completed by irstEnergy Corp. (DB Tests Conducted: Pressure Relief V Servic Open Set P	WSI is documented on "NR-2 ) performed a VT-2 initial inser Hydrostatic No Pressure <u>NOP</u> alves: se <u>N/A</u> ng Pressure <u>N/A</u>	Pneumatic No	st. Test was sa Nom Si Bl	inal Operating Pressure Test Temperature <u>N</u> ze <u>N/A</u> owdown (if applicable)	<u>N/A</u>		

DB-0070-5	
FORM NIS-2/NR-1/N <del>VR-1</del>	· .
Applicable Manufacturers Data Reports to b	
9. REMARKS	
Welding Services Inc.	·
	. ځنځ
I, Richard R. Cockrell , certify that the statements made in this report are correct and the repair, n replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Code "NR" rules.	
National Board Certificate of Authorization No. 20 to use the "NR" starpp-expires 07/17/10	
Date 02-06-08 FENOC Signed Signed (watholized representative)	Q.C.
CERTIFICATE OF INSERVICE INSPECTION	
1. Thomas G. Laps       holding a valid commission issued by the National Board of Boiler and Press         Inspectors and certificate of competency issued by the jurisdiction of       OHIO       and employed by         HSB CI       of       Hartford, CI       have inspected the work described in this report on       FEB:1, 2008       and si         the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance       XI of the ASME Code and the National Board Inspection Code "NR" rules.	tate that to
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any many personal injury, property damage or loss of any kind arising from of connected with this inspection. Date <u>2708</u> Signed <u>Thomas</u> <u>Bargan</u> Commissions <u>NB9330 N Thomas</u>	A Comput
CERTIFICATE OF COMPLIANCE	
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in correct and the repair, modification, or replacement of the pressure relief devices described above conforms to 5 the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	this report are Section XI of
National Board Certificate of Authorization No316 to use the "VR" stamp expires 12/13/10	it a st
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10	3. <u>.</u>
Date FENOC Signed (authorized representative)	Q.C. 34
CERTIFICATE OF INSERVICE INSPECTION	
I, <u>N/A</u> holding a valid commission issued by the National Board of Boiler and Press Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CI</u> of <u>Hartford, CI</u> have inspected the repair, modification or replacement described in this report and state that to the best of my knowledge and belief, this repair, modification or replacement completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and " By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, or repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employed liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with	on nent has been 'NR" rules concerning the over shall beas
Date Signed Commissions	]
Date Commissions	ements),
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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

		FORM NR-1		EPORT	OF REPAIR	[X]	24	ODIFICATI		OP	REPLACEN	IENT [	1		P3 20f3 C-2-6	
					COMPONE	NTS AND S	YSTEMS	IN NUCL	EAR POW					<u></u>		
I. We	ak performed by				Welding	Services in (same of his	tC. E artificato h	alder)				103571	"NR-28	r.	-	
					2225	Skyland Co	urt, Nora	mass, GA	30071	····					_	
2 Qu	waar						First En	ergy Corp.		<i>.</i>				,		
					<u> </u>	76 S M	ain, Akr	on, OH							_	
3 Na	une, eddrosa, fdent	ification of malear pow	er plant				(مەنغاند) 	Davis-Bess	e, 5501 N	State Rt	e. 2, Oak H	arbor, Ohi	0 43449			
4. Sy:		<u></u>	····			Reactor Co	oline f	veters 17							-	
		ed Repair, Madificatio			es		oung o	sten n								
H			ldeati	firstion		<b></b>			Name		action Code		Ad	tivity		
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曰	RCS Pressunize	BAW	820-001	4-59	N-157	N/A	N/A	1972	ASME I	196		1	Re	pair	-	
H	riescuize		<u> </u>			1		<u> </u>			<u> </u>		t		3	
5h. h	terns Installed Duri	ing Replacement Activi													· r	
T	ype of item	Installed or replaced	Atig. Nemo	klentificat		·····	Juriad	Other	Year	Name/	Edition/	Constructi	1		·	
		Sa heni No		5œ	ist Na.	Net1Bd No.	No.		1	Section/ Division	Addenda	Case(s)	<u> </u>	: Class		
84	ample Nozzle	See line 11 and 1: of this form	2 WSI	5	N-1	N/A	N/A	<u></u> N/A	2007	Div. 1	20017 2003	N/A		1	- ·	
							1					1	I			
6. A.	SME Code Section	XI epplicable for in-se	rvices inspectio	æ			995 / 10001		19	96 mtu)			N/A			
7 A.	SIMI! Code Section	XI used for repairs, ro	difications, or 1	episoene	ets:			1995		996 (Janut)		N-6	38-1. See line	11		
8.02	onstruction Code u	sed for repairs modific	ation, or replace	incol.¢				1968		1958			N/A			
	onsruction Code u vesign responsibiliti	-	ation, or replace	incols.		FI		1968 Heimi First Energ		(dinda)			N/A (Code Case(s))			
9 D 10. 1 11. 1	esign responsibiliti Testr conducted Description of word	ter the Si	atic [*] *] ample Nozz	] poi Pressius le repla	re Test to	design p be perform cluded a pre (use of prop	ENOC F med by essure b	owner.	y Nuclear ( taxare change fro	Operating orn the in ketti(es) is	pri Code C Iterlor to th acceptable)	e exterto	Cole Case(4)			
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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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1 Owner FirstEne	rgy Corp. Name		Date	February 6, 2008			
76 South	Main St., Akron, OH 44308			Sheet 1 of 2			
2 Plant Davis-Be	sse Nuclear Power Station		Unit	,	#1	·	
<u>5501 N. 8</u>	SR. 2, Oak Harbor, OH 4344	9	-	Order# 200249962 Repair Organizati	ion P.O. No., Jo	b No., utc.	
3. Work Performed by	FirstEnergy Nuclear Operat	ing Co.	Туре	Code Stamp <u>NR</u>		· .	
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4. Identification of System	ns Pressurizer DB-T	002	(Subs	ys 064-04)			·
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Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
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to attach the nozzle to t		and a store put at		ing the mit went bere			
	erformed by WSI per PO# 103	571 and WSI tra	veler# 10357.	1-TR-009			
All work completed by	WSI is documented on "NR-3	1" Report of Rep	airs.				
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FirstEnergy Corp. (DB)	performed a VT-2 initial inse	rvice leakage test	t. Test was sai	tisfactory.			
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8 Tests Conducted:	Hydrostatic No Pressure NOP	Pneumatic No		inal Operating Pressure Test Temperature N		Other No °F	
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Openir	ng Pressure N/A		Ble	owdown (if applicable)	N/A		
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uns report is included on e	ach sheet, and (30 each sheet is n	umbereo ano the h	under of sheet	s is recorded at the top	UT THIS FOR	m	J

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
Welding Services Inc.
CERTIFICATE OF COMPLIANCE
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.
National Board Certificate of Authorization No. 20 to use the "NR" stampexpires 07/17/10
Date 02.06-28 FENOC Signed Signed Course Course Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I, Ihomas G. Laps       holding a valid commission issued by the National Board of Boiler and Pressure Vessel.         Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by         HSB CT of Hartford, CI have inspected the work described in this report on Fers. 1, 190 P. and state that to         The best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section-XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date
I, <u>N/A</u> , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date Signed Q.C. 313-
CERTIFICATE OF INSERVICE INSPECTION
N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the Jurisdiction of       OHIO       and employed by         HSB CT       of       Hartford, CT       have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been
completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be re- liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(frapector) (National Board (incl. and newments), and [ur/sdictions, and no ])
<u>16</u>

Page 225 of 238

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

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ii 1 of t with late	Tats constraint Description of two the Prossuriz the Prossuriz the control set Rev. This is repair work set repair work set of St field weld 1 Remarks: F N L. Remarks: F N L. Remarks: F N L. Remarks: F N L. Remarks: F N L. 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FOR	M NIS-2/NR-1/ <del>NVR-1</del> O As Required	WNER'S REP by the Provisions			PLACE	EMENTS	
1. Owner FirstEne	rgy Corp.		Date	January 31, 2008			
_76 South	Main St., Akron, OH 44308	8		Sheet 1 of I			
2 Plant Davis-Be	esse Nuclear Power Station		Unit		#1		
5501 N.	SR. 2, Oak Harbor, OH 434	49	-	Order# 200261534	on P.O. No. Jo	h No atr	· .
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>		· · · ·	
<u>5501 N</u>	I. SR. 2, Oak Harbor, OH 43	3449	A	uthorization No. 20	· · ·		<u> </u>
				Expiration Date _07/	/17/10		
Identification of System	ns Reactor Coolant Pump	2 Seal Injection L	ine -1 1/2" C	CB-8-1 Piping - (S	Subsys O	64-03)	:
(a) Applicable Const	ruction Code ASME III CL.2	- 1971 Edition	No Ade	denda Coo	le Case N	10	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	.19 <u>95</u> E	Edition <u>96</u>	Addenda	Code Case - N-	416-3
(c) Design Responsi	bilities FirstEnergy Corp.			· · · · · · · · · · · · · · · · · · ·	<u>.</u>	<u>* .</u>	
<u> </u>	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Cor	nponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
- 1 1/2" Coupling	Energy & Process Corp.	HT# S69060	N/A	N/A	2006	Replacement	No
8" x 1 1/2" Piping	Energy & Process Corp.	HT# 443566	N/A	N/A	2002	Replacement	No
						<u> </u>	
· · · · · · · · · · · · · · · · · · ·							
······		7 Deserte		l		<u> </u>	
ngineering Change P	ackage (ECP) 06-0154-00 relo	7. Descript		ATTI 247A down strea	m of MI	1243	
	prior to the Local Leak Rate						* .
	E requirements were impleme		llation.			-	
VI-2 initial inservic	e leakage test was performed s	satisfactory.					
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		· · · ·					-अस. जनद
							nper
· ?_			•				
Tests Conducted:	Hydrostatic No	Pneumatic No	Nom	inal Operating Pressure		Other Yes	•
Tests Conducted:	Pressure <u>NOP</u>	Pneumatic No	Nom	inal Operating Pressure Test Temperature		Other Yes °F	•
Tests Conducted:	Pressure <u>NOP</u>	psi		Test Temperature			•
Tests Conducted: Pressure Relief V Servic	Pressure <u>NOP</u> alves: e <u>N/A</u>		Si	Test Temperature _]	101		• • •
Tests Conducted: Pressure Relief V Servic Openi	Pressure <u>NOP</u> alves: e <u>N/A</u> ng Pressure <u>N/A</u>	psi	Si Bl	Test Temperature	101		· · · · · · · · · · · · · · · · · · ·
Tests Conducted: Pressure Relief V Servic Openi Set Pr	Pressure         NOP           alves:	psi	Si	Test Temperature _]	<u>107</u> <u>N/A</u>		· · ·
Tests Conducted: Pressure Relief V Servic Openi Set Pr	Pressure <u>NOP</u> alves: e <u>N/A</u> ng Pressure <u>N/A</u>	psi	Si Bl	Test Temperature <u>1</u> ze <u>N/A</u> owdown (if applicable)	<u>107</u> <u>N/A</u>		

DB-0070-5 FORM NIS-2/NR-1/NVR-1 oplicable Manufacturers Date Reports in he Altrich 9. REMARKS N/A CERTIFICATE OF COMPLIANCE Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or 1 replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules National Board Certificate of Authorization No. 20 to use the "NR" stappe expires 07/17/10 FENOC Date Signed 01-31-08 00 O.C CERTIFICATE OF INSERVICE INSPECTION Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by HSB CI of Hartford, CI have inspected the work described in this report on <u>JAN 31, 2608</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. ic oiHo 131/08 Signed Three Commissions Date Could CERTIFICATE OF COMPLIANCE N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 National Board Certificate of Authorization No. to use the "NR" stamp expires 20 07/17/10 FENOC 364 Date Signed O.C. di bi CERTIFICATE OF INSERVICE INSPECTION N/A holding a valid commission issued by the National Board of Boiler and Pressure Vessel and employed by Inspectors and certificate of competency issued by the jurisdiction of OHIO Hartford, CI have inspected the repair, modification or replacement described in this report on HSB CT of and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection Commissions Date Signed

## Page 229 of 238

## 15 RFO Inservice Inspection Summary

FOR	M NIS-2/NR-1/ <del>NVR-1</del> -0				PLACE	EMENTS	-
	As Required	by the Provisions	s of the ASME	Code Section XI			
1 Owner FirstEne	rgy Corp.		Date	January 2, 2008			
76 South	Main St., Akron, OH 44308	3		Sheet 1 of 1			
2. Plant Davis-Be	sse Nuclear Power Station		Unit		#1	·····	<u> </u>
<u>5501 N. S</u>	SR. 2, Oak Harbor, OH 4344	49		Order # 200266309 Repair Organizat	ion P.O. No., Jo	b No., etc.	`.
3. Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>			
<u>5501 N</u>	. SR. 2, Oak Harbor, OH 43	3449	A	uthorization No. 20			
	• •	•		Expiration Date _07			·
4. Identification of System	High Pressure Line Flov	w Test Isolation	Valve, DB-M	U442 (Subsys065-01	)		
5 (a) Applicable Constr	uction Code ASME III CL.2	1971 Edition	No Ad	denda Coo	de Case N	lo ,	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u>	Edition <u>96</u>	Addenda	Code Case N-	416-3
(c) Design Responsit	Ulities First Energy Corp			· · · · · · · · · · · · · · · · · · ·	• .	<u></u>	
	6. Identification of Compo	onents Repaired	or Replaced a	nd Replacement Col	mponent	3	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
1-11/2" Pipe Tee	Tioga Pipe Supply Company	HI# 702521	No	ТС РА	2007	Repair	No
			<u> </u>	·			
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
		7. Descrite					
	(DD MII(42) in Melann Du	7. Descript		0004.00			
	e (DB-MU442) in Makeup Pu E requirements were impleme	mp Test, Per EC		0094-00.			
Code Case N-416-3 ND	e (DB-MU442) in Makeup Pu DE requirements were impleme e Test was completed satisfact	mp Test, Per ECI ented.		0094-00.			
Code Case N-416-3 ND	DE requirements were impleme	mp Test, Per ECI ented.		0094-00.			
Code Case N-416-3 ND	DE requirements were impleme	mp Test, Per ECI ented.		0094-00.			
Code Case N-416-3 ND	DE requirements were impleme	mp Test, Per ECI ented.		0094-00.		· · · · · · · · · · · · · · · · · · ·	
Code Case N-416-3 ND	DE requirements were impleme	mp Test, Per ECI ented.		0094-00.			
Code Case N-416-3 ND	E requirements were impleme e Test was completed satisfact Hydrostatic No	mp Test, Per EC ented. ory. Pneumatic No	P package 07-	inal Operating Pressure		Other No	
Code Case N-416-3 NE A VT-2 Initial Inservice 8 Tests Conducted:	E requirements were impleme Test was completed satisfact Hydrostatic No Pressure <u>1502</u>	mp Test, Per ECI ented. ory.	P package 07-	· · · · · · · · · · · · · · · · · · ·		Other No °F	
Code Case N-416-3 NE A VT-2 Initial Inservice	E requirements were impleme e Test was completed satisfact Hydrostatic No Pressure <u>1502</u>	mp Test, Per EC ented. ory. Pneumatic No	P package 07-	Inal Operating Pressure Test Temperature			
Code Case N-416-3 NE A VT-2 Initial Inservice 8 Tests Conducted: Pressure Relief Va Service	E requirements were impleme Test was completed satisfact Hydrostatic No Pressure <u>1502</u> N/A	mp Test, Per EC ented. ory. Pneumatic No	P package 07-	Inal Operating Pressure Test Temperature zeN/A	IOT	°F 	
Code Case N-416-3 NE A VT-2 Initial Inservice 8 Tests Conducted: Pressure Relief Va Service Openin	E requirements were impleme e Test was completed satisfact Hydrostatic No Pressure <u>1502</u>	mp Test, Per EC	P package 07-	inal Operating Pressure Test Temperature <u>N</u> ze <u>N/A</u> owdown (if applicable)	<u>N/A</u>	°F 	
Code Case N-416-3 NE A VT-2 Initial Inservice 8 Tests Conducted: Pressure Relief Va Service Openin Set Pre	E requirements were impleme Test was completed satisfact Hydrostatic No Pressure <u>1502</u> NVA Pressure <u>N/A</u> ag Pressure <u>N/A</u> assure and Blowdown Adjustmenter	mp Test, Per EC	P package 07- Nom Si Bl	Inal Operating Pressure Test Temperature zeN/A	<u>N/A</u>	°F 	
Code Case N-416-3 NE A VT-2 Initial Inservice 8 Tests Conducted: 9 Pressure Relief Va Service Openir Set Pre at	E requirements were impleme Test was completed satisfact Hydrostatic No Pressure <u>1502</u> NVA Pressure <u>N/A</u> ag Pressure <u>N/A</u> assure and Blowdown Adjustmenter	mp Test, Per EC	P package 07- Norm Si V/A	Inal Operating Pressure Test Temperature <u>N</u> ze <u>N/A</u> owdown (if applicable) (TextMed	<u>N/A</u>	°F	. 6. 

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, Ohio 44308 Davis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449 Commercial Service Date: July 31, 1978

	FORM NIS-2/NR-1/ <del>NVR-1</del>	
	Applicable Manufacturers Data Reports	to be Attached
J/A	9. REMARKS	
	CERTIFICATE OF COMPLIANCE	•
Lynn R. Wagner eplacement of the items describe code "NR" rules	, certify that the statements made in this report are correct and the repair red above conforms to Section XI of the ASME Code and to the National Boa	
ational Board Certificate of Auth	horization No to use the "NR" stamp expires07/17/10	
ate <u>01-02-08</u>	(name of repair organization) Signed Symme R. Wagner (nutronized representation)	Q.C.
•	CERTIFICATE OF INSERVICE INSPECTION	
SB CI of Hartford, CI e best of my knowledge and be	holding a valid commission issued by the National Board of Boiler and Pr petency issued by the jurisdiction of <u>OHIO</u> and employed by have inspected the work described in this report on JAN. 03, 300B and elief, this repair, modification or replacement has been completed in accordantional Board Inspection Code "NR" rules.	state that to
ork described in this report. Fur ersonal injury, property damage	the undersigned nor my employer makes any warranty, expressed or implied thermore, neither the undersigned nor my employer shall be liable in any ma or loss of any kind arising from of connected with this inspection.	Inner for any
ork described in this report. Fur ersonal injury, property damage	Thermore, neither the undersigned nor my employer shall be liable in any matrix or loss of any kind arising from of connected with this inspection.	Inner for any
ork described in this report. Fur ersonal injury, property damage	nthermore, neither the undersigned nor my employer shall be liable in any ma or loss of any kind arising from of connected with this inspection. igned Themes B fans. Commissions NB 9330 N	Inner for any
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ork described in this report. Fur rsonal injury, property damage ate	Image: Second state of the pressure relief devices described above conforms to nal Board Inspection No. 316 to use the "VR" stamp expires       12/13/10	in this report a
ork described in this report. Fur rsonal injury, property damage ate <u>1308</u> Si <u>N/A</u> rrect and the repair, modification a ASME Code and to the Nation ational Board Certificate of Author	Image: Second state of the pressure relief devices described above conforms to nal Board Inspection No. 316 to use the "VR" stamp expires       12/13/10	in this report a
N/A N/A N/A N/A N/A N/A N/A N/A	Image: Second state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.         Image: Second state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.         Image: Second state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.         Image: Second state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.         Image: Second state of the the state of the state of the state of the state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.         Image: Second state of the the state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.         Image: Second state of the state	in this report a
rk described in this report. Fur rsonal injury, property damage te	Image: Second state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.       12/13/10         Image: Second state of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.       12/13/10	in this report a
N/A N/A N/A N/A N/A N/A rrect and the repair, modification a ASME Code and to the Nation ational Board Certificate of Author ational Board Certificate of Author ational Board Certificate of Author	Intermore, neither the undersigned nor my employer shall be liable in any magnetic or loss of any kind arising from of connected with this inspection.         igned       Image: Ima	in this report a Decision X1 of Q.C.
N/A         N/A         Prect and the repair, modification         ASME Code and to the Nation         Aster	rthermore, neither the undersigned nor my employer shall be liable in any mage or loss of any kind arising from of connected with this inspection.         igned       Image: Commissions       NB 9350       NB 9350       NB 9350         igned       Image: Commissions       NB 9350       NB 9350       NB 9350         CERTIFICATE OF COMPLIANCE              , certify that to the best of my knowledge and belief the statements made on, or replacement of the pressure relief devices described above conforms to nal Board Inspection Code "VR" and "NR" rules.         norization No.       316       to use the "VR" stamp expires       12/13/10         iorization No.       20       to use the "NR" stamp expires       07/17/10	in this report a posed of the second
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N/A         N/A         ate       1308         N/A         ate       Si         N/A         ate       Image         ate       Si         N/A         ational Board Certificate of Author         ate       Mathematication         ational Board Certificate of Author         ational Board Certificate of Author         ational Board Certificate of compression         ate         N/A         spectors and certificate of compression         BCI       of         Hartford, CI       th         mpleted in accordance with Sec         signing this certificate, neither t         bair, modification or replacement         be in any manner for any person	rthermore, neither the undersigned nor my employer shall be liable in any mage or loss of any kind arising from of connected with this inspection.         igned       Image:	in this report a posed of the second of the

Page 230 of 238

·····	As Required	by the Provisions	of the ASME	Code Section XI			
Owner FirstEne	rgy Corp.		Date	January 29, 2008			<u></u> _
_76 South	Main St., Akron, OH 44308	3		Sheet 1 of 1			
Plant Davis-Be	sse Nuclear Power Station	· · · ·	Unit		#1		·
5501 N. S	SR. 2, Oak Harbor, OH 434	49	_	Order# 200296303	ion P.O. Na.; Jo	b No., etc.	
Work Performed by	FirstEnergy Nuclear Opera	ting Co.	Туре	Code Stamp <u>NR</u>		· · ·	
5501 N	. SR. 2. Oak Harbor, OH 42	3449	A	uthorization No 20			
	ADDU BELS	· · · ·		Expiration Date _07/	/ <u>17/10</u>		
Identification of System	ns Hanger EBB-1-SR9,	DB-SNC178	(Subsys	083-01)			
(a) Applicable Const	ruction Code ANSI B31.1	1967 Edition	Later	Addenda Cod	de Case )	ło	
(b) Applicable Edition	of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> i	Edition <u>96</u>	Addenda	Code Case No	<b>b</b> .
(c) Design Responsi	bilities FirstEnergy Corp., Li	sega Inc				n an	
	6. Identification of Compo	7 <u> </u>	T	·	mponent	1	· · · ·
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASM Cod Stamp
nubber	Lisega Inc.	61222/29	N/A	DB-SNC178	Unk.	Replaced	No
nubber	Lisega Inc.	04616533/002	N/A	DB-SNC178	2007	Replacement	No
		<u> </u>	<u> </u>				f
· · · · · · · · · · · · · · · · · · ·				1	·		1
				· · · · · · · · · · · · · · · · · · ·			
		7. Descript			, 		
	r (serial # 61222/29) was repl: on was completed satisfactory		ike for like re	placement snubber (	serial#0	4616533/002).	<del></del>
(a) cont. ANSI B31.1		•			~ <del>~</del> _		<u> </u>
		· · · · · · · · · · · · · · · · · · ·					<b>.</b>
				· · · · · · · · · · · · · · · · · · ·			
		· · · · · · · · · · · · · · · · · · ·					
Tests Conducted: Pressure Relief V	Hydrostatic No Pressure <u>N/A</u> alves:	Pneumatic No	Nom	inal Operating Pressure		Other No °F	
Servic	e <u>N/A</u>	·	S	ize <u>N/A</u>			
	ng Pressure <u>N/A</u>	· · · ·	B	lowdown (if applicable)	N/A	· · · ·	
Open			NT/ A				
	ressure and Blowdown Adjustmen	ts Made Using _]	N/A		diam)		
Set P	ressure and Blowdown Adjustmen	ts Made Using _]	N/A	(Text Me	dium)		

DB-0070-5
FORM NIS-2/NR-1/ <del>NVR-1</del>
9. REMARKS
N/A
CERTIFICATE OF COMPLIANCE
I, Richard R. Cockrell       , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10
Date <u>D1-29-D8</u> <u>FENOC</u> Signed <u>Ficilities Connect</u> <u>Q.C.</u>
CERTIFICATE OF INSERVICE INSPECTION
I, <u>Ihomas G. Laps</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>HSB CT</u> of <u>Hartford, CI</u> have inspected the work described in this report on <u>JAN. 31 2008</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. Date 13108 Signed Thomas House Commissions NB4338 NIA Commissions MB4338 NIA Commissions of the content of the commission of the co
CERTIFICATE OF COMPLIANCE
I, N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10
National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10
Date FENOC Signed Q.C.
CERTIFICATE OF INSERVICE INSPECTION
I       N/A       holding a valid commission issued by the National Board of Boiler and Pressure Vessel         Inspectors and certificate of competency issued by the jurisdiction of <u>OHIO</u> and employed by         HSB CI       of Hartford, CI         have inspected the repair, modification or replacement described in this report on         and state that to the best of my knowledge and belief, this repair, modification or replacement has been         completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(National Based (inc) and namenia), (inspector) and jurisdictions and no.))

# Page 233 of 238

15 RFO Inservice Inspection Summary

	M NIS-2/NR-1/ <del>NVR-1</del> O As Required	WNER'S REPO			PLACE	EMENTS	
1 Owner FirstEne	rgy Corp.		Date	January 29, 2008			
_76 South	Main St., Akron, OH 4430	8	· · · ·	Sheet 1 of 1		· .	
2 Plant Davis-Be	sse Nuclear Power Station	•	Unit		#1		
5501 N. 3	5R. 2, Oak Harbor, OH 434	49		Order# 200296330	-11	».	1
	Address FirstEnergy Nuclear Opera	•	Type	Repair Organizat	on P.O. No., Jo	b No., etc.	
-	Name						-
<u>_5501 N</u>	I. SR. 2. Oak Harbor. OH 4	3449	· , A	uthorization No. 20		·	— .
		· · ·		Expiration Date _ 07/	'17/10	·	
4 Identification of Syster	ns Hanger EBB-1-SR9,	DB-SNC234	(Subsys	083-01)			
5. (a) Applicable Const	ruction Code ANSI B31.1	1967 Edition	Later	Addenda Cod	ie Case N	١٥ .	
(b) Applicable Edition	n of Section XI Utilized for Repairs	or Replacements	19 95	Edition <u>96</u>	Addenda	Code Case No	I
	bilities FirstEnergy Corp., L						
	· · · · · · · · · · · · · · · · · · ·			······································			
·	6. Identification of Comp	onents Repaired of	or Replaced a	and Replacement Cor	mponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
Snubber	Lisega Inc.	61305/122	N/A	DB-SNC234	Unk.	Replaced	No
Snubber	Lisega Inc.	04616533/014	N/A	DB-SNC234	2007	Replacement	No
	 				<u> </u>		
<u> </u>		+	<u> </u>				
	· · · · · · · · · · · · · · · · · · ·	1		h + '	· · · ·	1	· · · ·
		7. Descript	tion of Work			•	, ,
· · · · · · · · · · · · · · · · · · ·			191- 64 191-	1 . 11		04616500014	
	er (serial # 61305/122) was rej		nke for like	replacement snubber	(serial#	04616533/014).	
VT-3 visual inspecti	on was completed satisfactory			replacement snubber	(serial#	04616533/014).	
VT-3 visual inspecti	on was completed satisfactory				(serial#		······································
VT-3 visual inspecti	on was completed satisfactory				(serial#		
VT-3 visual inspecti	on was completed satisfactory				(serial#	04616533/014).	
A VT-3 visual inspecti 5.(a) cont. ANSI B31.1	on was completed satisfactory				(serial#	04616533/014).	
A VT-3 visual inspecti (a) cont. ANSI B31.1	on was completed satisfactory				(serial# /		yd: dai
A VT-3 visual inspecti 5.(a) cont. ANSI B31.1 5.(b) Content of the second secon	on was completed satisfactory & MSS-SP58 Hydrostatic No Pressure <u>N/A</u>			ninal Operating Pressure		Other No °F	vet. .da:
A VT-3 visual inspecti (a) cont. ANSI B31.1 Tests Conducted: Pressure Relief V	on was completed satisfactory & MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves:	r. ,, Pneumatic No	Norr	ninal Operating Pressure Test Temperature	⇒ No	Other No	yd: dai
A VT-3 visual inspecti .(a) cont. ANSI B31.1 Tests Conducted:	on was completed satisfactory & MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves:	r. ,, Pneumatic No	Norr	ninal Operating Pressure	⇒ No	Other No	vet. .da:
A VT-3 visual inspecti (a) cont. ANSI B31.1 Tests Conducted: Pressure Relief V Servic	on was completed satisfactory & MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves:	r. ,, Pneumatic No	Norr	ninal Operating Pressure Test Temperature	⇒ No	Other No	vet. .da:
A VT-3 visual inspecti (a) cont. ANSI B31.1 Tests Conducted: Pressure Relief V Servic Openi	on was completed satisfactory & MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves:	Pneumatic No psi	Norr	ninal Operating Pressur Test Temperature lizeN/A Nowdown (if applicable)	≥ No ¥/A 	Other No	yet. Ha
A VT-3 visual inspecti (a) cont. ANSI B31.1 Tests Conducted: Pressure Relief V Servic Openi Set Pr	on was completed satisfactory & MSS-SP58 Hydrostatic No Pressure <u>N/A</u> alves: P <u>N/A</u> ng Pressure <u>N/A</u>	Pneumatic No psi	Norr	ninal Operating Pressure Test Temperature izeN/A	≥ No ¥/A 	Other No	

FORM NIS-2/NR-1/ <del>NVR-1</del>	
Applicable Menufacturers Data Reports to be Atlancher 9. REMARKS	d .
N/A	
· ·	
CERTIFICATE OF COMPLIANCE	······································
I, <u>Richard R. Cockrell</u> , certify that the statements made in this report are correct and the repair, modifi replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspe Code "NR" rules.	cation, or action
National Board Certificate of Authorization No. 20 to use the "NR" stamp-expires 07/17/10	
Date 01-29-08 FENOC Signed Fiction R Customer O.	.C.
(name of repeir organization) (authorized representative)	
CERTIFICATE OF INSERVICE INSPECTION	
Thomas G. Laps holding a valid commission issued by the National Board of Boiler and Pressure	Vessel
nspectors and certificate of competency issued by the jurisdiction of OHIO and employed by	
<u>HSB CT</u> of <u>Hartford, CT</u> , have inspected the work described in this report on <u>JAN. 30, 2008</u> and state the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with	hat to
I of the ASME Code and the National Board Inspection Code "NR" rules.	Section
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, conci	erning th
work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner fo	or any 🖳
personal injury, property damage or loss of any kind arising from of connected with this inspection.	
Participation of the land of the second of the	
Participation of the land of the second of the	Offic si Count
Date 13008 Signed Thomas & Rope Commissions NB9330 NIA Indication Indications and real indications.	
Date 13008 Signed Thomas & Repart Commissions NB9330 NIA Indication Commissions Commissions NB9330 NIA Retional Baard (and condenterminity), and junidicitions, and rec.)	
Date 13008 Signed Thomas & Para Commissions NB9330 NIA Pational Baard (not and predictions, and re.) CERTIFICATE OF COMPLIANCE N/A , certify that to the best of my knowledge and belief the statements made in this is	report and
Date 13008 Signed Thomas & Para Commissions NB9330 NIA Patient Band (net and creatmanic), and predictions, and rec.) CERTIFICATE OF COMPLIANCE , N/A , certify that to the best of my knowledge and belief the statements made in this is porrect and the repair, modification, or replacement of the pressure relief devices described above conforms to Section	report and
Date 13008 Signed Thomas & Prove Commissions NB9330 NTA Pational Band (and and ordinamin), and predictions, and no. 3) CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statements made in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.	report an
Date 13008 Signed Thomas & Provide Action Commissions NB4330 NTA Period and predictions, and re.) CERTIFICATE OF COMPLIANCE , M/A, certify that to the best of my knowledge and belief the statements made in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10	report an
Date 13008 Signed Thomas & Provide Providence Commissions NB4330 NTA Determined Based Grad and Control Based Grad and the statements made in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10	report an
Date       13008       Signed       Signed       Frame       Commissions       NBQ330       NTA         Pational Band (nd andorrementity)       Indication       CERTIFICATE OF COMPLIANCE       Indication	report ar on XI of
Date 13008 Signed Thomas Level Commissions NB4330 NTA Period level for another memory of the pressure relief devices described above conforms to Section the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 Itational Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10	report ar on XI of
Date       13008       Signed       Signed       Frame       Commissions       NBQ330       NTA         Pational Band (nd andorremain), and paradelem, and paradelem, and an all       CERTIFICATE OF COMPLIANCE       Restored (nd andorremain), and paradelem, and an all         N/A       , certify that to the best of my knowledge and belief the statements made in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section he ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date	report ar on XI of
Date 13008 Signed Thomas I former for the pressure relief devices described above conforms to Section Additional Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Date FENOC Signed (underlifed representative)	report ar on XI of .C.
Date       13008       Signed       Signed       Signed       Signed       Signed       Signed       NTA         National Board Date free devices         CERTIFICATE OF COMPLIANCE         ,       N/A       , certify that to the best of my knowledge and belief the statements made in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section he ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date	report ar on XI of .C.
Date 13008 Signed Thomas I from I for the pressure relief devices described above conformation and end in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section he ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/10 National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/10 Date FENOC Signed 07/17/10 Date FENOC Signed 07/17/10 Date FENOC Signed 07/17/10 National Board of Boiler and Pressure negative inspection of insued by the National Board of Boiler and Pressure negative inspectors and certificate of competency issued by the jurisdiction of 0HIO and employed by HSB CI of Hartford, CT have inspected the repair, modification or replacement described in this report on	report arr on XI of .C
Date       13008       Signed       Signed       Signed       Signed       Signed       Signed       Signed       NTA         CERTIFICATE OF COMPLIANCE         ,       N/A       , certify that to the best of my knowledge and belief the statements made in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section he ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date	report arr on XI of .C
Date 13000 Signed Thomas I from Commission MB4330 NTA Determined and real modernments and real modernment and state that to the best of my knowledge and be	report arr n XI of i .C. in Vessel nas been rules.
Date       1/3008       Signed Thomas I for the pressure of the pressure of the statements made in this is and president were if the statements made in this is correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section the ASME Code and to the National Board Inspection Code "VR" and "NR" rules.         National Board Certificate of Authorization No.       316       to use the "VR" stamp expires       12/13/10         National Board Certificate of Authorization No.       20       to use the "NR" stamp expires       07/17/10         Date	C.
Date       13008       Signed	C
Date       1/30/08       Signed Thomas I for the second to second to second the second to the second to the second to second to second to second the second to the second to second the second to second the second to the second to second the second to second the second to the second to the second to second the second to second the second to the second to the second to second the second to second the second to the	C.

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DB-0070-4							
FOR	M NIS-2/NR-1/N <del>VR-1</del> -OW As Required b	/NER'S REP( by the Provisions			PLACE	MENTS	
1 Owner FirstEne	ergy Corp.		Date	July 24, 2006			_
_76 South	Main St., Akron, OH 44308			Sheet 1 of 1			
2 Plant Davis-Be	esse Nuclear Power Station		Unit	. ·	#1		
5501 N.	SR. 2, Oak Harbor, OH 4344 Address	9	-	CR-05-05569 Repair Organizati	an P.O. No., Jo	b No., stc.	·
3 Work Performed by FirstEnergy Nuclear Operating Co.			Туре	Code Stamp <u>NR</u>			
<u>_5501 N</u>	N. SR. 2, Oak Harbor, OH 43	449	Aı	uthorization No. 20	· •		
•				Expiration Date <u>07</u>	<u>17/07</u>		<b>_</b> i
4 Identification of Syste	ms DECAY HEAT REMOV	VAL SYSTEM (	Subsys 049-0	)2)			
5 (a) Applicable Cons	truction Code ASME III CL.2	1971 Edition	No Add	denda Coo	te Case N	10	
(b) Applicable Editio	n of Section XI Utilized for Repairs	or Replacements	19 <u>95</u> e	Edition <u>96</u>	Addenda	Code Case No	
(c) Design Respons	ibilities II'I GRINNELL COR	P., FIRSTENE	RGY CORP.	· · · · · ·	· · · · · · · · · · · · · · · · · · ·	·	÷.,
	6. Identification of Compo	nents Repaired	or Replaced a	nd Replacement Co	mponent	s	
Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
DH REMOVAL SYS.	III GRINNELL CORP.	N/A	N/A	N/A	1977	REPAIRED	YES
						<u>}</u>	
······							
		7. Descript				· · · · · · · · · · · · · · · · · · ·	
	P 06-0039-00. ECP 06-0039-00						
320 psig and 350 degr 18"-GCB-8 and 12"-0	ees fahrenhiet, 12"-GCB-7, 10 FCB-8.	J-GCB-7, 8"-C	JCB-7, 4 -G	CB-7, 21/2-GCB	-/, 1-0	iCB-7, 3/4"-GC	B-/,
	t original piping code data plate	s did not contain	design pressi	re/design temperatu	ne inform	nation so piping r	crate
name plates were not a	attached.		· · · · ·				
No physical work perf	ormed.						
			<u></u>				
8 Tests Conducted:	Hydrostatic No Pressure	Pneumatic No psi		inal Operating Pressure		Other No ⁰F	
Pressure Relief \	/alves:						
Servi	ce <u>N/A</u>		Si	ze <u>N/A</u>			
Oper	ing Pressure		BI	owdown (if applicable)	·		
Set F	ressure and Blowdown Adjustments	s Made Using		(Test Me	(kan)	<u> </u>	
at							
NOTE: Supplemental s	sheets in the form of lists, sketches,		(Location) e used, provide	d (1) size is 8 ½ X 11 ii	n (2) Infoi	mation in items 1 th	rough 6 on
this report is included on	each sheet, and (30 each sheet is n	umbered and the n	umber of sheet	s is recorded at the top	of this fo	m	

•	
	FORM NIS-2/NR-1/ <del>NV/R-1-</del>
	9. REMARKS
None	
·····	
······	
•	CERTIFICATE OF COMPLIANCE
I, Jeffrey M. Martin replacement of the items de Code "NR" rules	, certify that the statements made in this report are correct and the repair, modification, o ascribed above conforms to Section XI of the ASME Code and to the National Board Inspection
	of Authorization No. 20 to use the "NR" stamp expires 07/17/07
Date 7/24/06	FENOC Signed Autor Q.C.
· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF INSERVICE INSPECTION
HSB CI of <u>Hartford</u> , the best of my knowledge a	holding a valid commission issued by the National Board of Boiler and Pressure Vessel f competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>CI</u> have inspected the work described in this report on July <u>25</u> <u>acch</u> and state that to and belief, this repair, modification or replacement has been completed in accordance with Section he National Board inspection Code "NR" rules.
work described in this repor	teither the undersigned nor my employer makes any warranty, expressed or implied, concerning the tr. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any unage or loss of any kind arising from of connected with this inspection.
	<b>Q</b>
	CERTIFICATE OF COMPLIANCE
correct and the repair, mod	CERTIFICATE OF COMPLIANCE , certify that to the best of my knowledge and belief the statements made in this report an iffication, or replacement of the pressure relief devices described above conforms to Section XI of National Board Inspection Code "VR" and "NR" rules.
correct and the repair, mod he ASME Code and to the	, certify that to the best of my knowledge and belief the statements made in this report an ification, or replacement of the pressure relief devices described above conforms to Section XI of
correct and the repair, mod he ASME Code and to the National Board Certificate o	, certify that to the best of my knowledge and belief the statements made in this report ar iffication, or replacement of the pressure relief devices described above conforms to Section XI of National Board Inspection Code "VR" and "NR" rules. of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/07</u>
correct and the repair, mod he ASME Code and to the National Board Certificate o National Board Certificate o	, certify that to the best of my knowledge and belief the statements made in this report ar iffication, or replacement of the pressure relief devices described above conforms to Section XI of National Board Inspection Code "VR" and "NR" rules. of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/07</u>
correct and the repair, mod the ASME Code and to the National Board Certificate o National Board Certificate o	, certify that to the best of my knowledge and belief the statements made in this report an iffication, or replacement of the pressure relief devices described above conforms to Section XI of National Board Inspection Code "VR" and "NR" rules. of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/07</u> of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/07</u> FENOC Signed <u>Q.C.</u>
correct and the repair, mod the ASME Code and to the National Board Certificate o National Board Certificate o Date 1, N/A Inspectors and certificate of HSB CT of Hartford, C	, certify that to the best of my knowledge and belief the statements made in this report an infication, or replacement of the pressure relief devices described above conforms to Section XI of National Board Inspection Code "VR" and "NR" rules. of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/07</u> of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/07</u> <u>FENOC</u> Signed <u>Q.C.</u> (surborzed representative) CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boiler and Pressure Vessel t competency issued by the jurisdiction of <u>OHIO</u> and employed by CI have inspected the repair, modification or replacement described in this report on
correct and the repair, mod the ASME Code and to the National Board Certificate o National Board Certificate o Date , N/A nspectors and certificate of HSB CI of Hartford, C and s	, certify that to the best of my knowledge and belief the statements made in this report an infication, or replacement of the pressure relief devices described above conforms to Section XI of National Board Inspection Code "VR" and "NR" rules. of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/07</u> of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/07</u> <u>FENOC</u> Signed <u>Q.C.</u> (authorized representative) CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boiler and Pressure Vessel f competency issued by the jurisdiction of <u>OHIO</u> and employed by
correct and the repair, mod the ASME Code and to the National Board Certificate o National Board Certificate o Date	, certify that to the best of my knowledge and belief the statements made in this report an infication, or replacement of the pressure relief devices described above conforms to Section XI of National Board Inspection Code "VR" and "NR" rules. of Authorization No. 316 to use the "VR" stamp expires 12/13/07 of Authorization No. 20 to use the "NR" stamp expires 07/17/07 <u>FENOC</u> Signed <u>Q.C.</u> (submodel repair experimented) CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boiler and Pressure Vessel f competency issued by the jurisdiction of <u>OHIO</u> and employed by CI have inspected the repair, modification or replacement described in this report on state that to the best of my knowledge and belief, this repair, modification or replacement has been
the ASME Code and to the National Board Certificate of National Board Certificate of Date I, N/A Inspectors and certificate of HSB CI of Hartford, C and s completed in accordance w By signing this certificate, n repair, modification or repla	, certify that to the best of my knowledge and belief the statements made in this report an National Board Inspection Code "VR" and "NR" rules. of Authorization No. <u>316</u> to use the "VR" stamp expires <u>12/13/07</u> of Authorization No. <u>20</u> to use the "NR" stamp expires <u>07/17/07</u> <u>FENOC</u> Signed <u>Q.C.</u> (subtract representative) <u>CERTIFICATE OF INSERVICE INSPECTION</u> holding a valid commission issued by the National Board of Boiler and Pressure Vessel t competency issued by the jurisdiction of <u>OHIO</u> and employed by <u>CI</u> have inspected the repair, modification or replacement described in this report on state that to the best of my knowledge and belief, this repair, modification or replacement has been with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

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15 RFO Inservice Inspection Summary

New         Tric South Mains St, Alvana, OH 44308         Sheet 1 of 1         # Jarvis-Besse Nuclear Owner Station         Init         Sheet 1 of 1         Mark Section XD Mark Mark Mark Section XD Mark Mark Mark Mark Mark Mark	1 Owner <u>FirstEnerg</u>	As Required b				FLACE		
7.6 South Main St. Akross OH 4398       Sheet 1 of 1         2 Plant       Davis-Besse Nuclear Power Station       Unit       #1         5.501 N. SR. 2, Oak Harbor, OH 4349       ECP # 06-0039-00       Numerical Power Station         8. Work Partomed by       FirstEnergy Nuclear Operating Co.       Type Code Stamp       NR         5.501 N. SR. 2, Oak Harbor, OH 43449       ECP # 06-0039-00       Numerical Power Station       Numerical Power Station         8. Work Partomed by       FirstEnergy Nuclear Operating Co.       Type Code Stamp       NR         5.501 N. SR. 2, Oak Harbor, OH 43449       Authorization No       20         Expiration Date       07/1/707         9.1       Statistics       Decay Heat Piping       (Spools GCB-7 & GCB - 8)         5 (a) Applicable Construction Code       ASME III CL2       1971 Edition       N/A Addenda       Code Case No         (c) Design Responsibilities       First Energy Corp       -       -       -       -         6. Identification of Components       Name of Component       Name of Manufacturer       National       Other identification       Built       Repaired       ASME         Name of Component       Name of Manufacturer       Serial No       Board No       Juristiciconal No       Built       Repaired       Sameerica	•		A		Second States of			
2       Plant       Darks-Besse Nuclear Down Station       Unit       #1         5501 N. SR. 2, Oak Harbor, OH 43449       ECP # 06-0039-00         Must       FirstEnergy (Mean       Type Code Stamp       NR         3       Work Performed by       FirstEnergy (Mean       Authorization No       20         4       Identification of Systems       Decay Heat Plping       (Spools GCB-7 & GCB-8)       5         5       (a)       Applicable Construction Code       ASME III CL2       1971 Edition       N/A Addenda       Code Case No         (b)       Applicable Construction Code       ASME III CL2       1971 Edition       N/A Addenda       Code Case No         (c)       Design Responsibilities       First Energy Corp       6.       Identification of Components Repaired or Replacements       19       95       Edition       90/ Todertification/       Yes       Paparined       ASME         Name of Component       Name of Manufacturers       National       Other Identification/       Yes       Paparined       ASME         Name of Component       Name of Manufacturers       Sonith No       Board No       Board No       Sonipain Addenda       Code Case       No         Name of Component       Name of Manufacturers       Sonith No       Board No       Son	76 South M	Name		Date	May 29, 2007			<u></u>
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Work Performed by	2 Plant Davis-Besse	e Nuclear Power Station		Unit	·	#1	··· .	
Work Performed by	<u>5501 N. SR</u>	. 2, Oak Harbor, OH 4344	9	•		mPO No .h	h No. etc.	
term         Expiration Date 07/17/07         Identification of Systems Decay Heat Piping (Spools GCB-7 & GCB -8)         (a) Applicable Construction Code ASME III CL2 1971 Edition N/A Addenda Code Case No         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 95 Edition 96 Addenda Code Case No         (c) Design Responsibilities First Energy Corp         6. Identification of Components Repaired or Replaced and Replacement Components         Name of Component Name of Manufacturer Manufacturer Berlar No         Beard No         Diter (dentification N)         Veer Replaced ASME         Code Case No         Other dentification N         Built Replaced Code Case         Name of Component         Name of Manufacturer         Manufacturer Manufacturer Bearle No         Beard No         Description of Work         T. Description of Work         mplementation of ECR 06-0039-00 shall re-rate line class GCB-7, "From Motorized Valve HV DH11 to Decay Heat Pump Suction         To Description of Work         mplementation of ECR 06-0039-00 shall re-rate line class GCB-7, "From Motorized Valve HV DH11 to Decay Heat Pump Suction         To Description of Work         mplementation of ECR 06-0039-00 shall re-rate line class GCB-7, "From Motorized Valve HV DH11 to Decay Heat Pump Suction         To re-teating activities in accordance with ASME Section XI , "Inservice Inspection of Nuclear Power "1995 Editon with 1996 Addenda,         Atricle IWA-4312. A re-rated nameplate was not installed on the existing piping.         Tests Conducted: Hydrostatic No Pneumatic No Nominal Operating Pressure No Other No         Pressure N/A	3. Work Performed by _F	irstEnergy Nuclear Operat	ing Co.	Туре	•		· · · · · · · · · · · · · · · · · · ·	
Expiration Date	<u>5501 N. S</u>	SR. 2. Oak Harbor, OH 43	449	Au	uthorization No _20		·	_ 5
5 (a) Applicable Construction Code       ASME III CL.2       1971 Edition       N/A Addenda       Code Case No         (b) Applicable Edition of Section XI Utilized for Repairs or Replacements       19       95       Edition       96       Addenda       Code Case No         (c) Design Responsibilities       First Energy Corp       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	· · · · · ·	,	· . ·	۰,	Expiration Date _07/	<u>17/07</u>	·	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements       19       95       Edition       96       Addendal Code Case       No         (c) Design Responsibilities       First Energy Corp	4 Identification of Systems	Decay Heat Piping (Sp	ools GCB-7 & C	GCB -8)	·		· · · · · · · · · · · · · · · · · · ·	<u> </u>
(c) Design Responsibilities       First Energy Corp         6. Identification of Components Repaired or Replaced and Replacement Components         Name of Component       Name of Manufacturer         Serial No       Board No         Decay Heat Piping       ITT Grinnell Corp         N/A       N/A         Name of Component       Name of Manufacturer         Serial No       Board No         Decay Heat Piping       ITT Grinnell Corp         N/A       N/A         N/A       Presure Targe frame and edsign temperature of 350 d						le Case N	lo	
6. Identification of Components Replaced or Replaced and Replacement Components         Name of Component       Name of Manufacturer       Manufacturer's Serial No       National Board No       Other identification       Year Replaced or Replacement       ASME Code Stamped         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       N/A       N/A       1977       Replacement       Yes         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       N/A       1977       Replaced or Replacement       Yes         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       N/A       1977       Replacement       Yes         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       N/A       1977       Replacement       Yes         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       1977       Replaced or Code       Stamped         To bescription of Work       Ittime       Itime			or Replacements	19 <u>95</u> E	Edition <u>96</u> A	ddenda	Code Case No	)
Name of Component         Name of Manufacturer         Manufacturer's Serial No         National Board No         Other identification/ Jurisdictional No.         Year Built         Repaired Replaced or Replaced or Replaced or Replaced or Replaced or Replacement         ASME Code Stamper           Decay Heat Piping         ITI Grinnell Corp         N/A         N/A         N/A         1977         Repaired         Yes	(c) Design Responsibili							
Name of Component       Name of Manufacturer       Serial No       Board No       Jurisdictional No.       Built       Replaced or Replacement       Code Stamper         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       N/A       N/A       1977       Repaired       Yes         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       N/A       N/A       1977       Repaired       Yes         Decay Heat Piping       ITT Grinnell Corp       N/A       N/A       N/A       1977       Repaired       Yes         Tests Conducted:       Image: Stamper		6. Identification of Compo		}		nponents	3	1
7. Description of Work         mplementation of ECR 06-0039-00 shall re-rate line class GCB-7, "From Motorized Valve HV DH11 to Decay Heat Pump Suction         "iping " and GCB-8, "Decay Heat Pump Piping from and including Gate Valves DH 2733 and DH 2734" to a design         pressure of 320 PSIG and a design temperature of 350 degress F. The intent of this ECP is to document compliance with the provisions         for re-reating activities in accordance with ASME Section XI , " Inservice Inspection of Nuclear Power " 1995 Editon with 1996 Addenda,         Article IWA-4312. A re-rated nameplate was not installed on the existing piping.         a         Tests Conducted:       Hydrostatic No         Pressure N/A       psi         Pressure Relief Valves:         Service       N/A         Opening Pressure       N/A         Set Pressure and Blowdown Adjustments Made Using       N/A         (rest Meduw)       at         at       N/A         (rest Meduw)       (rest Meduw)	Name of Component	Name of Manufacturer					Replaced or	Code
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3       Tests Conducted:       Hydrostatic No       Pneumatic No       Nominal Operating Pressure No       Other No         Pressure       N/A       psi       Test Temperature       N/A       •F         Pressure Relief Valves:       Size       N/A       *         Opening Pressure       N/A       Blowdown (if applicable)       N/A         Set Pressure and Blowdown Adjustments Made Using       N/A       (Location)			ind on the oxist	nie pipine.				•
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Service     N/A     Size     N/A       Opening Pressure     N/A     Blowdown (if applicable)     N/A       Set Pressure and Blowdown Adjustments Made Using     N/A     (Test Medum)       at     N/A     (Location)	Den en en Dellef Vek		ieq		Test Temperature	VA	°F	••
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(Test Medium) at <u>N/A</u> (Location)			Mada liking		owoown (if applicable)	<u>N/A</u>		·*
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	at <u>N//</u>	A	·	() postiant	•			
	NOTE: Supplemental shee	ets in the form of lists, sketches.	or drawings may b		d (1) size is 8 ½ X 11 ir	. (2) Infor	mation in items 1 th	rough 6 or

DB-0070-4 FORM NIS-2/NR-1/NVR-1 Applicable Manufactures Data Reports to be Al 9. REMARKS N/A CERTIFICATE OF COMPLIANCE Ł Richard R. Cockrell , certify that the statements made in this report are correct and the repair, modification, or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules. 07/17/07 National Board Certificate of Authorization No. 20 to use the "NR" stamp-expires FENOC Date 05-29-07 Signed CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boiler and Pressure Vessel Iom G. Laps Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by of Hartford, CT have inspected the work described in this report on HSB CI MAN 29, 2007 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from of connected with this inspection. 0111 Signed Commissions Date ന്വവ CERTIFICATE OF COMPLIANCE N/A , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "VR" and "NR" rules. National Board Certificate of Authorization No. 316 to use the "VR" stamp expires 12/13/07 National Board Certificate of Authorization No. 20 to use the "NR" stamp expires 07/17/07 Date FENOC Sianed the CERTIFICATE OF INSERVICE INSPECTION holding a valid commission issued by the National Board of Boiler and Pressure Vessel N/A I. Inspectors and certificate of competency issued by the jurisdiction of OHIO and employed by HSB CT of Hartford, CI have inspected the repair, modification or replacement described in this report on and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection Date Signed Commissions