

Davis-Besse Nuclear Power Station 5501 North State Route 2 Oak Harbor, Ohio 43449-9760

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Docket Number 50-346

License Number NPF-3

Serial Number 2669

August 22, 2000

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

Subject: Inservice Inspection Summary Report of Twelfth Refueling Outage Activities for the Davis-Besse Nuclear Power Station - Unit 1

Ladies and Gentlemen:

In accordance with the 1986 Edition of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI, IWA-6000, enclosed is the summary report covering inservice inspection activities, repairs, and replacements completed through the end of the twelfth refueling outage at the Davis-Besse Nuclear Power Station - Unit 1.

Should you have any questions concerning this report, please contact Mr. David H. Lockwood, Manager - Regulatory Affairs, at (419) 321-8450.

Sincerely yours,

Guy C. C. glel

GMW/s

Enclosures

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Docket Number 50-346 License Number NPF-3 Serial Number 2669 Commitment List Page 1

COMMITMENT LIST

The following list identifies those actions committed to by the Davis-Besse Nuclear Power Station in this document. Any other actions discussed in the submittal represent intended or planned actions by Davis-Besse. They are described only as information and are not regulatory commitments. Please notify the Manager - Regulatory Affairs (419-321-8450) at Davis-Besse of any questions regarding this document or associated regulatory commitments.

COMMITMENTS

DUE DATE

None

N/A

ISI SUMMARY REPORT

REFUELING OUTAGE.: 12R OUTAGE START DATE: April 1, 2000 OUTAGE COMPLETION DATE: May 18, 2000 REPORTING DATE: August 15, 2000

DAVIS -BESSE NUCLEAR POWER STATION

5501 North State Route #2 Oak Harbor Ottawa County, Ohio 43449

OWNER: FIRST ENERGY CORPORATION

76 South Main St. Akron, Ohio 44308

NRC DOCKET NUMBER:50-346OPERATING LICENSE:NPF-3COMMERCIAL OPERATION:November 21, 1977

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12 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77

ABSTRACT

This report provides a summary of the Inservice Inspection nondestructive examinations, Steam Generator Tubing eddy current examinations, pressure tests, and repairs/replacements performed during Cycle 12 and the 12th Refueling Outage at the Davis Besse Nuclear Power Station.

The nondestructive examination and pressure test program was performed by First Energy Nuclear Operating Company (FENOC) and Framatone Technologies personnel from June, 1998 through May, 2000. This program is in compliance with the requirements of 10 CFR 50.55a, the 1986 Edition of the ASME Boiler and Pressure Vessel Code Section XI, and the Davis Besse Unit #1 Technical Specifications as described in the Second Ten Year Inservice Inspection Program Plan. These examinations complete the examinations required for the Second Inservice Inspection Interval.

The NDE examinations consisted of Ultrasonic (UT), Liquid Penetrant (PT), Magnetic Particle (MT), and Visual (VT-1, VT-2, VT-3). A total of 286 ASME Class 1 and 2 components were examined. This included 5 augmented examinations and 56 preservice examinations. All examinations met the acceptance criteria of ASME Section XI.

Pressure tests consisted of system leakeage, functional, inservice, and hydrostatic tests. In addition to tests conducted in accordance with the Pressure Test Program, tests were also conducted following repairs/replacements. In total, 60 ASME Class 1 and 2 pressure tests were successfully conducted.

One Hundred (100) percent of the tubing in both Once Through Steam Generators was eddy current examined. The eddy current results from the 12th Refueling Outage inspection were consistent in both number and size of indications of degradation compared to the results of the previous inspection, (April, 1998), meaning new forms of degradation are not emerging and pre-existing degradation rates are not increasing. A total of 20 tubes in Steam Generator 1-1 and 23 tubes in Steam Generator 1-2 were plugged.

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 Davis-Besse's Records Management System for review.

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

1. Owner FIRST ENERGY CORPORATION, 46 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) ______

5. Commercial Service Date <u>11/21/77</u>

7. Components Inspected

STEAM GENERATOR TUBING

Component or Manufacturer Appurtenance or Installer		Manufacturer Or Installer Serial No.	State or Providence No.	National Board No.		
OTSG 1-1	BABCOCK & WILCOX	620-0014-055-11	N/A	N-158		
OTSG 1-2	BABCOCK & WILCOX	620-0014-055-12	N/A	N-159		
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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.

FORM NIS-1 (back)

8. Examination Dates <u>APR 2000</u> to <u>APR 2000</u> 9. Inspection Interval from <u>SEPT 1990</u> to <u>SEPT 2000</u>

10. Applicable Editions of Section XI 1986 Addenda None

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

SEE 2000 EDDY CURRENT EXAMINATION REPORT

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 <u>N/A</u>

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 8-10-00 Signed FIRST ENERGY NUCLEAR OPERATING CO.

Bv	Wheeler A	Mysluef
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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>Factory Mutual Ins. Co.</u> of <u>Johnston, Rhode Island</u> have inspected the components described in this Owners' Data Report during the period <u>APRIL 2000</u> to <u>APRIL 2000</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 AUGUST 10, 2000				•
Thomas & Laps	Commissions	NB9330	NIA	Offio " Comm.
Inspector's Signature	-	National Board,	State, Province	e and No.

12 RFO Inservice Inspection Summary

First Energy Nuclear Operating, 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: 11/27/77

STEAM GENERATOR EDDY CURRENT EXAMINATION RESULTS

The tubing in the Once Through Steam Generators (OTSG's) at the Davis Besse Nuclear Power Station Unit #1 was examined in April, 2000, during the 12th Refueling Outage. The examinations were conducted by Framatone Technologies to meet the requirements of the Second Ten Year Inservice Inspection Plan and the Davis Besse Unit #1 Technical Specifications. All examinations met the requirements of techniques qualified in accordance with the PWR Steam Generator Examination Guidelines.

The eddy current examinations were performed utilizing a Bobbin Coil, a Rotating Plus Point and Pancake Coil (RPP), and a Rotating Pancake Coil (RPC). The bobbin coil technique was used to perform the standard ASME code examination for flaw detection. This technique was applied to the complete length of all in-service tubes. The rotating plus point and pancake techniques (RPP) were used to examine specific areas of interest. These areas included upper tube end roll expansion regions, tubes bordering the lane & wedge region, non-stress relieved roll transitions, lower tubesheet crevice region, and select dent locations. This technique was also used to characterize all indications reported by the bobbin technique. The pancake coil was used to provide final depth sizing of tube support plate wear indications. Both plus point and bobbin techniques were used to examine the sleeves. The rotating plus point probe was applied to the rolled regions and lower sleeve end while the bobbin probe was used to examine the unrolled portion. The rotating pancake technique was used to examine plugs.

The following examinations were performed on both Steam Generator 1-1 and Steam Generator 1-2.

- Full length bobbin examination of all in-service tubes (30,417 tubes)
- Full length bobbin examination of all sleeves (411 sleeves)
- Plus point examination of 20% of the sleeve roll expansions (83 sleeves)
- Plus point and pancake coil examination of all the non-stress relieved tube roll expansions 11 RFO re-rolls and factory re-rolls (11 tubes)
- Pancake coil examination of 20% of the hot leg roll-tube plugs (94 plugs)
- Plus point and pancake coil examination of the tubes bordering the sleeve region (164 sleeves)
- Plus point and pancake coil examination of all of the flaw-like indications reported from bobbin (1347 indications)
- Plus point and pancake coil examination of the dent/ding indications to include all those located above the 14th tube support plate and a 20% sample of the remaining population (86 dented locations)

- Pancake coil inspection of 500 lower tubesheet sludge pile region tubes of each Steam Generator (1000 tubes)
- Free-path verification for possible twisted tubes (4 tubes in Steam Generator 1-2)

The eddy current results from the 12th Refueling Outage inspection were consistent in both number and size of indications of degradation compared to the results of the previous inspection, (April, 1998), meaning new forms of degradation are not emerging and pre-existing degradation rates are not worst.

In the initial 21% random upper roll transition examination, one tube was discovered which had no roll expansion region. A re-analysis of the bobbin data for 100% of the upper and lower tube ends in both steam generators revealed 3 additional tubes which had no roll expansion.

A total of 43 tubes were removed from service (20 in Steam Generator 1-1 and 23 in Steam Generator 1-2). The majority of these tubes contained indications of volumetric inner granular attack for which no valid depth sizing technique exists.

All flaw-like indications detected during the 12th Refueling Outage were screened to determine if in situ pressure/leak testing was required per the Electric Power Research Institute (EPRI) screening methodologies. The results of the screening were that no tubes required testing and therefore no tubes were tested.

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

1. Owner FIRST ENERGY CORPORATION, 46 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 <u>11/21/77</u> 6. National Board Number for Unit <u>N/A</u>
- 7. Components Inspected

NDE EXAMINATIONS

	-			
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Providence No.	National Board No.
REACTOR VESSEL	BABCOCK & WILCOX	620-0014-51,52	N/A	N-156
OTSG 1-2	BABCOCK & WILCOX	620-0014-11	N/A	N-158
PRESSURIZER	BABCOCK & WILCOX	620-0014-59	N/A	N-157
CLASS 1 PIPING	BABCOCK & WILCOX	VARIOUS	N/A	N/A
DECAY HEAT COOLER	ATLAS INDUSTRIAL MFG.	1591	N/A	1401
CLASS 2 PIPING	IIT 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.

FORM NIS-1 (back)

8. Examination Dates JUNE 1998 to MAY 2000 9. Inspection Interval from SEPT 1990 to SEPT 2000

10. Applicable Editions of Section XI 1986 Addenda None

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

SEE 2000 INSERVICE INSPECTION REPORT

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 <u>N/A</u>

By Martal D. Skepling

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 8-10-00	Signed	FIRST ENERGY NUCLEAR
		OPERATING COMPANY

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>Factory Mutual Ins. Co.</u> of <u>Johnston, Rhode Island</u> have inspected the components described in this Owners' Data Report during the period <u>JUNE 1998</u> to <u>MAY 2000</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	AUGUST 10, 2000					
	Thomas & Leps	Commissions	NB 9330	NIA	"ohio" Comm.	
	Inspector's Signature	•	National Board, State, Province and No.			

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12 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77

NONDESTRUCTIVE EXAMINATIONS

The Nondestructive Examinations were completed by FENOC and Framatone Technologies personnel from June, 1998, to May, 2000, during Cycle 12 and the 12th Refueling Outage for the Davis Besse Nuclear Power Station Unit #1. Examinations were completed on 286 ASME Class 1 and 2 components during Cycle 12 and the 12th Refueling Outage. This included 5 augmented and 56 preservice examinations.

The majority of the preservice examinations were performed on component supports following reinstallation of snubbers upon completion of snubber testing. Preservice examinations were also performed on two modifications installed during the 12th Refueling Outage. One modification replaced the Atmospheric Vent Valves and the other installed a piping tie between the High Pressure Injection System and the discharge of the Decay Heat System.

The Second 10-Year Inservice Inspection Interval ends on September 20, 2000. The examinations performed during Cycle 12 and the 12th Refueling Outage complete the examinations required by the Second 10-Year Inservice Inspection Interval. Included in the 12th Refueling Outage was the automated examination of the Reactor Vessel. This examination was performed from the inside surface of the Reactor Vessel and was performed to the requirements of Supplements 4 and 6 to Appendix VIII of the 1995 Edition, 1996 Addenda of ASME Section XI. The manual ultrasonic examination of piping was performed using procedures and personnel qualified to Supplements 2 and 3 of Appendix VIII of the 1995 Edition, 1996 Addenda of ASME Section XI as qualified under the Performance Demonstration Initiative (PDI) Program. The remaining Class 1 and 2 examinations were performed to the 1986 Edition of ASME Section XI. The attached table summarizes the examination data for the ASME Class 1 and 2 components. No indications exceeding the acceptance standards of IWB-3000 or IWC-3000 were noted during the performance of any of these examinations. An entry in the CR Number column identifies the Condition Report used to evaluate and disposition indications.

Table IWB-2500-1, Examination Category B-L-2, Item B12.20 of the 1986 Edition of the ASME Boiler and Pressure Vessel Code requires that the internal surface of one Reactor Coolant Pump Casing receive a VT-3 visual examination during the 10-year inspection interval. FENOC requested relief from disassembling a Reactor Coolant Pump for the sole purpose of performing this VT-3 visual examination. This relief was granted provided that if one of the Reactor Coolant Pumps had not been disassembled during the 10-year inspection interval, this fact would be reported in the ISI Summary Report at the end of the interval. During the Davis-Besse Second 10-Year Inspection Interval, no Reactor Coolant Pumps were disassembled. Therefore, the VT-3 visual examination requirements of Code Item B12.20 were not performed.

10 CFR 50.55a(b)(2)(ix)(A) requires that for Class MC applications, the licensee shall evaluate the acceptability of inaccessible areas where conditions exist in accessible areas that could indicate the presence of or result in degradation to such inaccessible areas. For

each inaccessible area identified, the licensee shall provide the following in the ISI Summary Report.

- (1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation;
- (2) An evaluation of each area, and the result of the evaluation, and;
- (3) A description of necessary corrective actions.

During the 12th Refueling Outage, water seepage was noted through a Thiokol sealant barrier at the interface of the outside surface of the steel Containment Vessel and the concrete surface in the base of the Annulus. Access to the steel Containment Vessel below this point is not available as it is encased in concrete. This condition was documented in Davis-Besse Condition Report 2000-0709. The following evaluation was performed in accordance with 10 CFR 50.55a(b)(2)(ix)(A) to evaluate the acceptability of the inaccessible area of the Containment Vessel.

Type and Estimated Extent of Degradation

The moisture sealing properties of the Thiokol sealant have been reduced allowing water to seep out at the interface of the outside surface of the steel Containment Vessel and the concrete surface in the base of the annulus. This area is below the groundwater table and it is believed that the source of the water is groundwater. In order for the groundwater to arrive in the annulus, it must travel through a breach in the waterproof membrane that surrounds the containment foundation, travel through at least 3'-6" of concrete, and then travel along the concrete/Containment Vessel interface until it reaches the surface. This path reduces the hydrostatic head of the groundwater (at approximately 570 ft.), causing the water to appear as a very small seepage in a few locations at the annulus floor (elevation 562.5 ft.)

Evaluation

Wet corrosion occurs by a mechanism essentially electrochemical in nature. Electrochemical corrosion of metal takes place when an electrolyte and two electrodes, an anode and a cathode, are present. Water may serve as an electrolyte. At the anode, the metal in contact with the electrolyte changes into a positively charged particle, which goes into solution or forms an oxide film. The ease with which a metal changes to a metallic ion when it is in contact with water depends on its oxidation potential or solution pressure. If the hydrogen gas produced at the cathode is removed from the cathode by reaction with oxygen to produce water molecules or by water movement (depolarization), the corrosion process continues. Factors that influence the type and quantity of metallic corrosion are the presence of protective films, moving water, and alternate wetting and drying of the metal. Agitation or movement of water increases the corrosion rate of a metal because the oxygen supply rate to the cathode and the removal rate

> of metal ions from the anode are increased. Alternate wetting and drying tends to break up the rust or oxide film. This facilitates penetration of the film by the oxygen and water and leads to increased corrosion. Corrosion occurs at normal temperature only in the presence of both oxygen and water, both of which must be replenished continually. In a hermetically sealed container, corrosion of steel will continue only until either the oxygen or water, or both are exhausted.

The presence of water between the concrete foundation and the Containment Vessel in the inaccessible areas will not degrade the Containment Vessel any more than the exposed areas based on the following. The area that is most susceptible to corrosion is at the surface of the concrete and Containment Vessel where there is continuous moisture, moving or flowing water, and plenty of oxygen. A visual examination of this area noted that there was no noticeable differences between the area at the concrete to Containment Vessel interface and the areas immediately above the interface. This condition would bound any inaccessible areas embedded in concrete.

Microbiological Induced Corrosion (MIC) is not considered as a corrosion mechanism. Groundwater is not a likely source of MIC due to the lack of airborne or waterborne organisms. The location of the between the Containment Vessel and concrete foundation does not provide a ready food source for MIC to occur. Should MIC be occurring, it would be evident at the area of the seal where the water is open to the air. As the visual examination of this area revealed that there was no noticeable differences between the area at the concrete to Containment Vessel interface and the areas immediately above the interface, MIC does not appear to be occurring.

Description of necessary corrective actions

Based on the above, water in contact with the Containment Vessel will not degrade the Containment Vessel to an unacceptable condition. The interface between the Containment Vessel and the concrete will be injection grouted to reduce the leakage of ground water to the surface.

Detailed examination results are contained in the 2000 Inservice Inspection Report which is available for review in Davis-Besse's Records Management System.

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Exam Catego	ory Code item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-A</i>	-	E RETAINING WELDS IN REACTOR VESSEL CIRCUMFERENTIAL SHELL WELDS RC-RPV-WR-1-(LOWER) LOWER CIRCUMFERENTIAL SHELL WELD (BELTLINE REGION MK 170 TO MK 171	ர)	Yes		4/21/2000	
		RC-RPV-WR-1-(UPPER) UPPER CIRCUMFERENTIAL SHELL WELD (BELTLINE REGION) MK 169 TO MK 170	UT	Yes		4/21/2000	
		RC-RPV-WR-34 LOWER SHELL TO BOTTOM HEAD CIRCUMFERENTIAL WELD MK 171 TO MK 181	υT	Yes		4/21/2000	Relief Request RR-A19 is applicable.
	B01.021	CIRCUMFERENTIAL HEAD WELDS RC-RPV-WR-35 BOTTOM HEAD CIRCUMFERENTIAL (DISC) WELD MK 181 TO MK 6	σ	Yes		4/21/2000	Relief Request RR-A19 is applicable.
	B01.030	SHELL-TO-FLANGE WELD RC-RPV-WR-19 SHELL TO FLANGE WELD MK 169 TO MK 7	ர	Yes		4/21/2000	Relief Request RR-A20 is applicable.

Exam Catego	ory Code item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class:	1						
B-A	PRESSUR B01.040	RE RETAINING WELDS IN REACTOR VESSEL HEAD-TO-FLANGE WELD RC-RPV-WH-7 CLOSURE HEAD TO FLANGE CIRCUMFERENTIAL WELD MK 24 TO MK 22	UT MT	Yes Yes		4/22/2000 4/22/2000	Relief Request RR-A2 is applicable.
B-B	PRESSUF B02.011	RE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VES PRESSURIZER-CIRCUMFERENTIAL SHELL-TO-HEAD WELDS RC-PZR-WP-28 LOWER HEAD TO SHELL WELD MK 6 TO MK 4/40	sels Ut	Yes		4/22/2000	
	B02.012	PRESSURIZER-LONGITUDINAL SHELL-TO-HEAD WELDS RC-PZR-MK-4-40-6-WP-7-Y-LU Y-AXIS HTR. BNDL-SHELL LONGSEAM WELD ADJ.TO WP-28 MK 4 TO MK 40	UT	Yes		4/22/2000	
B-D	FULL PE B03.090	NETRATION WELDS OF NOZZLES IN VESSELS (INSPECTION PRO REACTOR VESSEL-NOZZLE-TO-VESSEL WELDS RC-RPV-WR-10/12-W/X 28 IN. W/X AXIS INLET NOZZLE TO SHELL WELD MK 182 TO MK 169	OGRAM B) UT	Yes		4/21/2000	Relief Request RR-A5 is applicable.
		RC-RPV-WR-10/12-X/Y 28 IN. X/Y AXIS INLET NOZZLE TO SHELL WELD MK 182 TO MK 169	υτ	Yes		4/21/2000	Relief Request RR-A5 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-D</i>		NETRATION WELDS OF NOZZLES IN VESSELS (INSPECTION PR REACTOR VESSEL-NOZZLE-TO-VESSEL WELDS RC-RPV-WR-10/12-Y/Z 28 IN. Y/Z AXIS INLET NOZZLE TO SHELL WELD MK 182 TO MK 169	ogram B) Ut	Yes		4/21/2000	Relief Request RR-A5 is applicable.
		RC-RPV-WR-10/12-Z/W 28 IN. Z/W AXIS INLET NOZZLE TO SHELL WELD MK 182 TO MK 169	σ	Yes		4/21/2000	Relief Request RR-A5 Is applicable.
		RC-RPV-WR-13/14/72-X 36 IN. X AXIS OUTLET NOZZLE TO SHELL WELD MK 168 TO MK 169	υT	Yes		4/21/2000	Relief Request RR-A5 and RR-A19 are applicable.
		RC-RPV-WR-13/14/72-Z 36 IN Z AXIS OUTLET NOZZLE TO SHELL WELD MK 168 TO MK 169	σ	Yes		4/21/2000	Relief Request RR-A5 and RR-A19 are applicable.
		RC-RPV-WR-54/55-W 14 IN. W AXIS CORE FLOODING NOZZLE TO SHELL WELD MK 176 TO MK 169	UT	Yes		4/21/2000	Relief Request RR-A5 is applicable.

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-D</i>		ENETRATION WELDS OF NOZZLES IN VESSELS (INSPECTION PRO REACTOR VESSEL-NOZZLE-TO-VESSEL WELDS RC-RPV-WR-54/55-Y 14 IN. Y AXIS CORE FLOODING NOZZLE TO SHELL WELD MK 176 TO MK 169	OGRAM B) UT	Yes		4/21/2000	Relief Request RR-A5 is applicable.
	B03.100	REACTOR VESSEL-NOZZLE INSIDE RADIUS SECTION RC-RPV-WR-10/12-W/X-IR 28 IN. W/X AXIS INLET NOZZLE INSIDE RADIUS MK 182	σ	Yes		4/21/2000	Relief Request RR-A5 is applicable.
		RC-RPV-WR-10/12-X/Y-IR 28 IN. X/Y AXIS INLET NOZZLE INSIDE RADIUS MK 182	UT 	Yes		4/21/2000	Relief Request RR-A5 is applicable.
		RC-RPV-WR-10/12-Y/Z-IR 28 IN. Y/Z AXIS INLET NOZZLE INSIDE RADIUS MK 182	υτ	Yes		4/21/2000	Rellef Request RR-A5 is applicable.
		RC-RPV-WR-10/12-Z/W-IR 28 IN. Z/W AXIS INLET NOZZLE INSIDE RADIUS MK 182	UT	Yes		4/21/2000	Relief Request RR-A5 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-D</i>	-	ENETRATION WELDS OF NOZZLES IN VESSELS (INSPECTION PRO REACTOR VESSEL-NOZZLE INSIDE RADIUS SECTION RC-RPV-WR-13/14/72-X-IR 36 IN. X AXIS OUTLET NOZZLE INSIDE RADIUS MK 168	DGRAM B) UT	Yes		4/21/2000	Relief Request RR-A5 is applicable.
		RC-RPV-WR-13/14/72-Z-IR 36 IN. Z AXIS OUTLET NOZZLE INSIDE RADIUS MK 168	υτ	Yes		4/21/2000	Relief Request RR-A5 is applicable.
		RC-RPV-WR-54/55-W-IR 14 IN. W AXIS CORE FLOODING NOZZLE INSIDE RADIUS MK 176	UT	Yes		4/21/2000	Relief Request RR-A5 and RR-A19 are applicable.
		RC-RPV-WR-54/55-Y-IR 14 IN. Y AXIS CORE FLOODING NOZZLE INSIDE RADIUS MK 176	σ	Yes		4/21/2000	Relief Request RR-A5 and RR-A19 are applicable.
	B03.110	PRESSURIZER-NOZZLE-TO-VESSEL WELDS RC-PZR-WP-15 10 IN. SURGE NOZZLE TO LOWER HEAD WELD MK 8 TO MK 6	σ	Yes		4/15/2000	Relief Request RR-A11 is applicable.

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-D</i>		PENETRATION WELDS OF NOZZLES IN VESSELS (INSPECTION PR PRESSURIZER-NOZZLE-TO-VESSEL WELDS RC-PZR-WP-33-Y/Z 3 IN. Y/Z AXIS RELIEF NOZZLE TO UPPER HEAD WELD MK 124 TO MK 5	OGRAM B) UT	Yes		4/10/2000	Relief Request RR-A11 is applicable.
	B03.120	PRESSURIZER-NOZZLE INSIDE RADIUS SECTION RC-PZR-WP-15-IR 10 IN. SURGE NOZZLE INSIDE RADIUS MK 8	UT	Yes		4/10/2000	
		RC-PZR-WP-33-W/X-IR 3 IN. W/X AXIS RELIEF NOZZLE INSIDE RADIUS MK 124	UТ	Yes		4/8/2000	
		RC-PZR-WP-33-Y/Z-IR 3 IN. Y/Z AXIS RELIEF NOZZLE INSIDE RADIUS MK 124	ர	Yes		4/8/2000	
		RC-PZR-WP-33-Z/W-IR 2.5 IN. Z/W AXIS RELIEF NOZZLE INSIDE RADIUS MK 31	σ	Yes		4/8/2000	

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-D</i>		PENETRATION WELDS OF NOZZLES IN VESSELS (INSPECTION PRO PRESSURIZER-NOZZLE INSIDE RADIUS SECTION RC-PZR-WP-34-IR 4 IN. SPRAY NOZZLE INSIDE RADIUS MK 9	DGRAM B) UT	Yes		4/8/2000	
	B03.130	STEAM GENERATORS (PRIMARY SIDE)-NOZZLE-TO-VESSEL V RC-SG-1-2-WG-25 36 IN. INLET NOZZLE TO UPPER HEAD WELD MK 70 TO MK 8	VELDS UT	Yes		4/28/2000	Relief Request RR-A11 is applicable.
	B03.140	STEAM GENERATORS (PRIMARY SIDE)-NOZZLE INSIDE RADIU RC-SG-1-2-WG-25-IR 36 IN. INLET NOZZLE INSIDE RADIUS MK 70	US SECTION UT	l Yes		4/28/2000	
		RC-SG-1-2-WG-50-Y/Z-IR 28 IN. Y/Z AXIS OUTLET NOZZLE INSIDE RADIUS MK 65	υτ	Yes		4/10/2000	
		RC-SG-1-2-WG-50-Z/W-IR 28 IN. Z/W AXIS OUTLET NOZZLE INSIDE RADIUS MK 65	UT	Yes		4/10/2000	

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-E</i>		RETAINING PARTIAL PENETRATION WELDS IN VESSELS CONTROL ROD DRIVE NOZZLES RC-RPV-CRD-WH-26-B52-46 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B52-46) MK 52 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B52-48 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B52-48) MK 52 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B53-51 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B53-51) MK 53 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B53-52 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B53-52) MK 53 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B53-55 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B53-55) MK 53 TO MK 24	VT-2	Yes		5/16/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class:	-						
B-E	PRESSUR B04.012	RE RETAINING PARTIAL PENETRATION WELDS IN VESSELS CONTROL ROD DRIVE NOZZLES RC-RPV-CRD-WH-26-B53-56 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B53-56) MK 53 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B54-58					
		CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B54-58) MK 54 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B54-59					
		CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B54-59) MK 54 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B54-60					
		CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B54-60) MK 54 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B54-61					
		CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B54-61) MK 54 TO MK 24	VT-2	Yes		5/16/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Numb er	Exam Date	Comments
Code Class: <i>B-E</i>		E RETAINING PARTIAL PENETRATION WELDS IN VESSELS CONTROL ROD DRIVE NOZZLES RC-RPV-CRD-WH-26-B55-62 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-62) MK 55 TO MK 24	VT-2	Yes	··	5/16/2000	
		RC-RPV-CRD-WH-26-B55-63 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-63) MK 55 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B55-64 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-64) MK 55 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B55-65 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-65) MK 55 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B55-66 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-66) MK 55 TO MK 24	VT-2	Yes		5/16/2000	

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First Energy Nuclear Operating, 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: 11/27/77

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-</i> E	-	E RETAINING PARTIAL PENETRATION WELDS IN VESSELS CONTROL ROD DRIVE NOZZLES RC-RPV-CRD-WH-26-B55-67 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-67) MK 55 TO MK 24	VT-2	Yes		5/16/2000	
		RC-RPV-CRD-WH-26-B55-68 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-68) MK 55 TO MK 24	VT-2	Yes		5/16/2000	
	ι.	RC-RPV-CRD-WH-26-B55-69 CRD NOZZLE TO CLOSURE HEAD WELD (ASSY NO. B55-69) MK 55 TO MK 24	VT-2	Yes		5/16/2000	
	B04.013	INSTRUMENTATION NOZZLES RC-RPV-INST-WR-46/77-22 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 22)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-28 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 28)	VT-2	Yes		5/16/2000	

Exam Categ	Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-E</i>		RETAINING PARTIAL PENETRATION WELDS IN VESSELS INSTRUMENTATION NOZZLES RC-RPV-INST-WR-46/77-30 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 30)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-33 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 33)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-35 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 35)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-37 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 37)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-38 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 38)	VT-2	Yes		5/16/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-E</i>		E RETAINING PARTIAL PENETRATION WELDS IN VESSELS INSTRUMENTATION NOZZLES RC-RPV-INST-WR-46/77-41 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 41)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-45 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 45)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-46 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 46)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-48 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 48)	VT-2	Yes		5/16/2000	
		RC-RPV-INST-WR-46/77-49 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 49)	VT-2	Yes		5/16/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class:	1						
B-E	PRESSURI B04.013	E RETAINING PARTIAL PENETRATION WELDS IN VESSELS INSTRUMENTATION NOZZLES RC-RPV-INST-WR-46/77-51 INSTRUMENTATION NOZZLE TO LOWER HEAD WELD (HOLE NO. 51)	VT-2	Yes		5/16/2000	
B-F	PRESSURI B05.010	E RETAINING DISSIMILAR METAL WELDS REACTOR VESSEL-NOZZLE-TO-SAFE END BUTT WELDS >= 4 RC-RPV-WR-53-W	INCHES NO	DMINAL PIPE SIZE Yes		4/21/2000	Relief Request RR-A1 and
		14 IN. W AXIS SE TO CF NOZZLE WELD MK 176 TO MK 89					RR-A22 are applicable.
		RC-RPV-WR-53-Y					
		14 IN. Y AXIS SAFE END TO NOZZLE WELD MK 176 TO MK 89	σ	Yes		4/21/2000	Relief Request RR-A1 and RR-A22 are applicable.
	B05.040	PRESSURIZER-NOZZLE-TO-SAFE END BUTT WELDS >= 4 INC	HES NOMIN	IAL PIPE SIZE			
		RC-PZR-WP-23 10 IN. SURGE NOZZLE TO SAFE END WELD MK 8 TO MK 37	UT PT	Yes Yes		4/27/2000 4/17/2000	
	B05.050	PRESSURIZER-NOZZLE-TO-SAFE END BUTT WELDS < 4 INCH	ies nomin/	AL PIPE SIZE			
		RC-PZR-WP-91-Y/Z 3 IN. Y/Z AXIS RELIEF NOZZLE TO SAFE END WELD MK 124 TO MK 125	PT	Yes		4/8/2000	

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Exam Categ	Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class; <i>B-G-1</i>		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER REACTOR VESSEL-CLOSURE HEAD NUTS RC-RPV-NUT-051 CLOSURE HEAD NUT (HOLE NO. 51) MK 26	МТ	Yes		4/24/2000	
		RC-RPV-NUT-052 CLOSURE HEAD NUT (HOLE NO. 52) MK 26	MT	Yes		4/24/2000	
		RC-RPV-NUT-053 CLOSURE HEAD NUT (HOLE NO. 53) MK 26	МТ	Yes		4/24/2000	
		RC-RPV-NUT-054 CLOSURE HEAD NUT (HOLE NO. 54) MK 26	MT	Yes		4/24/2000	
		RC-RPV-NUT-055 CLOSURE HEAD NUT (HOLE NO. 55) MK 26	MT	Yes		4/24/2000	

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: B-G-1		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER REACTOR VESSEL-CLOSURE HEAD NUTS RC-RPV-NUT-056 CLOSURE HEAD NUT (HOLE NO. 56) MK 26	MT	Yes		4/24/2000	
		RC-RPV-NUT-057 CLOSURE HEAD NUT (HOLE NO. 57) MK 26	MT	Yes		4/24/2000	
		RC-RPV-NUT-058 CLOSURE HEAD NUT (HOLE NO. 58) MK 26	MT	Yes		4/24/2000	
	-	RC-RPV-NUT-059 CLOSURE HEAD NUT (HOLE NO. 59) MK 26	МТ	Yes		4/24/2000	
		RC-RPV-NUT-060 CLOSURE HEAD NUT (HOLE NO. 60) MK 26	MT	Yes		4/24/2000	

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Exam Categ	ory Code item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-G-1</i>		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAME REACTOR VESSEL-CLOSURE STUDS, WHEN REMOVED RC-RPV-STUD-051 CLOSURE HEAD STUD (HOLE NO. 51) MK 25	ut Ut Mt	Yes Yes		4/22/2000 4/24/2000	
		RC-RPV-STUD-052 CLOSURE HEAD STUD (HOLE NO. 52) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	. [.]
		RC-RPV-STUD-053 CLOSURE HEAD STUD (HOLE NO. 53) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	
		RC-RPV-STUD-054 CLOSURE HEAD STUD (HOLE NO. 54) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	
		RC-RPV-STUD-055 CLOSURE HEAD STUD (HOLE NO. 55) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	

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Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: B-G-1		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETE REACTOR VESSEL-CLOSURE STUDS, WHEN REMOVED RC-RPV-STUD-056 CLOSURE HEAD STUD (HOLE NO. 56) MK 25	TR UT MT	Yes Yes	<u>, , , , , , , , , , , , , , , , , , , </u>	4/22/2000 4/24/2000	
		RC-RPV-STUD-057 CLOSURE HEAD STUD (HOLE NO. 57) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	
		RC-RPV-STUD-058 CLOSURE HEAD STUD (HOLE NO. 58) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	
		RC-RPV-STUD-059 CLOSURE HEAD STUD (HOLE NO. 59) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	
		RC-RPV-STUD-060 CLOSURE HEAD STUD (HOLE NO. 60) MK 25	UT MT	Yes Yes		4/22/2000 4/24/2000	

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Exam Categ	ory Code item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-</i> G-1		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER REACTOR VESSEL-CLOSURE WASHERS, BUSHINGS RC-RPV-WASHERS-051 CLOSURE HEAD WASHERS (HOLE NO. 51) MK 14/MK 27	VT-1	Yes		4/18/2000	
		RC-RPV-WASHERS-052 CLOSURE HEAD WASHERS (HOLE NO. 52) MK 14/MK 27	VT-1	Yes		4/18/2000	
		RC-RPV-WASHERS-053 CLOSURE HEAD WASHERS (HOLE NO. 53) MK 14/MK 27	VT-1	Yes		4/18/2000	
		RC-RPV-WASHERS-054 CLOSURE HEAD WASHERS (HOLE NO. 54) MK 14/MK 27	VT-1	Yes		4/18/2000	
		RC-RPV-WASHERS-055 CLOSURE HEAD WASHERS (HOLE NO. 55) MK 14/MK 27	VT-1	Yes		4/18/2000	

Exam Category Code Item		Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-G-1</i>		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER REACTOR VESSEL-CLOSURE WASHERS, BUSHINGS RC-RPV-WASHERS-056 CLOSURE HEAD WASHERS (HOLE NO. 56) MK 14/MK 27	VT-1	Yes		4/18/2000	
		RC-RPV-WASHERS-057 CLOSURE HEAD WASHERS (HOLE NO. 57) MK 14/MK 27	VT-1	Yes		4/18/2000	
		RC-RPV-WASHERS-058 CLOSURE HEAD WASHERS (HOLE NO. 58) MK 14/MK 27	VT-1	Yes		4/18/2000	
		RC-RPV-WASHERS-059 CLOSURE HEAD WASHERS (HOLE NO. 59) MK 14/MK 27	VT-1	Yes -		4/18/2000	
		RC-RPV-WASHERS-060 CLOSURE HEAD WASHERS (HOLE NO. 60) MK 14/MK 27	VT-1	Yes		4/18/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: B-G-1		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER PRESSURIZER-BOLTS AND STUDS RC-PZR-STUD-10 2.75 IN. 8UN-2A MANWAY STUD MK 67	r UT	Yes		4/10/2000	
		RC-PZR-STUD-11 2.75 IN. 8UN-2A MANWAY STUD MK 67	Л	Yes		4/10/2000	
		RC-PZR-STUD-12 2.75 IN. 8UN-2A MANWAY STUD MK 67	UT	Yes		4/10/2000	
		RC-PZR-STUD-9 2.75 IN. 8UN-2A MANWAY STUD MK 67	υī	Yes		4/8/2000	
	B06.080	PRESSURIZER-NUTS, BUSHINGS, AND WASHERS RC-PZR-NUT-10 2.75 IN. 8UN-2B MANWAY NUT MK 68	VT-1	Yes		4/8/2000	

Exam Category Code Item		Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-</i> G-1		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER PRESSURIZER-NUTS, BUSHINGS, AND WASHERS RC-PZR-NUT-11 2.75 IN. 8UN-2B MANWAY NUT MK 68	VT-1	Yes		4/8/2000	
		RC-PZR-NUT-12 2.75 IN. 8UN-2B MANWAY NUT MK 68	VT-1	Yes		4/8/2000	
		RC-PZR-NUT-9 2.75 IN. 8UN-2B MANWAY NUT MK 68	VT-1	Yes		4/8/2000	
B-G-2	PRESSUR B07.020	E RETAINING BOLTING, 2 INCHES AND LESS IN DIAMETER PRESSURIZER-BOLTS, STUDS, AND NUTS RC-PZR-HTR-BNDL-3-BLTG 16 - 2 IN. HEATER BELT STUDS/NUTS MK 75, MK 76	VT-1	Yes		4/10/2000	
	B07.050	PIPING-BOLTS, STUDS, AND NUTS RC-HEAD VENT-FLANGE BOLTING-1 8 - 1.25 IN. 12 UNF-2A BOLTS (FLANGE CONNECTION NO. 1)	VT-1	Yes		4/7/2000	

12 RFO Inservice Inspection Summary

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First Energy Nuclear Operating, 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: 11/27/77

Exam Categ	ory Code Item	Component / Description	NDE Method	E xaminat ion Ac cepta ble	CR Number	Exam Date	Comments
Code Class:	1				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
B-G-2	PRESSUR B07.050	E RETAINING BOLTING, 2 INCHES AND LESS IN DIAMETER PIPING-BOLTS, STUDS, AND NUTS RC-HEAD VENT-FLANGE BOLTING-4 8 - 1.125 IN. STUDS AND NUTS (FLANGE CONNECTION NO. 4)	VT-1	Yes		4/7/2000	
		RC-RC13B-BLTG-2					
		8 - 1.50 IN. STUDS AND NUTS (FLANGE CONNECTION NO. 2)	VT-1	Yes		4/5/2000	
	B07.070	VALVES-BOLTS, STUDS, AND NUTS					
		DH-DH23-BLTG 16 - 1.375 IN. BONNET TO BODY BLTG	VT-1	Yes		4/17/2000	
B-J	PRESSUR B09.011	E RETAINING WELDS IN PIPING CIRCUMFERENTIAL PIPE WELDS >= 4 IN. NOMINAL PIPE SIZ	_				
		CF-33B-CCA-6-3-FW30 14 IN. PIPE TO SAFE END WELD MK 89	UT	Yes		4/21/2000	AUGMENTED EXAMINATION
		CF-33B-CCA-6-4-FW17	υT	Vee		410410000	
		14 IN. PIPE TO SAFE END WELD MK 89	01	Yes		4/21/2000	AUGMENTED EXAMINATION

Exam Catego	ory Code Item	Component / Description	NDE Examination Method Acceptable		CR Number	Exam Date	Comments
Code Class: <i>B-</i> J		E RETAINING WELDS IN PIPING CIRCUMFERENTIAL PIPE WELDS >= 4 IN. NOMINAL PIPE SIZE DH-33A-CCA-4-4-SWB 8 IN. ELBOW TO PIPE WELD	UT PT	Yes Yes		4/7/2000 4/6/2000	
		DH-33A-CCA-4-F6A-FW6 12 IN. PIPE TO VALVE DH11 WELD	UT PT	Yes Yes		4/28/2000 4/24/2000	Relief Request RR-A16 is applicable. EXAMINED PER RELIEF REQUEST RR-A16.
		RC-MK-A-32-1-FW111B 28 IN. REACTOR VESSEL OUTLET NOZZLE TO PIPE WELD MK 168 TO MK 119 (WJ-1-2)	UT	Yes		4/21/2000	Relief Request RR-A1 is applicable.
		RC-MK-A-33-1-FW111A 36 IN. REACTOR VESSEL OUTLET NOZZLE TO PIPE WELD MK 168 TO MK 119 (WJ-1-1)	σ	Yes		4/21/2000	Relief Request RR-A1 is applicable.
		RC-MK-A-33-1-SW130A 36 IN. ELBOW TO PIPE WELD MK 31 TO MK 23	UT MT	Yes Yes		4/21/2000 4/15/2000	

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-J</i>		E RETAINING WELDS IN PIPING CIRCUMFERENTIAL PIPE WELDS >= 4 IN. NOMINAL PIPE SIZ RC-MK-A-81-SW5 10 IN. ELBOW TO PIPE WELD MK 80 TO MK 84	e UT PT	Yes Yes		4/27/2000 4/11/2000	
		RC-MK-B-44-1-FW56B 28 IN. PIPE TO REACTOR VESSEL INLET NOZZLE WELD MK 120 TO MK 182 (WJ-4-4)	Л	Yes		4/21/2000	Relief Request RR-A1 is applicable.
		RC-MK-B-56-1-FW113A 28 IN. PIPE TO REACTOR VESSEL INLET NOZZLE WELD MK 120 TO MK 182 (WJ-4-1)	Л	Yes		4/21/2000	Rellef Request RR-A1 is applicable.
		RC-MK-B-59-1-FW113B 28 IN. PIPE TO REACTOR VESSEL INLET NOZZLE WELD MK 120 TO MK 182 (WJ-4-3)	Л	Yes		4/21/2000	Relief Request RR-A1 is applicable.
		RC-MK-B-61-1-FW56A 28 IN. PIPE TO REACTOR VESSEL INLET NOZZLE WELD MK 120 TO MK 182 (WJ-4-2)	UT	Yes		4/21/2000	Relief Request RR-A1 is applicable.

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: B-J		E RETAINING WELDS IN PIPING CIRCUMFERENTIAL PIPE WELDS < 4 IN. NOMINAL PIPE SIZE HP-33C-CCA-2-45-FW34A 2.5 IN. ELBOW TO ELBOW WELD	UT PT	Yes Yes		4/20/2000 4/13/2000	UT IS AUGMENTED EXAMINATION.
		RC-30-CCA-8-3-FW8B 2.5 IN. FLANGE TO ELBOW WELD	PT	Yes		4/20/2000	
		RC-40-CCA-18-5-SWA 2.5 IN. ELBOW TO ELBOW WELD	PT	Yes		4/17/2000	
		RC-MK-A-112-SW6 2.5 IN. ELBOW TO PIPE WELD MK 98 TO MK 112	PT	Yes		4/17/2000	
		RC-MK-A-135-SW25 2.5 IN. ELBOW TO PIPE WELD MK 98 TO MK 135	PT	Yes		4/12/2000	

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-</i> J		RE RETAINING WELDS IN PIPING CIRCUMFERENTIAL PIPE WELDS < 4 IN. NOMINAL PIPE SIZE RC-MK-A-139-SW16 2.5 IN. ELBOW TO PIPE WELD MK 98 TO MK 139	PT	Yes		4/7/2000	
		RC-SK84-02-02-FW1B 3 IN. PIPE TO PIPE WELD	PT	Yes		4/6/2000	
		RC-SK84-02-09-FW6 2.5 IN. ELBOW TO FLANGE WELD	PT	Yes		4/7/2000	
	B09.031	BRANCH CONNECTION WELDS >= 4 IN. NOMINAL PIPE SIZE RC-MK-B-56-1-IN4 28 IN. PIPE TO 2.5 IN. BRANCH CONNECTION WELD MK 56 TO MK 46 (WJ-72)	UT MT	Yes Yes		4/22/2000 4/22/2000	Relief Request RR-A10 is applicable.
	B09.032	BRANCH CONNECTION WELDS < 4 IN. NOMINAL PIPE SIZE RC-MK-B-56-1-PS4 28 IN. PIPE TO 2.5 IN. BRANCH CONNECTION WELD MK 49 TO MK 51 (WJ-50)	UT PT	Yes Yes		4/28/2000 4/22/2000	UT IS AN AUGMENTED EXAMINATION

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: B-J		E RETAINING WELDS IN PIPING SOCKET WELDS RC-FSK-M-CCA-7-1-FW2 1.5 IN. VALVE RC51 TO PIPE WELD	РТ	Yes		4/17/2000	
		RC-FSK-M-CCA-7-1-FW34 1.5 IN. VALVE DH159 TO PIPE WELD	РТ	Yes		4/13/2000	
B-L-1	<i>PREŠŠURI</i> B12.010	E RETAINING WELDS IN PUMP CASING PUMPS-PUMP CASING WELDS RC-RCP-1-1-1-WELD PUMP CASING WELD	VT-2	Yes		5/16/2000	Relief Request RR-A8 is applicable.
		RC-RCP-1-1-2-WELD PUMP CASING WELD	VT-1 VT-2	Yes Yes		4/13/2000 5/16/2000	Relief Request RR-A8 is applicable.
		RC-RCP-1-2-1-WELD PUMP CASING WELD	VT-2	Yes		5/16/2000	Relief Request RR-A8 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-L-</i> 1	-	E RETAINING WELDS IN PUMP CASING PUMPS-PUMP CASING WELDS RC-RCP-1-2-2-WELD PUMP CASING WELD	VT-2	Yes		5/16/2000	Relief Request RR-A8 is applicable.
B-M-2	<i>VALVE BC</i> B12.050	DDIES VALVES-VALVE BODIES EXCEEDING 4 INCHES NOMINAL PIP DH-DH23-SURFACES 8 IN. 1500# BB GATE VALVE INTERNAL SURFACES	YE SIZE VT-3	Yes		4/17/2000	
B-N-1	<i>INTERIOR</i> B13.010	OF REACTOR VESSEL REACTOR VESSEL-VESSEL INTERIOR RC-RPV-INTERIOR VESSEL INTERIOR	VT-3	Yes		4/22/2000	
B-N-2	INTEGRAL B13.060	LY WELDED CORE SUPPORT STRUCTURES AND INTERIOR AT REACTOR VESSEL (PWR)-INTERIOR ATTACHMENTS BEYOND RC-RPV-WR-3/49-1 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 1 MK 16 TO MK 171			ESSEL	4/22/2000	
		RC-RPV-WR-3/49-10 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 10MK 16 TO MK 171	VT-3	Yes		4/22/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-N-2</i>		LY WELDED CORE SUPPORT STRUCTURES AND INTERIOR AT REACTOR VESSEL (PWR)-INTERIOR ATTACHMENTS BEYOND RC-RPV-WR-3/49-11 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 11MK 16 TO MK 171	TACHMENT DELTLINE VT-3	S TO REACTOR VI REGION Yes	ESSEL	4/22/2000	
		RC-RPV-WR-3/49-12 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 12MK 16 TO MK 171	VT-3	Yes		4/22/2000	
		RC-RPV-WR-3/49-2 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 2 MK 16 TO MK 171	VТ-3	Yes		4/22/2000	
		RC-RPV-WR-3/49-3 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 3 MK 16 TO MK 171	VT-3	Yes		4/22/2000	
		RC-RPV-WR-3/49-4 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 4 MK 16 TO MK 171	VT-3	Yes		4/22/2000	

Commercial Service Date: 11/27/77

Exam Catego	o ry		NDE	Examination	CR	Exam	
	Code Item	Component / Description	Method	Acceptable	Number	Date	Comments
Cod o Class: <i>B-N-2</i>	-	LY WELDED CORE SUPPORT STRUCTURES AND INTERIOR AT REACTOR VESSEL (PWR)-INTERIOR ATTACHMENTS BEYONI RC-RPV-WR-3/49-5 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 5 MK 16 TO MK 171			ESSEL	4/22/2000	
		RC-RPV-WR-3/49-6 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 6 MK 16 TO MK 171	VT-3	Yes		4/22/2000	
		RC-RPV-WR-3/49-7 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 7 MK 16 TO MK 171	VT-3	Yes		4/22/2000	
		RC-RPV-WR-3/49-8 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 8 MK 16 TO MK 171	VT-3	Yes		4/22/2000	
		RC-RPV-WR-3/49-9 INTERNAL GUIDE LUG TO SHELL ATTACHMENT WELD NO. 9 MK 16 TO MK 171	VT-3	Yes		4/22/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>B-N-3</i>	REMOVAL	BLE CORE SUPPORT STRUCTURES					
	B13.070	REACTOR VESSEL (PWR)-CORE SUPPORT STRUCTURE RC-RPV-CORE SUPPORT ASSEMBLY VESSEL CORE SUPPORT STRUCTURE	VT-3	Yes		4/22/2000	
Code Class:	2						
С-А	PRESSUR C01.010	E RETAINING WELDS IN PRESSURE VESSELS SHELL CIRCUMFERENTIAL WELDS DH-COOLER-1-1-WELD G SHELL TO FLANGE WELD	υT	Yes		4/3/2000	Relief Request RR-B1 is applicable.
		SP-SG-1-2-WG-8-3					
		NOZZLE BELT TO SHELL WELD MK 3 TO MK 2	UT	Yes		5/1/2000	
		SP-SG-1-2-WG-8-4					
		SHELL TO SHELL WELD MK 5 TO MK 6	UT	Yes		5/1/2000	
С-В	PRESSUR C02.021	E RETAINING NOZZLE WELDS IN VESSELS NOZZLE-TO-SHELL (OR HEAD) WELD > 1/2 IN. NOMINAL THI SP-SG-1-2-WG-23-W/X	CKNESS WIT	THOUT REINFORC	NG PLATE	4/28/2000	
		24 IN. W/X AXIS STEAM OUTLET NOZZLE TO SHELL WELD MK 14 TO MK 3	MT	Yes		4/28/2000	

Exam Categ	ory Code item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class:	2						
С-В	PRESSURI C02.021	E RETAINING NOZZLE WELDS IN VESSELS NOZZLE-TO-SHELL (OR HEAD) WELD > 1/2 IN. NOMINAL THIC SP-SG-1-2-WG-23-XY 24 IN. XY AXIS STEAM OUTLET NOZZLE TO SHELL WELD MK 14 TO MK 3	CKNESS WIT UT MT	THOUT REINFORC Yes Yes	ING PLATE	4/28/2000 4/27/2000	
	C02.022	NOZZLE INSIDE RADIUS SECTION > 1/2 IN. NOMINAL THICKN	iess witho	UT REINFORCING	PLATE		
		SP-SG-1-2-WG-23-W/X-IR 24 IN. W/X AXIS STEAM OUTLET NOZZLE INSIDE RADIUS MK 14	UT	Yes		4/28/2000	
		SP-SG-1-2-WG-23-X/Y-IR					
		24 IN. X/Y AXIS STEAM OUTLET NOZZLE INSIDE RADIUS MK 14	UT	Yes		4/28/2000	
c-c	INTEGRAL C03.020	ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES PIPING-INTEGRALLY WELDED ATTACHMENTS	r				
		FW-7-EBB-3-9-SR24A-AW 14 IN. PIPE SUPPORT ATTACHMENT WELD	MT	Yes		4/24/2000	Relief Request RR-A14 is applicable.
		FW-7-EBB-3-SG2-SP8-AW	107	Vee		4 107 10000	
		14 IN. PIPE SUPPORT ATTACHMENT WELD MK 130 TO MK 121	МТ	Yes		4/27/2000	Relief Request RR-A14 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: C-C		L ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES PIPING-INTEGRALLY WELDED ATTACHMENTS HP-33C-CCB-2-H18-AW 4 IN. PIPE SUPPORT ATTACHMENT WELD	РТ	Yes		4/5/2000	Relief Request RR-A14 is applicable.
		MS-3A-EBB-1-28-SR19-AW 36 IN. PIPE SUPPORT ATTACHMENT WELD	МТ	Yes		4/6/2000	Relief Request RR-A14 is applicable.
	C03.20A	THIN WALL PIPING INTEGRALLY WELDED ATTACHMENTS CS-34-GCB-5-H19-AW 8 IN. PIPE SUPPORT ATTACHMENT WELD	рт	Yes		4/1/2000	Relief Request RR-A14 is applicable.
		DH-33A-GCB-8-H13-AW 12 IN. PIPE SUPPORT ATTACHMENT WELD	РТ	Yes		4/12/2000	Rellef Request RR-A14 is applicable.
		DH-33B-GCB-1-H25-AW 10 IN. PIPE SUPPORT ATTACHMENT WELD	РТ	Yes		4/1/2000	Relief Request RR-A14 is applicable.

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: C-C		ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES THIN WALL PIPING INTEGRALLY WELDED ATTACHMENTS HP-33A-GCB-4-H6-AW 6 IN. PIPE SUPPORT ATTACHMENT WELD	PT	Yes		4/5/2000	Relief Request RR-A14 is applicable.
С-Д	PRESSUR C04.030	E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER PUMPS-BOLTS AND STUDS HP-PUMP-1-2-STUD-001 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 1	ហ	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-002 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 2	UT	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-003 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 3	υτ	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-004 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 4	σ	Yes		3/8/2000	

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>C-D</i>		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER PUMPS-BOLTS AND STUDS HP-PUMP-1-2-STUD-005 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 5	R UT	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-006 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 6	υī	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-007 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 7	υτ	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-008 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 8	ហ	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-009 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 9	ர	Yes		3/8/2000	

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>C-D</i>		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER PUMPS-BOLTS AND STUDS HP-PUMP-1-2-STUD-010 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 10	ł UT	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-011 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 11	UT	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-012 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 12	UT	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-013 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 13	UT	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-014 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 14	UT	Yes		3/8/2000	

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Inservice Inspection Abstract of ASME Class 1 and Class 2 Examinations 12th Refueling Outage

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: C-D		E RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER PUMPS-BOLTS AND STUDS HP-PUMP-1-2-STUD-015 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 15	r UT	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-016 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 16	υτ	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-017 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 17	σ	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-018 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 18	σ	Yes		3/8/2000	
		HP-PUMP-1-2-STUD-019 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 19	ŬΤ	Yes		3/8/2000	

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Inservice Inspection Abstract of ASME Class 1 and Class 2 Examinations 12th Refueling Outage

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>C-D</i>		RE RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER PUMPS-BOLTS AND STUDS HP-PUMP-1-2-STUD-020 2.25 IN. DIA. PUMP COVER TO CASE STUD AT HOLE NO. 20	r UT	Yes		3/8/2000	
C-F-1	PRESSU C05.011	RE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL OR HIG CIRCUMFERENTIAL PIPE WELDS >= 3/8 IN. NOMINAL WALL 1 DH-33B-CCB-6-2-FW2 10 IN. ELBOW TO ELBOW WELD				4/27/2000 4/22/2000	Relief Request RR-B4 is applicable.
	C05.021	CIRCUMFERENTIAL PIPE WELDS > 1/5 IN. NOMINAL WALL TH HP-33C-CCB-2-12-SWC 4 IN. PIPE TO ELBOW WELD	HCKNESS UT PT	Yes Yes		4/20/2000 3/31/2000	Relief Request RR-B4 is applicable.
		HP-33C-CCB-2-21-SWC 2.5 IN. ELBOW TO PIPE WELD	UT PT	Yes Yes		4/23/2000 4/22/2000	Relief Request RR-B4 is applicable.
		HP-33C-CCB-2-25-SWA 2.5 IN. PIPE TO ELBOW WELD	UT PT	Yes Yes		4/21/2000 4/11/2000	Relief Request RR-B4 is applicable.

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12 RFO Inservice Inspection Summary

First Energy Nuclear Operating, 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: 11/27/77

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Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: 2 C-F-1		RE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL CIRCUMFERENTIAL PIPE WELDS > 1/5 IN. NOMINAL W HP-4-CCB-2-FW161 2.5 IN. PIPE TO ELBOW WELD		IPING Yes Yes		4/22/2000 4/20/2000	Relief Request RR-B4 is applicable. PRESERVICE EXAMINATION
	C05.041	CIRCUMFERENTIAL PIPE BRANCH CONNECTION WEL HP-33C-CCB-2-14-SWB 4 IN. PIPE TO 4 X 2 SOCKOLET WELD	DS > 2 IN. NOMINA PT	L BRANCH PIPE S Yes	SIZE	4/3/2000	
C-F-2	PRESSUI C05.051	RE RETAINING WELDS IN CARBON OR LOW ALLOY STEE CIRCUMFERENTIAL PIPE WELDS >= 3/8 IN. NOMINAL AF-6C-EBB-4-7-FW52 6 IN. ELBOW TO PIPE WELD		FOR PIPING >NP: Yes Yes	54	4/6/2000 4/3/2000	
		FW-7-EBB-3-4-SWH 14 IN. PIPE TO ELBOW WELD	UT MT	Yes Yes		4/27/2000 4/22/2000	
		MS-3A-EBB-1-14-SWB 26 IN. PIPE TO ELBOW WELD	UT MT	Yes Yes		4/27/2000 4/24/2000	

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Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: C-F-1	_	RE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL OR H CIRCUMFERENTIAL PIPE WELD < 3/8 IN. & > 1/5 IN. NOMINA CS-34-GCB-5-18-SWA 8 IN. TEE TO ELBOW WELD			NG > NPS 4	4/3/2000 4/5/2000	Relief Request RR-B4 is applicable.
		CS-34-GCB-5-8-SWC 8 IN. ELBOW TO PIPE WELD	UT PT	Yes Yes		4/10/2000 3/31/2000	Relief Request RR-B4 is applicable.
		DH-33A-GCB-8-3-SWB 18 IN. ELBOW TO 18 X 12 CONCENTRIC REDUCER WELD	UT PT	Yes Yes		3/31/2000 3/29/2000	Relief Request RR-B4 is applicable.
		DH-33A-GCB-8-6A-SWF 12 IN. PIPE TO FLANGE WELD	UT PT	Yes Yes		4/22/2000 4/5/2000	Relief Request RR-B4 is applicable.
		DH-33B-GCB-1-3-SWB 10 IN. ELBOW TO ELBOW WELD	UT PT	Yes Yes		4/5/2000 3/29/2000	Relief Request RR-B4 is applicable.

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Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: C-F-1	_	RE RETAINING WELDS IN AUSTENITIC STAINLESS STEL CIRCUMFERENTIAL PIPE WELD < 3/8 IN. & > 1/5 IN. I DH-33B-GCB-10-1-SWA 10 IN. FLANGE TO ELBOW WELD			NG > NPS 4	4/5/2000 3/30/2000	Relief Request RR-B4 i applicable.
		DH-33B-GCB-10-19-SWD 10 IN. ELBOW TO PIPE WELD	UT PT	Yes Yes		4/13/2000 3/31/2000	Relief Request RR-B4 applicable.
	PRESSUR C05.11B	RE RETAINING WELDS IN AUSTENITIC STANINLESS ST CIRCUMFERENTIAL PIPE WELD <= 1/5 IN. NOMINAL HP-33A-GCB-4-4-FW32 6 IN. ELBOW TO HP PUMP INLET NOZZLE WELD		OR PIPING > NPS Yes	4	3/29/2000	Relief Request RR-B4, applicable.
	PRESSUR C05.21A	RE RETAINING WELDS IN AUSTENITIC STAINLESS STEL CIRCUMFERENTIAL PIPE WELD < 1/5 IN. NOMINAL V HP-35-HCC-21-5-SWB PIPE TO ELBOW WELD			2 AND <= NP\$	3 4 4/25/2000	Relief Request RR-B4 applicable.
		HP-4-GCB-11-FW76 4 IN. PIPE TO FLANGE WELD	РТ	Yes		4/8/2000	Rellef Request RR-B4 applicable.

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Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>C-F-2</i>		E RETAINING WELDS IN CARBON OR LOW ALLOY STEE CIRCUMFERENTIAL PIPE WELDS < 3/8 IN. NOMINAL W MS-3A-EBB-2-1-SWB 6 IN. ELBOW TO PIPE WELD		DR PIPING > NPS Yes Yes	4	4/7/2000 4/7/2000	Relief Request RR-B4 is applicable.
		MS-3A-EBB-2-7-SWA 6 IN. PIPE TO ELBOW WELD	МТ	Yes		4/6/2000	
C-G	PRESSUR C06.020	E RETAINING WELDS IN PUMPS AND VALVES VALVES-VALVE BODY WELDS MS-PV-ICS11A-WELD H VALVE ICS11A BODY WELD	РТ	Yes		3/5/2000	PRESERVICE EXAMINAT
		MS-PV-ICS11A-WELD I VALVE ICS11A BODY WELD	РТ	Yes		3/5/2000	PRESERVICE EXAMINAT
		MS-PV-ICS11A-WELD J VALVE ICS11A BODY WELD	PT	Yes		3/5/2000	PRESERVICE EXAMINAT

Inservice Inspection Abstract of ASME Class 1 and Class 2 Examinations

12th Refueling Outage

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: C-G		E RETAINING WELDS IN PUMPS AND VALVES VALVES-VALVE BODY WELDS MS-PV-ICS11A-WELD K VALVE ICS11A BODY WELD	PT	Yes		3/5/2000	PRESERVICE EXAMINATION
		MS-PV-ICS11B-WELD H VALVE ICS11A BODY WELD	PT	Yes		3/4/2000	PRESERVICE EXAMINATION
		MS-PV-ICS11B-WELD I VALVE ICS11A BODY WELD	PT	Yes		3/4/2000	PRESERVICE EXAMINATION
		MS-PV-ICS11B-WELD J VALVE ICS11A BODY WELD	PT	Yes		3/4/2000	PRESERVICE EXAMINATION
		MS-PV-ICS11B-WELD K VALVE ICS11A BODY WELD	PT	Yes		3/4/2000	PRESERVICE EXAMINATION

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	1 <i>SUPPORTS</i> F01.010	CLASS 1 PIPING SUPPORTS DH-33C-CCA-4-H10 NONWELDED HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		RC-30-CCA-8-H4 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		5/8/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		RC-40-CCA-18-H1 RIGID SUPPORT	VT-3	Yes		4/10/2000	Relief Request RR-A9 is applicable.
		RC-FSK-M-CCA-7-1-H1 RIGID SUPPORT	VT-3	Yes		4/13/2000	Relief Request RR-A9 is applicable.
		RC-FSK-M-CCA-7-1-H4 RIGID SUPPORT	VT-3	Yes		4/13/2000	Relief Request RR-A9 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	1 SUPPORTS F01.010	CLASS 1 PIPING SUPPORTS RC-FSK-M-CCA-7-1-PS-H25 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/10/2000	Relief Request RR-A9 is applicable.
		RC-M1170-H2 HYDRAULIC SNUBBER SUPPORT	VТ-3 VТ-3	Yes Yes		5/6/1999 5/4/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		RC-M1170-H3 HYDRAULIC SNUBBER SUPPORT	V Т-3	Yes		5/4/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		RC-M1170-H4 RIGID SUPPORT/HYDRAULIC SNUBBER	VT-3	Yes		5/4/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		RC-MK-A-103-PS-H37 HYDRAULIC SNUBBER SUPPORT	VТ-3	Yes		5/4/2000	Rellef Request RR-A9 is applicable. PRESERVICE EXAMINATION

Exam Catego	ory Code Item	Component / Description	NDE M e thod	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: <i>F-A</i>	1 SUPPORTS F01.010	CLASS 1 PIPING SUPPORTS RC-MK-A-135-PS-H36 HYDRAULIC SNUBBER SUPPORT	VТ-3 VТ-3	Yes Yes		5/6/1999 5/4/2000	Relief Request RR-A9 is applicable. PRESERVIC EXAMINATION
		RC-MK-A-83-PSU-R1 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVIC EXAMINATION
		RC-MK-A-83-PSU-R2 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVIC EXAMINATION
Code Class:	2	RC-MK-A-83-PSU-R3 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVIC EXAMINATION
ţ	F01.020	CLASS 2 PIPING SUPPORTS AF-6C-EBB-4-H15 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVIC EXAMINATION

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.020	CLASS 2 PIPING SUPPORTS DH-33B-CCB-6-H12 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		9/22/1998	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		DH-33B-CCB-6-H2 HYDRAULIC SNUBBER SUPPORT	VT-3 VT-3	Yes Yes		9/22/1998 4/15/2000	Relief Request RR-A9 Is applicable. PRESERVICE EXAMINATION
		FW-7-EBB-3-2-SR23 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		FW-7-EBB-3-5-SR20 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		FW-7-EBB-3-5-SR21 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		7/1/1998	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.020	CLASS 2 PIPING SUPPORTS FW-7-EBB-3-8-SR25D HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		FW-7-EBB-3-9-SR24A HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		FW-7-EBB-3-9-SR25A HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/19/2000	Relief Request RR-A9 is applicable. SNUBBER RE-INSPECTED BY DAVIS-BESSE QC AND FOUND SATISFACTORY.
		FW-7-EBB-3-SG2-SP8 RIGID SUPPORT	VT-3	Yes		4/24/2000	Relief Request RR-A9 is applicable.
		HP-33C-CCB-2-H18 RIGID SUPPORT	VT-3	Yes		4/1/2000	Rellef Request RR-A9 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.020	CLASS 2 PIPING SUPPORTS HP-33C-CCB-2-H30 RIGID SUPPORT	VT-3	Yes		4/5/2000	Relief Request RR-A9 is applicable.
		HP-33C-CCB-2-H47 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/28/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		HP-ANCHOR-A056 ANCHOR SUPPORT	VT-3	Yes		4/26/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		HP-M2518-H1 NON-WELDED RIGID SUPPORT	VT-3	Yes		5/1/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		HP-M2518-H2 NON-WELDED RIGID SUPPORT	VT-3	Yes		4/26/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION

Exam Catego	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.020	CLASS 2 PIPING SUPPORTS HP-M2518-H3 NON-WELDED RIGID SUPPORT	VT-3	Yes		4/26/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		HP-M2518-H4 NON-WELDED RIGID SUPPORT	VT-3	Yes		4/26/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		HP-M2518-H5 NON-WELDED RIGID SUPPORT	VT-3	Yes		4/26/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		HP-M2518-H6 NON-WELDED RIGID SUPPORT	VT-3	Yes		5/9/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		MS-3A-EBB-1-11-SR2 RIGID SUPPORT	VT-3	Yes		4/24/2000	Relief Request RR-A9 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.020	CLASS 2 PIPING SUPPORTS MS-3A-EBB-1-15-SR4 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/22/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		MS-3A-EBB-1-17-H5 VARIABLE SPRING SUPPORT	VT-3	Yes		4/17/2000	Relief Request RR-A9 is applicable.
		MS-3A-EBB-1-17-SR8 HYDRAULIC SNUBBER SUPPORT	∨т-з	Yes		4/29/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		MS-3A-EBB-1-20-SR11 HYDRAULIC SNUBBER SUPPORT	VТ-3 VТ-3	Yes Yes		3/31/1999 4/28/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		MS-3A-EBB-1-28-SR19 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/5/2000	Relief Request RR-A9 is applicable.

Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.020	CLASS 2 PIPING SUPPORTS MS-3A-EBB-1-6-SR4 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/29/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		MS-3A-EBB-1-8-SR8 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/29/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		MS-3A-EBB-1-H1 STRUT/HYDRAULIC SNUBBER SUPPORT ON VALVE ICS11A	VT-3	Yes		4/28/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
Code Class:	1	MS-3A-EBB-1-H3 STRUT/HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/28/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
	F01.040	COMPONENT SUPPORTS RC-RCP-1-2-1-SNUBBERS REACTOR COOLANT PUMP 1-2-1 SNUBBERS	VT-3	Yes		4/29/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION

Exam Catego			NDE Method	Examination	CR Number	Exam Date	Comments
	Code Item	Component / Description	Memod	Acceptable	Number	Date	Commenta
Code Class: F-A	1 SUPPORTS F01.040	COMPONENT SUPPORTS RC-RCP-1-2-2-SNUBBERS REACTOR COOLANT PUMP 1-2-2 SNUBBERS	VT-3	Yes		4/29/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		RC-RPV-X/Y AXIS SUPPORT REACTOR VESSEL X/Y AXIS SUPPORT	VT-3	Yes		4/5/2000	Relief Request RR-A9 is applicable.
Code Class:	2						
	F01.20A	THIN WALL PIPING SUPPORTS CS-33A-HCB-3-H15 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		3/13/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		CS-34-GCB-5-H32 HYDRAULIC SNUBBER SUPPORT	VT-3 VT-3	Yes Yes		3/10/2000 4/28/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		DH-33A-GCB-8-H11 HYDRAULIC SNUBBER SUPPORT	VT-3 VT-3	Yes Yes		4/1/1999 4/15/2000	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION

Exam Catego	o ry Code item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam D ate	Comments
Code Class: F-A	2 SUPPORTS F01.20A	THIN WALL PIPING SUPPORTS DH-33A-GCB-8-H13 VARIABLE SPRING SUPPORT	VT-3	Yes		3/29/2000	Relief Request RR-A9 is applicable.
		DH-33A-GCB-8-H4 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		8/20/1998	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		DH-33B-GCB-1-H25 WELDED SWAY STRUT SUPPORT	VТ-3	Yes		3/29/2000	Relief Request RR-A9 is applicable.
		DH-33B-GCB-1-H32 NONWELDED RIGID SUPPORT	VT-3	Yes		3/29/2000	Relief Request RR-A9 is applicable.
		DH-33B-GCB-1-H4 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		9/23/1998	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION

Inservice Inspection Abstract of ASME Class 1 and Class 2 Examinations 12th Refueling Outage

Exam Categ	ory Code item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.20A	THIN WALL PIPING SUPPORTS DH-33B-GCB-10-H13 WELDED HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		4/1/1999	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		DH-33B-GCB-10-H29 WELDED HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		9/15/1998	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		DH-33B-GCB-10-H32 WELDED HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		2/25/1999	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		DH-33C-GCB-7-H3 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		3/30/2000	Relief Request RR-A9 is applicable.
		DH-ANCHOR-A059 ANCHOR SUPPORT	VT-3	Yes		3/30/2000	Relief Request RR-A9 is applicable. POST HEATU EXAMINATION

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Exam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Code Class: F-A	2 SUPPORTS F01.20A	THIN WALL PIPING SUPPORTS DH-ANCHOR-A060 ANCHOR	VT-3	Yes		3/30/2000	Relief Request RR-A9 is applicable. POST HEATUP EXAMINATION
		HP-33A-GCB-4-H6 RIGID SUPPORT	VT-3	Yes		3/30/2000	Relief Request RR-A9 is applicable.
		HP-35-HCC-21-H15 NONWELDED RIGID SUPPORT	∨т-3	Yes		4/5/2000	Relief Request RR-A9 is applicable.
		MS-3A-EBB-2-H31 HYDRAULIC SNUBBER SUPPORT	VT-3	Yes		9/18/1998	Relief Request RR-A9 is applicable. PRESERVICE EXAMINATION
		MS-ANCHOR-A004 ANCHOR	VT-3	Yes		4/5/2000	Relief Request RR-A9 is applicable.

Ex	kam Categ	ory Code Item	Component / Description	NDE Method	Examination Acceptable	CR Number	Exam Date	Comments
Co	de Cla ss : <i>F-A</i>	SUPPORTS F01.20A	THIN WALL PIPING SUPPORTS SW-41-HBB-7-H1 WELDED SWAY STRUT SUPPORT	VT-3	Yes		4/5/2000	Rellef Request RR-A9 is applicable.

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

1. Owner FIRST ENERGY CORPORATION, 46 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 <u>11/21/77</u> 6. National Board Number for Unit

N/A

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
	·			

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)

FORM NIS-1 (back)

8. Examination Dates MAY 1998 to MAY 2000 9. Insp

9. Inspection Interval from <u>SEPT 1990</u> to SEPT 2000

10. Applicable Editions of Section XI 1986 Addenda None

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

SEE ATTACHED PAGES

12. Abstract of Conditions Noted. ALL CORRECTIVE MEASURES ARE IDENTIFIED IN THE SPECIFIC TEST PACKAGES AND ARE AVAILABLE FOR REVIEW IN DAVIS-BESSE'S RECORDS MANAGEMENT SYSTEM.

13. Abstract of Corrective Measures Recommended and Taken ALL CORRECTIVE MEASURES ARE IDENTIFIED IN THE SPECIFIC TEST PACKAGES AND ARE AVAILABLE FOR REVIEW IN DAVIS -BESSE'S RECORDS MANAGEMENT SYSTEM. Certificate of Authorization No. (if applicable) <u>N/A</u> Expiration Date <u>N/A</u>

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 8-10-00 Signed FIRST ENERGY NUCLEAR OPERATING COMPANY

By Mutur D. Shepling

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>Factory Mutual Ins. Co.</u> of <u>Johnston, Rhode Island</u> have inspected the components described in this Owners' Data Report during the period <u>MAY 1998 to MAY 2000</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 AUGUST 10, 2000	Commissions	_NB933Ø	NIA	OHIO"
Inspector's Signature		National Board, St	ate, Province and	No.

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12 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77

SYSTEM PRESSURE TESTS

The following pressure tests were performed for Class 1 and 2 components from June, 1998, during the 12th Operating Cycle through the 12th Refueling Outage which was completed on May 18, 2000. Code Case N-498-1 (authorized by Relief Request RR-A15) and Code Case N-522 (authorized by Relief Request RR-B8) were utilized in the performance of these tests. These tests were performed in accordance with ASME Section XI and the Inservice Inspection Program and were performed on the dates given below. These tests do not include those associated with the repairs/replacements addressed in the Repair and Replacement Section of this report.

During the System Hydrostatic Test of the Reactor Coolant System, a incore/cable closure (flowerpot) located in the Incore Tank was observed to be leaking approximately 4 drops per minute (Condition Report 2000-1456). The top cover was re-torqued and the leakage was reduced to approximately 1 drop every 90 seconds. This leakage was found acceptable for continued service in accordance with the provisions of IWB-3142.4. The inclusion of this analysis in the ISI Summary Report fulfills the requirement of IWB-3144 that the evaluation analyses required by IWB-3142.4 be submitted to the regulatory authority having jurisdiction at the plant site.

The 1 drop every 90 seconds leakage at the incore/cable closure will contribute to the overall Reactor Coolant System leakage limits that are described in the Davis-Besse Technical Specifications. However, this leakage is so minor that it will not be noticeable in the leakage calculation required by the Technical Specifications. The leakage will be contained in the Incore Tank which has an open drain line to the Containment Sump. Leakage has occurred from the flowerpots during at least one previous occasion. No adverse affects resulted from this leakage. All of the components associated with the incore flowerpots are materials that are resistant to boric acid corrosion and further degradation. Leakage will drip into the Incore Tank which is stainless steel and also resistant to corrosion. The temperature of the leakage is not conducive to boric acid corrosion. Based on the minimal leakage and that the flowerpot and surrounding materials are resistant to boric acid corrosion, the flowerpot leakage noted is acceptable.

Test Zone	Zone Description	Test Type	Date Completed	Class
CV001	CTMT Vessel Leak Test Line (CTMT P17)	Hydrostatic	4/11/00	2
CS001	CS Pump 1-1 Suction	Hydrostatic	5/12/99	2
CS002	CS Pump 1-1 Discharge	Hydrostatic	5/12/99	2
CS004	CS Pump 1-2 Suction	Hydrostatic	11/12/98	2
CS005	CS Pump 1-2 Discharge	Hydrostatic	11/12/98	2
CV008	CTMT Purge Exhaust (CTMT P34)	Hydrostatic	6/3/98	2
CV009	CTMT Purge Supply (CTMT P33)	Hydrostatic	6/3/98	2
CV010	H2 Dilution System Exhaust (CTMT P51)	Hydrostatic	4/7/00	2
CV011	H2 Dilution Supply Train 1 (CTMT P67)	Hydrostatic	4/16/00	2

Test Zone	Zone Description	Test Type	Date Completed	Class
CV012	H2 Dilution Supply Train 2 (CTMT P69)	Hydrostatic	4/16/00	2
DR001	Station Drainage (CTMT P13)	Hydrostatic	6/3/98	2
CF003	Common Cft Vent Line (CTMT P47b)	Hydrostatic	5/23/00	2
CF004	Cft 1-2 Fill Line (CTMT P44a)	Hydrostatic	6/3/98	2
CF005	Common Cft Bleed Line (CTMT P47a)	Hydrostatic	6/3/98	2
CF006	Cft 1-1 Fill Line (CTMT P71c)	Hydrostatic	6/3/98	2
CF007	Cft 1-1 Discharge To RCS	Hydrostatic	5/26/98	2
CF008	Cft 1-2 Discharge To RCS	Hydrostatic	5/26/98	2
CF009	Cf And Dh Train 1 Injection Lines To R/X Vessel	Hydrostatic	6/5/00	
CF010	Cf And Dh Train 2 Injection Lines To R/X Vessel	Hydrostatic	5/19/00	1
DH002	Bwst Common Supply To EcCS Trains 1 & 2 Suction	Hydrostatic	1/11/00	2
DH003	Bwst Supply To EcCS #1 Suction	Hydrostatic	1/11/00	2
DH007	Bwst Supply To EcCS #2 Suction	Hydrostatic	10/5/99	2
DH008	RCS Supply To DHP 1-2	Functional	4/1/00	2
DH009	DHP 1-2 Discharge	Functional	4/9/00	2
DH012	Refuel Canal Fill (CTMT P49)	Functional	6/3/98	2
DH014	RCS To DHP Suction	Hydrostatic	6/5/00	1
DH015	RCS TO DHP SUCTION (Pressurize DH23 To DH21)	Hydrostatic	4/24/00	1
DH016	Pressurizer Spray Line	Hydrostatic	5/19/00	1
DW001	Demineralized Water Supply To CTMT (CTMT P21)	Hydrostatic	6/3/98	2
HP001	HPI Pump 1-1 Suction	Functional	10/23/98	2
HP002	HPI Pump 1-1 Discharge	Hydrostatic	10/23/98	2
MS001B	OTSG 1-1 And Ms Lines Inside Shield Bldg (Train1)	Hydrostatic	5/26/98	2
MS002B	OTSG 1-2 And Ms Lines Inside Shield Bldg (Train 2)	Hydrostatic	5/26/98	2
MS003	SG Chem Cleaning (CTMT P59)	Hydrostatic	6/3/98	2
MU001	Makeup (CTMT P14) From Letdown Coolers	Hydrostatic	6/3/98	2
MU002	Makeup (CTMT P54) From Seal Inj Filters To RCP 1-1-1	Hydrostatic	6/3/98	2

Test Zone	Zone Description	Test Type	Date Completed	Class
MU003	Makeup (CTMT P55) From Seal Inj Filters To RCP 1-1-2	Hydrostatic	6/3/98	2
MU004	Makeup (CTMT P52) From Seal Inj Filters To RCP 1-2-1	Hydrostatic	6/3/98	2
MU005	Makeup (CTMT P53) From Seal Inj Filters To RCP 1-2-2	Hydrostatic	6/3/98	2
MU006	Makeup (CTMT P56) From RCP Seal Clg To Makeup	Hydrostatic	6/3/98	2
NN001	Nitrogen Supply (CTMT P44b)	Hydrostatic	4/3/00	2
RC001H	Primary Reactor Coolant System Class 1 Pipe For Hydrostatic Test	Hydrostatic	6/5/00	1
RC001L	Primary Reactor Coolant System Class 1 Pipe For Leakage Test	Leakage	6/5/00	1
RC001N	R/X Vessel Nozzles And Penetration Welds	Hydrostatic	6/5/00	1
RC003	Sample From RCS, (CTMT P1)	Hydrostatic	6/3/98	2
RC004	From RCP Seal Cavities To Gas Radwaste, (CTMT P16)	Hydrostatic	6/3/98	2
RC005	Pressurizer Quench Tank To Circ Pump, (CTMT P48)	Hydrostatic	6/3/98	2
RC006	Quench Tank Pump To Quench Tank, (CTMT P41)	Hydrostatic	6/3/98	2
RC007	Drains To Rc Drain Tank, (CTMT P32)	Hydrostatic	6/3/98	2
RC008	Vapor Space Of Quench Tank To Sample System, (CTMT P68a)	Hydrostatic	5/23/00	2
RC009	RCP 1-1-1 Gasket Drain	Inservice	4/26/00	2
RC010	RCP 1-1-2 Gasket Drain	Inservice	4/26/00	2
RC011	RCP 1-2-1 Gasket Drain	Inservice	4/26/00	2
RC012	RCP 1-2-2 Gasket Drain	Inservice	4/26/00	2
SF001	Fuel Transfer Tube 1-1	Hydrostatic	5/9/00	2
SF002	Fuel Transfer Tube 1-2	Hydrostatic	5/9/00	2
IA001	Instrument Air (CTMT P43a)	Hydrostatic	4/3/00	2
SA001	Station Air (CTMT P42a)	Hydrostatic	4/10/00	2
SA002	SA Supply To Test CS Lower Ring Hdr	Hydrostatic	5/20/99	2
SA003	SA Supply To Test CS Upper Ring Hdr	Hydrostatic	8/13/99	2

REPAIRS AND REPLACEMENTS

The following repairs and replacements on ASME Class 1 and 2 components were performed on Davis Besse Nuclear Power Station Unit #1 since May, 1998 which marked the completion of the 11th Refueling Outage and completion of the 12th Refueling Outage in May, 2000.

The appropriate Code Data Form is attached for each of these repairs. Complete documentation for these repairs and replacements is available for review in Toledo Edison's Records Management System.

WORK ORDER #	SYSTEM	DESCRIPTION
1-97-0626-09	Main Steam	Replaced Hanger 3A-EBB-2-H31 Snubber with Like for Like Replacement.
1-97-0626-14	Decay Heat	Replaced Hanger 33B-GCB-10-H29 Snubber with Like for Like Replacement.
1-97-0626-15	Decay Heat	Replaced Hanger 33B-CCB-6-H12 Snubber with Like for Like Replacement.
1-97-0626-16	Decay Heat	Replaced Hanger 33B-GCB-1-H4 Snubber with Like for Like Replacement.
1-97-0626-17	Decay Heat	Replaced Hanger 33B-GCB-1-H38 Snubber with Like for Like Replacement.
1-97-0626-18	Decay Heat	Replaced Hanger 33A-GCB-8-H4 Snubber with Like for Like Replacement.
1-98-0463-00	Reactor Coolant	Modified Hanger PS-H36.
1-98-0558-00	Reactor Coolant	Replaced Body to Bonnet nuts on Valve RC 2.
1-98-1155-00	Reactor Coolant	Replaced Body to Bonnet nuts on Valve RC 2.
98-000039-000, 98-000423-000, & 98- 000423-001	Reactor Coolant	Rebuilt Spare Power Relief Valve and installed as Valve RC 2A.
98-000135-000	Main Steam	Replaced Hanger EBB-1-SR 11 (East) Snubber with Like for Like Replacement.
98-000139-000	Decay Heat	Replaced Hanger 33A-GCB-8-H11 Snubber with Like for Like Replacement.

WORK ORDER #	SYSTEM	DESCRIPTION
98-000140-000	Decay Heat	Replaced Hanger 33A-GCB-10-H13 Snubber with Like for Like Replacement.
98-000141-000	Decay Heat	Replaced Hanger 33A-GCB-10-H32 Snubber with Like for Like Replacement.
98-000 <u>1</u> 42-000	Decay Heat	Replaced Hanger 33B-GCB-10-H32 Snubber with Like for Like Replacement.
98-000373-000, 98-000373-003, 99- 001196-000	Reactor Coolant	Replaced Bonnet, Disc, and Body to Bonnet Studs on Valve RC 2.
98-000456-002	Decay Heat	Replaced Flange Bolting on RO 1515.
98-000718-000	Decay Heat	Replaced Safety Valve DH 4849 with Spare Valve.
98-000913-001	Main Steam	Replaced Atmospheric Vent Valve ICS 11A with New Valve and installed new Valve to Flange Bolting.
98-000914-001	Main Steam	Replaced Atmospheric Vent Valve ICS 11B with New Valve and installed new Valve to Flange Bolting.
98-001201-000	Reactor Coolant	Rebuilt Spare Pressurizer Code Safety Valve.
98-001213-000	Reactor Coolant	Replaced Pressurizer Code Safety Valve RC 13A with a Spare Valve.
98-001214-000	Reactor Coolant	Replaced Pressurizer Code Safety Valve RC 13B with a Spare Valve.
98-001710-000	Containment	Replaced Containment Vacuum Relief Valve CV 5076 with a New Valve.
99-000269-000, 99-000269-003, & 99- 000269-004	Makeup & Purfication	Replaced Bonnet and Body to Bonnet Studs on Valve MU 1A.
99-000403-000	Core Flood	Replace Stem on Valve CF 1A.
99-001162-000	Main Steam	Replaced Main Steam Safety Valves SP 17B4, SP 17B6, and SP 17B7 with re-built valves and replaced Flange Bolting on Valve SP-17B4.
99-001365-000 & 99-003279-002	Main Steam	Fabricated and Replaced Two Load Pins on Hanger EBB-1-SR4 Snubber C-224.
99-001365-000 & 99-003279-002	Main Steam	Fabricated and Replaced Two Load Pins on Hanger EBB-1-SR4 Snubber C-225.

WORK ORDER #	SYSTEM	DESCRIPTION
99-001791-001	High Pressure Injection	Replaced Body to Bonnet Bolting on Valve HP 57.
99-002640-000 & 99-002763-007	Reactor Coolant	Replaced Body to Bonnet Bolting on Valve RC 33.
99-002705-000	Reactor Coolant	Replaced Body to Bonnet Bolting on Valve RC 38.
99-002965-00	Reactor Coolant	Replaced Body to Bonnet Bolting on Valve RC 262.
99-003278-000	Main Steam	Replaced Hanger EBB-1-SR4 Snubber with Like for Like Replacement.
99-003279-000	Main Steam	Replaced Hanger EBB-1-SR4 West Bottom Snubber with Like for Like Replacement.
99-003333-000	Main Steam	Replaced Main Steam Safety Valves SP 17A5, SP 17A7, and SP 17A9 with re-built valves and replaced Flange Bolting on Valve SP-17A9.
99-003334-000	Main Steam	Replaced Main Steam Safety Valves SP 17B3, SP 17B6, and SP 17B7 with re-built valves and replaced Flange Bolting.
99-003339-000	Main Steam	Replaced Hanger EBB-1-SR4 Snubber with Like for Like Replacement.
99-003340-000	Main Steam	Replaced Hanger EBB-1-SR4 Snubber with Like for Like Replacement.
99-003398-000	Reactor Coolant	Replaced Pressurizer Code Safety Valve RC 13A with a Spare Valve.
99-003399-000	Reactor Coolant	Replaced Pressurizer Code Safety Valve RC 13B with a Spare Valve.
99-003666-000	Reactor Coolant	Replace Reactor Coolant Pump 1-2 Seal Cartridge.
99-004337-008	Decay Heat	Installed new piping and four valves to tie the High Pressure Injection System to the Decay Heat System.
99-004337-009	Decay Heat	Installed supports on new piping which tied the High Pressure Injection System to the Decay Heat System.
99-005123-000	Reactor Coolant	Rebuilt Spare Pressurizer Safety Relief Valve.

WORK ORDER #	SYSTEM	DESCRIPTION
99-005147-056	Containment Spray	Replaced Hanger 33A-HCB-3-H15 Snubber with Like for Like Replacement.
99-005148-002	Auxiliary Feedwater	Replaced Hanger 6C-EBB-4-H15 Snubber with Like for Like Replacement.
99-005148-006	Reactor Coolant	Replaced Hanger PSU-R1Snubber with Like for Like Replacement.
99-005148-010	Decay Heat	Replaced Hanger 33B-CCB-6-H2 Snubber with Like for Like Replacement.
99-005148-012	Reactor Coolant	Replaced Reactor Coolant Pump Snubber RCP 3-5 with Like for Like Replacement.
99-005148-014	Reactor Coolant	Replaced Reactor Coolant Pump Snubber RCP 3-6 with Like for Like Replacement.
99-005148-016	Main Steam	Replaced Hanger EBB-1-SR8 West Snubber with Like for Like Replacement.
99-005148-018	Main Steam	Replaced Hanger EBB-1-SR8 Snubber with Like for Like Replacement.
99-005148-020	Steam Generator	Replaced Hanger EBB-5-12-H2 Snubber with Like for Like Replacement.
99-005148-026	Steam Generator	Replaced Hanger EBB-5-17-H1 Snubber with Like for Like Replacement.
99-005148-034	Main Steam	Replaced Hanger 3A-EBB-1-H1 (X) Snubber with Like for Like Replacement.
99-005148-036	Main Steam	Replaced Hanger 3A-EBB-1-H1 (Z) Snubber with Like for Like Replacement.
99-005148-038	Containment Spray	Replaced Hanger 34-GCB-5-H32 Snubber with Like for Like Replacement.
99-005148-046	Reactor Coolant	Replaced Hanger 30-CCA-8-H4 Snubber with Like for Like Replacement.
99-005149-004	Main Feedwater	Replaced Hanger EBB-3-SR24A Snubber with Like for Like Replacement.

WORK ORDER #	SYSTEM	DESCRIPTION
99-005149-006	Main Feedwater	Replaced Hanger EBB-3-SR25A Snubber with Like for Like Replacement.
99-005149-008	Main Feedwater	Replaced Hanger EBB-3-SR20 Snubber with Like for Like Replacement.
99-005149-014	Steam Generator	Replaced Hanger EBB-5-9-H1Snubber with Like for Like Replacement.
99-005149-024	Main Steam	Replaced Hanger EBB-3-SR11 West Snubber with Like for Like Replacement.
99-005152-000	Reactor Coolant	Rebuilt Spare Pressurizer Safety Relief Valve.
99-006520-001	Radiation Monitoring	Installed new line to facilitate draining of RE 4597AA.
00-000328-000	Auxiliary Feedwater	Replaced nut on Auxiliary Feedwater Header Riser #4.
00-001712-000	Main Steam	Replaced Main Steam Line #2 Warmup Isolation Valve MS 700.
Framatone Technologies Inc.	Control Rod Drives	Replaced flange bolting at cooling water manifolds for Control Rod Drives.
Framatone Technologies Inc.	Reactor Coolant	Replaced hold down bolts and split rings on Control Rod Drive to Reactor Vessel at Locations C11, D10, F8, F10 & G9.
Framatone Technologies Inc.	Steam Generator	Repaired Steam Generator #1 by rolled plugs.
Framatone Technologies Inc.	Steam Generator	Repaired Steam Generator #2 by rolled plugs.

FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S RE	PORT FO	R REPAIRS OR E Code Section XI	REPL		
1. Owner Toled	- Edison Company		Date	<u>9/23/</u> 98			
	New adison Ave., Toledo, OH 4		s	iheet 1 of <u>1</u>			
	Addum Besse Nuclear Power Stat		Jnit	#1			
	Numa I. SR 2. Oak Harbor, OH 43			MWO# 1-97-0626-09			
	ByToledo Edison C			Repair Organization P.O. (Stamp	No., Job No	., e lc.	
	I. SR 2. Oak Harbor. OH 4:		•••	lion NO20			
<u>5501 M</u>	Addiese	3443		on Date01			
*			•				
4. Identification of	Systems <u>Main Steam t</u>	o Aux. Feed Pumi	<u>98 (34-788</u>	-2-(31)			
5. (a) Applicable (Construction Code ANSI B	<u>31.1</u> Ed	ition 19 <u>67</u>	Addendum n	la	Code Case g	<u>Va</u>
(b) Applicable i	Edition of Section XI Utilize	d for Repairs or Re	placement	s 19 <u>86</u>			
(c) Design Res	ponsibilities ITT Grinnell						
			Bantagad	and Papiacomont C			
	6. Identification of Comp	onents Repaired d	r Heplaced	and Replacement C			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	ITT Grinnell	17883	n/a	A-52	n/a	Replaced	No
Snubber	ITT Grinnell	12085	n/a	A-52	n/a	Replacement	No
			<u> </u>				
				1			1
TT Colonell equipher Chi	17883 was removed and replace	7. Descript	ion of Work	()85. Replacement snubb	er 6/N 12	085	
	1-97-0515-16 and was functional						. <u></u>
			<u>.</u>				
	······································						
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>n/a</u>	Pneumatic (NO) psi		inal Operating Press est Temperature	ure (N n/a	0) Other (NC •F))
Pressure Relie	ef Valves:	-					
1				Sizen/a			
]	Opening Pressure			Blowdown (if applica	able)	n/a	
· .	Set Pressure and Blowdov	vn Adjustments Ma	ide Using_r	n/a	ot Hodium)		
,	at			Leastin)			
(2) Information in	al sheets in the form of a items 1 through 6 on th is recorded at the top of	is report is incl	or drawings uded on eac	s may be used, provi ch sheet, and (3) ea	ided (1) Rch she	; size is 8% x ll et is numbered an	d the

FORM NIS-2 /NR-1 / NVR-4-
9. REMARKS Applicable Manufacturers Data Reports to be Attached
N/A
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> - conforms to the rules of the ASME Code Section XI.
Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01
Signed
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors in the State or Province ofOhio and employed byProtection Mutual * ofPark Ridge, Illinois have inspected the components described in this Owner's Report during the periodN data toN data to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the Owner's 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.
Thrmas y Loga 10/198 Commissions National Board, State, Province and Endorsements
CERTIFICATE OF COMPLIANCE
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions.
Ceritficate of Authonization No. 316 to use the "VR" stamp expires Dec. 13, 19.98
Certificate of Authorization No to use the "NR" stamp expires July 17 2001
Nuclear Safety &
Date, 19, Signed Toledo Edison Inspection Manager Repair Organization Authorized Representative Title
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, and
certificate of competency issued by the State or Province ofOhio and employed byProtection Mutual *_
of Park Fidge, Illinois have inspected the repair, modification, or replacement described in this report
on, 19 and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 and NB-102, current editions.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this 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.
Commissions
Authorized Inspector's Signature Date National Board, State, Province and Endorsements
* Factory Mutual Engineering Association

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1. Owner Toleo	to Edison Company		Date	10/1/98			
300 M	ladison Ave., Toledo, OH 4	3652	8	heet 1 of <u>1</u>			
2. Plant Davis	-Besse Nuclear Power Sta	tion	Unit	#1			
	N. SR 2. Oak Harbor. OH 4			MWO# 1-97-0626-14		.	
3. Work Performe	d By Toledo Edison (Company T	ype Code S	NW Off 1-97-0626-14 Repair Organization P.O. J Repair Organization P.O. J	10., Job No	., eic. '	٩
	N. SR 2. Oak Harbor. OH 4			ion NO20_			
	Addreas			on Date			
4 Identification of	Systems DH REMOVA	1 COOLER 1-1 TO	•				
	-						
-	Construction Code ANSLB			Addendum <u>N</u>	A	Code Case	<u>A</u>
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	eplacements	s 19 <u>86</u>			
(c) Design Re	sponsibilities <u>ITT GRINNEL</u>	L					
	6. Identification of Com		Depleand	and Bankaamant C			
	6. Identification of Comp	onenis Repaired C		and Replacement Of			
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	A C Ste
SNUBBER	ITT GRINNELL	12036	N/A	A-77	N/A	REPLACED	
SNUBBER	ITTGRINNELL	12186	N/A	A-77	N/A	REPLACEMENT	
							
·	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	╞
·····	· ·						
	1	7. Descript			1	1	<u> </u>
	R S/N 12036 WAS REMOVED AN					MENT	
SNUBBER S/N 12186 W	AS REBUILT UNDER MWO# 1-97-	-0515-15 AND WAS FU	NCTIONALLY	TESTED SATISFACTORI	LY		
		****		<u></u>			
		Proumatic (NO)	Nom	ingl Operating Press	re (N	O) Other (NO	n -
8. Tests Conducted				inal Operating Press	rre (N N/A	O) Other (NO •F))
8. Tests Conducted	Pressure <u>NA</u>			inal Operating Press est Temperature		•))
	Pressure <u>NA</u>			•		•))
	Pressure <u>N/A</u> ief Valves:	psi		est Temperature	N/A	•F)
	Pressure <u>N/A</u> ief Valves: Service_ <u>N/A</u>	psi N/A		est Temperature SizeN/A Blowdown (if applica	N/A	•F)

		DRM NIS-2 /NR-1 / NVR-1
		9. REMARKS Applicable Manufacturere Data Reports to be Atlached
		· · ·
		· · ·
	<u> </u>	
	c	CERTIFICATE OF COMPLIANCE
The ASME COde Section AI.		correct and this <u>replacement</u> conforms to the rules of
Type Code Symbol NR	Certificate of Au	thorization No20 Expiration Date7-17-01
Signed D. W.S. Karen	Nucles	ar Safety & Inspection Manager Date 1/0// 1998
<u> </u>		
State or Province ofOhio and e	ssion issued by the mployed by P d in this Owner's Re of the Owner has p	ICATE OF INSERVICE INSPECTION National Board of Bolter and Pressure Vessel Inspectors in the Protection Mutual * of <u>Park Ridge, fillinois</u> port during the period <u>W18/47</u> to <u>10/6/46</u> , and state performed examinations and taken corrective measures imments of the ASME Code, Section XI.
By signing this certificate, neither the Insp	ector nor his emplo	yer makes any warranty, expressed or implied, concerning the er's Report. Furthermore, neither the inspector nor his employer
examinations and corrective measures de shall be liable in any manner for any cers	onal injury or propa	rty damage or a loss of any kind arising from or connected with
shie Inconcetion		
Thomas & Lana	10/1/98	Commissions NB 9330 N I A OHIO National Board, State, Province and Endorsements
Inspector's Signature	Date	National Board, State, Province and Endorsements
relief device described above conforms t	his report are correct o Section XI and Se	CERTIFICATE OF COMPLIANCE of and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as
relief device described above conforms t defined in publications NB-65 and NB-10	his report are correct to Section XI and Se 02, current editions.	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as
relief device described above conforms t defined in publications NB-65 and NB-10 Ceritticate of Authorization No. <u>316</u>	his report are correct to Section XI and Se 12, current editions. to use the "V	et and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires Dec. 13, 19.98
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	his report are correct to Section XI and Se 12, current editions. to use the "V to use the "N	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Ceritficate of Authorization No. <u>316</u>	his report are correct to Section XI and Se 12, current editions. to use the "V to use the "N	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	his report are correct to Section XI and Se 12, current editions. to use the "V to use the "N	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	his report are correc to Section XI and Se 2, current editions. to use the "Vi to use the "Ni Toledo Edison Repair Organization	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u> Date, 19, Signed	his report are correct to Section XI and Se 2, current editions. to use the "Vi to use the "Ni Toledo Edison Repair Organization	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u> Date, 19, Signed	his report are correct to Section XI and Sec 2, current editions. to use the "Vi to use the "Ni to use the "Ni Tolado Edison Reper Organization	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u> Date, 19, Signed	his report are correct to Section XI and Sec 22, current editions. to use the "Vi to use the "Ni to use the "Ni	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No Date, 19, Signed I, the undersigned, holding a valid commi certificate of competency issued by the S of <u>Park Ridge, Itinets</u> have inspecte on, 19 and state that constructed in accordance with Section X	his report are correct to Section XI and Section XI and Section XI and Sections. to use the "Ni to use the use to use the use to u	ct and the repair, modification, or replacement of the pressure action III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No Date, 19, Signed i, the undersigned, holding a valid commi- certificate of competency issued by the S of <u>Park Ridge, Minets</u> have inspecte on, 19 and state that constructed in accordance with Section X NB-102, current editions By signing this certificate, neither the ins	his report are correct to Section XI and Se 2, current editions. to use the "Vi to use the use to "Vi 	ct and the repair, modification, or replacement of the pressure ection III of the ASME Code and the National Board rules as R* stamp expires
relief device described above conforms t defined in publications NB-65 and NB-10 Certificate of Authorization No Date, 19, Signed I, the undersigned, holding a valid commis certificate of competency issued by the S of <u>Park Ridge, Illinois</u> have inspecte on, 19 and state that constructed in accordance with Section X NB-102, current editions By signing this certificate, neither the ins repair, modification or replacement desc illable in any manner for any personal inju	his report are correct to Section XI and Se 2, current editions. to use the "Vi to use the use to "Vi 	ct and the repair, modification, or replacement of the pressure section III of the ASME Code and the National Board rules as R* stamp expires
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1. OwnerToled	o Edison Company	,, <u></u> ,		10/8/98		<u></u>	
300 Ma	adison Ave., Toledo, OH 4	3652	S	heet 1 of <u>1</u>			
2. Plant Davis-	Besse Nuclear Power Sta	tion	Unit	#1		_	
<u>5501 N</u>	I. SR 2. Oak Harbor. OH 4	3449		IWO # 1-97-0626-15 Repair Organization P.O. (No. Joh Na		
3. Work Performed	By Toledo Edison (Company T	ype Code S	Stamp <u>NR</u>			
5501 N	L SR 2. Oak Harbor. OH 4	3449	Authorizat	ion N0 20_			
	Addrees		Expiration	on Date <u>7-17-01</u>			
4. Identification of	SystemsLPI LOOP 2	33B-CCB-6-H12	(A-80)				_
5 (a) Applicable (Construction Code ANSI B	31.1 Ed	ition 19 <u>67</u>	Addendum <u>N</u>	<u>/A</u>	Code Case	N
•••••	Edition of Section XI Utilize		eplacement	s 19 86			
			-piacement				
(c) Design Res	ponsibilities ITT GRINNE	<u></u>					
	6. Identification of Comp	ponents Repaired o	or Replaced	and Replacement C	ompon	ents	
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	
SNUBBER	ITT GRINNELL	24077	N/A	A-80	N/A	REPLACED	_
SNUBBER	ITT GRINNELL	15995	N/A	C8-A	N/A	REPLACEMENT	F
							-
				· · · · · · · · · · · · · · · · · · ·			-
						L	
TT CRINNELL SNUBBZE	SAN 24077 WAS REMOVED AN	7. Descript	KE-FOR-LIKE	SNUBBER S/N 15995. R	EPLACE	MENT	
	S REBUILT UNDER MWO# 1-97						
			<u>,</u>				
							_
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO)		inal Operating Press est Temperature	ure (N N/A	0) Other (Ni °F	0)
Breesure Bali	ef Valves:						
Pressure nem	Service_N/A		<u> </u>	SizeNA			
				Blowdown (if applic	able)	N/A	
	Opening Pressure Set Pressure and Blowdo				-		

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	FORM NIS-2 /NR-1 / NV	
	S. REMARKS	Applicable Manufacturers Data Reports to be Attached
/Α .		
		····
······································		
We certify that the stateme the ASME Code Section X	CERTIFICATE OF COMPLIA Ints made in the report are correct and this replacement	
		Expiration Date
		210/8 1098
Signed	Nuclear Safety & inspection Manager	
· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF INSERVICE INSP	PECTION
State or Province ofOhio have inspected the components of the best of my knowledge	commission issued by the National Board of Boiler and P and employed by <u>Protection Mutual</u> of <u>Pa</u> ascribed in this Owner's Report during the period <u>11118</u> and belief, the Owner has performed examinations and ta n accordance with the requirements of the ASME Code, S	AT to 10 8 96 , and state ken corrective measures
By signing this certificate, neither	the inspector nor his employer makes any warranty, expre sures described in the Owner's Report. Furthermore, neith ny personal injury or property damage or a loss of any kin	essed or implied, concerning the her the inspector nor his employer
his inspection		
thomas & Lops	18 8 98 Commissions NB 9330 National Board	NIA COMP. State, Province and Endorsements
	CERTIFICATE OF COMPLIA	NCE
We certify that the statements m relief device described above co defined in publications NB-65 an	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, o forms to Section XI and Section III of the ASME Code and d NB-102, current editions.	or replacement of the pressure d the National Board rules as
We certify that the statements m relief device described above co defined in publications NB-65 an	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, forms to Section XI and Section III of the ASME Code and	or replacement of the pressure d the National Board rules as
We certify that the statements m relief device described above co defined in publications NB-65 an Ceritficate of Authorization No.	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, o forms to Section XI and Section III of the ASME Code and d NB-102, current editions.	or replacement of the pressure d the National Board rules as 3, 19 <u>98</u> . 7, <u>200</u> 1
We certify that the statements m relief device described above co defined in publications NB-65 an Certificate of Authorization No Certificate of Authorization No	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, o forms to Section XI and Section III of the ASME Code and d NB-102, current editions. <u>316</u> to use the "VR" stamp expires <u>Dec. 1</u> 20 to use the "NR" stamp expires <u>July 11</u> classed Toledo Efficon	or replacement of the pressure d the National Board rules as 3, 19.98 7,2001 Nuclear Safety & inspection Manager
We certify that the statements m relief device described above co defined in publications NB-65 an Certificate of Authorization No Certificate of Authorization No	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, o forms to Section XI and Section III of the ASME Code and 1 NB-102, current editions. 316 to use the "VR" stamp expires 20 to use the "NR" stamp expires	or replacement of the pressure d the National Board rules as 13, 19 <u>98</u> . 7, <u>2001</u> Nuclear Safety &
We certify that the statements m relief device described above co defined in publications NB-65 an Certificate of Authorization No Certificate of Authorization No	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, on the section XI and Section III of the ASME Code and the NB-102, current editions. 316 to use the "VR" stamp expires	or replacement of the pressure d the National Board rules as 3, 19 <u>98</u> . 7, <u>2001</u> Nuclear Safety & Inspection Manager
We certify that the statements m relief device described above co defined in publications NB-85 an Ceritificate of Authorization No Certificate of Authorization No Date, 19	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, forms to Section XI and Section III of the ASME Code and d NB-102, current editions. <u>316</u> to use the "VR" stamp expires <u>Dec. 1</u> 20 to use the "NR" stamp expires <u>July 17</u> Signed <u>Toledo Edison</u> Hepair Organization <u>Authorized Representative</u> CERTIFICATE OF INSPECT	or replacement of the pressure d the National Board rules as 13, 19 <u>98</u> . 7, <u>2001</u> Nuclear Safety & Inspection Manager Tele
We certify that the statements m relief device described above co defined in publications NB-85 an Ceritificate of Authorization No Certificate of Authorization No Date, 19	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, on the section XI and Section III of the ASME Code and the NB-102, current editions. 316 to use the "VR" stamp expires	or replacement of the pressure d the National Board rules as 13, 19 <u>98</u> . 7, <u>2001</u> Nuclear Safety & Inspection Manager Tele
We certify that the statements m relief device described above co defined in publications NB-65 an Ceritificate of Authorization No Certificate of Authorization No Date, 19 , the undersigned, holding a value	CERTIFICATE OF COMPLIA ade in this report are correct and the repair, modification, o forms to Section XI and Section III of the ASME Code and d NB-102, current editions. <u>316</u> to use the "VR" stamp expires <u>Dec. 1</u> <u>20</u> to use the "NR" stamp expires <u>July 17</u> Signed <u>Toledo Edison</u> <u>Hepar Organization</u> <u>Authorized Representative</u> CERTIFICATE OF INSPECT commission issued by the National Board of Boller and Pr	or replacement of the pressure d the National Board rules as 13, 19 <u>98</u> . 7, <u>2001</u> Nuclear Safety & Inspection Manager Tele
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Ourser Toled	o Edison Company		Date	9/28/98			
	adison Ave., Toledo, OH 4			Sheet 1 of <u>1</u>		···	
	Besse Nuclear Power Sta		Unit	#1			
	New New N. SR 2. Oak Harbor. Off 4			MWO# 1-97-0626-16			
. Work Performed	Alexa Tolodo Edicon (Repeir Organization P.O.	No., Job Ni		
	N. SR 2. Oak Harbor. OH 4			tion N020			
	Antres	<u></u>		on Date01	_		
Identification of	Systems <u>DH PUMP1-2</u>	DISCHARGE 33R					
(b) Applicable	Construction Code <u>ANSI B</u> Edition of Section XI Utilize ponsibilities <u>ITT GRINNEI</u>	ed for Repairs or Re	ition 19 <u>67</u> eplacement:	-	/A	Code Case	VA
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	ompon	ents	
ume of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASHE Code Stamp
SNUBBER	ITT GRINNELL	14200	N/A	A-87	N/A	REPLACED	No
SNUBBER	ITT GRINNELL	9441	N/A	A-87	N/A	REPLCEMENT	No
		· · · ·					
							1
GRINNELL SNUBBER	SAN 14200 WAS REMOVED AN	7. Descript REPLACED WITH LI			PLACEM	ENT	
	REBUILT UNDER MWO# 1-97-0					<u> </u>	
	•						
<u> </u>							
. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>			nal Operating Pressu	Ire (N N/A	0) Other (NO °F)
Pressure Relie				0' bita			
	Service <u>N/A</u> Opening Pressure	N//4		Size <u>N/A</u>			
		N/A		Blowdown (if applica	ഥല)	<u> </u>	
	Set Pressure and Blowdow			NA .			

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CERTIFICATE OF COMPLIANCE we solve the statements made in the reports or cortex and this applicament we carrier that the statements made in the reports or cortex and this applicament made of the report of the reports of this applicament mode of the report of th		9. REMARKS Applicable Manufacturers Data Reports to be Attached
We certify that the atlatements made in the report are correct and this projectment contorms to the rules of the ASME Code Section XI. Type Code Section XI. Machine Senity & Imspection Namager Date 7/25 1a 75 Signed M. N.S. The Certificate of Authorization No. 20 Expiration Date 7/17-31 Signed M. N.S. The Certificate of Authorization Namager Date 7/25 1a 75 The condensigned, holding avail commission haved by the National Board of Boler and Pressure Vessel Inspectors in the Part Risce Million 1 Date 7/17-31 The undersigned, holding avail commission haved by the National Board of Boler and Pressure Vessel Inspectors in the Part Risce Million 1 Date 7/17-31 State of Province of	λ	
We certify that the atlatements made in the report are correct and this projectment contorms to the rules of the ASME Code Section XI. Type Code Section XI. Machine Zentry & Inspection Name 20 Expiration Date		
We certify that the atlatements made in the report are correct and this projectment contorms to the rules of the ASME Code Section XI. Type Code Section XI. Machine Zentry & Inspection Name 20 Expiration Date		
the ASME Code Section XI. Type Code SymbolNECertificate of Authorization No2 2 Expiration Date717-01 SignedN. Muckew Sately & Inspection Manager Date2/2.f19.7.8' SignedN. Muckew Sately & Inspection Manager Date2/2.f19.7.8' It is undersigned, holding a valid commission issued by the Matonal Board of Bober and PERSIDEN Implicity. Of Inspection Manager		CERTIFICATE OF COMPLIANCE
Bigned Muchae Safety & happedion Manager Data 9/2.6 19.74 Signed Online or Direction Minust Tool Pressure Vessel Inspectors in the Destinate Door of Door and pressure Vessel Inspectors in the Dest of Province of		
Output: CERTIFICATE OF BYSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boler and Pressure Vessel Inspectors in the State of Province of	Type Code Symbol NR C	Sertificate of Authorization No Expiration Date
Output: CERTIFICATE OF BYSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boler and Pressure Vessel Inspectors in the State of Province of	Signed D. N. Storm	Huclear Safety & Inspection Manager Date 9/28 1998
It is undersigned, holding a valid commission issued by the National Board of Boler and Pressure Vessel Inspection in the State of Province of		er er Durac's Designes, Tille
State or Province of	, the undersigned, holding a valid commission	n issued by the National Board of Boiler and Pressure Vessel inspectors in the
Bit to the best of my knowledge and beller, the Umminate performance during the ASME Code, Bection XI. By algoing this conflicts, nather the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and concertive measures described in the Owne's Report. Furthermore, neither the inspector nor his employer enables and end of the any memore for any personal lajury or property damage or a loss of any kind atting from or concerted with the shall be lable in any memore for any personal lajury or property damage or a loss of any kind atting from or concerted with this hapector. Importor and concertive measures described in the Owne's Report. Furthermore, neither the inspector on his employer enables and the set of any kind atting from or connected with this hapector. Importor and the any memore for any personal lajury or property damage or a loss of any kind atting from or connected with the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-55 and NB-102, current editions. Certificate of Authorization No20 _ to use the "NR" stamp expires	State or Province of <u>Ohio</u> and emplo have inspected the components described in t	this Owner's Report during the period 1116 47 to 43046, and state
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer relates the harp meaner for any personal linkury or property damage or a loss of any kind arising from or connected with this hapector. Implement of any meaner for any personal linkury or property damage or a loss of any kind arising from or connected with this hapector. Implement of any personal linkury or property damage or a loss of any kind arising from or connected with this hapector. Implement of any meaner for any personal linkury or property damage or a loss of any kind arising from or connected with this hapector's bignature. Implement of any personal linkury or property damage or a loss of any kind arising from or connected with the second area correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publication No319		
examinations and corrective measures described in the Center's Haport. Full walk to ask the ansing from or connected with this brapector. examinations and porcer for any personal linkury or property damage or a loss of any kind arising from or connected with this hapector. examinations and corrective measures of a property damage or a loss of any kind arising from or connected with this hapector. inspector's Eignature Image: Connected and the repair, modification, or replacement of the pressure related device described above conforms to Section XI and Secton III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No319 to use the "NR" stamp expires _Dec. 13 _19.82 Certificate of Authorization No20 to use the "NR" stamp expires _AM 17 _2001 Notes Signad. Signed Teadoe Edison _Advated Heprescheres		successful and and any water any expressed or implied, concerning the
this haspector. Image: Ima		bed in the Owner's Heport, Futuraminor, results are hispecter for methylogical injury or property damage or a loss of any kind arising from or connected with
Important House Important		
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relied device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp expires	Thomas Hoges	132198 Commissions NU 93320 N 1 PT COLLA. National Board, State, Province and Endorsements
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section XI of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316		
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316		
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section XI of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No319 to use the "VR" stamp expires		CERTIFICATE OF COMPLIANCE
relief device described above conforms to Section At allo Section at the NAME Code and the National Code and	We certify that the statements made in this n	eport are correct and the repair, modification, or replacement of the pressure
Certificate of Authorization No to use the "VR" stamp expires Dec. 13 19 98 Certificate of Authorization No to use the "NR" stamp expires	anti-i device described shows conjorns to S6	ACTION AT AND SECTION HI DE THE ASSNC CODE AND THE FRANCING DELLE FRANCE
Certificate of Authorization No to use the "NR" stamp expiresNY 172001 Nuclear Satery & Date, 19, SignedToledo Edison Neuro OperationsNeuro OperationsNeuroscient RepresentativeNeuroscient Representive Represent		
Date		
CERTIFICATE OF INSPECTION I, the undersigned, holding a valid convrision issued by the National Board of Boller and Pressure Vessel Inspectors, and cardificate of competency issued by the State or Province of ond employed byProtection Matual* of Park Ridge, Illinois have inspected the repair, modification, or replacement described in linis report on 19 and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-85 NB-102, current editions. By signing this cartificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this 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		Vuclear Safety &
1, the undersigned, holding a valid commission issued by the National Board of Bolier and Pressure Vessel Inspectors, and certificate of competency issued by the State or Province of	Date, 19, Signed	apper Chiganization Authorizati Hapresentatire Fals
1, the undersigned, holding a valid commission issued by the National Board of Bolier and Pressure Vessel Inspectors, and certificate of competency issued by the State or Province of	·	
cartificate of competency issued by the State or Province of		
of Park Ridge, Illinois	1, the undersigned, holding a valid commissio	In ISSUED BY the reasonal board or build and reasonable reason inspections, and
on 19 and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-85 NB-102, current editions. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this 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. Authorized inspector's Signature Date Date National Board, State, Province and Endorsements		
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repair, modification or replacement described in his report. Furthermore, refuse the anglobal net to connected with Bable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with Phis inspection. Commissions Authorized Inspector's Signature Date National Board, State, Province and Endorsements	NB-102, current editions.	
repair, modification or replacement described in his report. Furthermore, refuse the anglobal net to connected with Bable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with Phis inspection. Commissions Authorized Inspector's Signature Date National Board, State, Province and Endorsements	By signing this certificate, neither the inspec	tor nor his employer makes any warranty, expressed or implied, concerning the
Bits Inspection. Commissions Authorized Inspector's Signature Date National Board, State, Province and Endorsements	repair, modification or replacement describe liable in any manner for any personal injury of	d in this report. Furthermore, neuror are impositor nor the engineering with our operation of a loss of any kind arising from or connected with
Authorized Inspector's Signature Date National Board, Stale, Province and Endorsements	this inspection.	
* Factory Mutual Engineering Association	Authorized Inspector's Signature	Date National Board, Stale, Province and Endorsements
· · · · · · · · · · · · · · · · · · ·		* Factory Mutual Engineering Association
	i	

1. Owner Toled	o Edison Company		Date	10/1/98			
	num adison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
	Besse Nuclear Power Stat		Jnit			<u></u>	
	L SR 2. Oak Harbor. OH 4			MWO 1-97-0626-17			
-	By Toledo Edison C		ype Code S	Repair Organization P.O. I Stamp <u>NR</u> ·		, eic.	
	I. SR 2. Oak Harbor. OH 4		•••	ion N020_		<u></u>	
	Aditem		Expiratio	on Date			
4 Identification of	Systems <u>Decay Heat F</u>	ump 1-2 Dischard	e Line _3:	3B-GCB-H38 (Sut	sys 04	9-02)	
						Code Case	1/A
	Construction Code <u>ANSI B</u>		ition 19 <u>67</u>		A	0000 0036 1	
	Edition of Section XI Utilize	d for Repairs or Re	eplacement	5 19 <u>60</u>			
(c) Design Res	ponsibilities <u>ITT Grinnell</u>					<u>.</u>	
	6. Identification of Comp	onents Repaired c	r Replaced	and Replacement C	ompone	ents	
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	ITT Grinnell	14501	N/A	A-91	N/A	Replaced	No
Snubber	ITT Grinnell	17656	N/A	A-91	N/A	Replacement	Na
			 _		 		
	·		<u> </u>				
	14501 was removed and replace	7. Descript			her		
	der MWO 1-97-0515-11 and was I						
	· · · · ·						
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO) psi		inal Operating Press est Temperature	51/ A	0) Other (NC °F) }
Pressure Relie						•	
	Service <u>N/A</u>			SizeN/A			
	Opening Pressure	N/A		Blowdown (il applica	able)	N/A	
	Set Pressure and Blowdov at <u>NA</u>	vn Adjustments Ma	de Using <u>I</u>	N/A	et Hedium)		

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	FORM NIS-2 /NR-1 / NVR-1 -
	9. REMARKS Applicable Manufacturers Data Reports to be Attached
VA	
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·······	
We certify that the statements a the ASME Code Section XI.	CERTIFICATE OF COMPLIANCE made in the report are correct and this <u>replacement</u> conforms to the rules of
Type Code SymbolNR	Certificate of Authorization No20 Expiration Date7-17-01
Signed Q.W. Stren	Nuclear Batety & Inspection Manager Date 10/1 1998
•	Owner er Owner's Designee, Title
State or Province of <u>Ohio</u> an have inspected the components desc that to the best of my knowledge and described in this Owner's Report in ac	CERTIFICATE OF INSERVICE INSPECTION mission issued by the National Board of Boller and Pressure Vessel Inspectors in the d employed by <u>Protection Mutual</u> of <u>Prix Ridge</u> , titingis tibed in this Owner's Report during the period <u>NUM91</u> to <u>10608</u> , and state bellef, the Owner has performed examinations and taken corrective measures cordance with the requirements of the ASME Code, Section XI.
examinations and corrective measure thall be liable in any manner for any p	nspector nor his employer makes any warranty, expressed or implied, concerning the s described in the Owner's Report. Furthermore, neither the inspector nor his employer ersonal injury or property damage or a loss of any kind arising from or connected with
Thomas & Lopa-	18/6/98 Commissions NB933Ø N I A OHO National Board, State, Province and Endorsements
· · · ·	
We certify that the statements made i relief device described above conform	CERTIFICATE OF COMPLIANCE In this report are correct and the repair, modification, or replacement of the pressure is to Section XI and Section III of the ASME Code and the National Board rules as
We certify that the statements made i relief dovice described above conform defined in publications NB-65 and NB	CERTIFICATE OF COMPLIANCE In this report are correct and the repair, modification, or replacement of the pressure is to Section XI and Section III of the ASME Code and the National Board rules as -102, current editions.
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We certify that the statements made i relief device described above conform defined in publications NB-65 and NB Ceritficate of Authorization No. <u>310</u>	CERTIFICATE OF COMPLIANCE In this report are correct and the repair, modification, or replacement of the pressure as to Section XI and Section III of the ASME Code and the National Board rules as -102, current editions. 5 to use the "VR" stamp expires Dec. 13, 19_83
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We certify that the statements made in relief dovice described above conform defined in publications NB-65 and NB Certificate of Authorization No20 Date, 19, Sign the undersigned, holding a valid com ertificate of competency issued by the	CERTIFICATE OF COMPLIANCE In this report are correct and the repair, modification, or replacement of the pressure is to Section XI and Section III of the ASME Code and the National Board rules as -102, current editions.
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1. Owner	o Edison Company		Date	B/26/ 98			
	adison Ave., Toledo, OH 4		5	Sheet 1 of <u>1</u>			
	-Besse Nuclear Power Sta		Unit	<u>. 11 '</u>		<u>`</u>	
	N. SR 2. Oak Harbor. OH 4			MWO# 1-97-0626-18			
	By Toledo Edison (Repair Organization P.O. StampNR	No., Job No		
	N. SR 2. Oak Harbor. OH 4						
	Address			on Date 7-17-01			
A Identification of	SystemsDH PUMP 1-1	I SUCTION LINE 3	•				
					/8	Codo Coso A	
				Addendum <u>N</u>	<u>A</u>	Code Case 🛔	¥A
•••••	Edition of Section XI Utilize		eplacement	s 19 <u>86</u>			
(c) Design Res	ponsibilities <u>ITT GRINNEL</u>						
	6. Identification of Comp	onents Repaired c	or Replaced	and Replacement C	ompone	ents	
fame of Component	Name of Manufacturer	Kanufacturer's	Mational	Other	Year	Repaired	254
Hills of Component		Serial NO.	Board NO.	Identification/ Jurisdictional NO.	Built	Replaced or Replacement	Cod
Snubber	ETT Grinnel	8906	r/a	A-113	n/a	Replaced	No
Snubber	ITT Grinnel	10151	n/a	A-113	n/a	Replacement	No.
	[· · ·			
Grinnel enubber S/N	8906 was removed and replaced	7. Descript					
	is rebuilt under MWO# 1-87-0515						
	•••		- <u></u> . ·-·				
	•			<u></u>		<u> </u>	
3. Tests Conducted:	Hydrostatic (NO) Pressure <u>n/a</u>			inal Operating Pressuest Temperature		0) Other (NO °F)
Pressure Relie	of Valves:						
		· · · · · · · · · · · · · · · · · · ·		SizeNa			
	Opening Pressure			Blowdown (if applica	able)	Na	
				da			
	Set Pressure and Blowdow at	vn Adjustments Ma	ide Osing_f		it Hollow)		

and a second

FORM NIS-2 /NR-1 / NVR-1	an chool
8. REMARKS Applicable Manufacturers Dets Reports to be A	
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI.	
Type Code Symbol NR Certificate of Authorization No20 Expiration Date7-17-01	
the ASME Code Section XI. Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01 Signed NW. Storem Nuclear Safety & Inspection Manager Date 8/26 19.98 Signed Store of Comers Designee. The	
/ dy/ner er Owmer's Designee. Title	
CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel inspectors in the ate or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> of <u>Park Ridge, Minois</u> of <u>Park Ridge, Minois</u> of <u>Park Ridge, Minois</u> at b the best of my knowledge and bellef, the Owner's Report during the period <u>Wide 71</u> to <u>F221(46</u> , and state at to the best of my knowledge and bellef, the Owner has performed examinations and taken corrective measures sortbod in this Owner's Report in accordance with the requirements of the ASME Code, Section XJ.	
scribed in this contribution interport interestor in the interpolation makes any warranty, expressed or implied, concerning the aminations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	
all be liable in any manner for any personal injury or property damage of a loss of any wind and by the or of the	
is inspection. <u>Thermal Lype</u> <u>Bar</u> /98 Commissions <u>NB9330</u> <u>N I A</u> <u>ONIO</u> <u>Spectore Signature</u> <u>Oute</u> <u>Oute</u> <u>Oute</u> <u>Oute</u> <u>National Board</u> <u>State</u> , <u>Province and Endorsements</u>	
CERTIFICATE OF COMPLIANCE	
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eritficate of Authorization No. 316 to use the "VR" stamp expires Dec. 13 19.93	
certificate of Authorization No. 20 to use the "NR" stamp expires <u>July 17</u> , 2001 Nuclear Safety &	
Nuclear Satery & Nuclear Satery & Inspection Manager	
CERTIFICATE OF INSPECTION	
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, and	
ertificate of competency issued by the State or Province ofOhio and employed byProtection Mutual *	
Park Ridge, Minois have inspected the repair, modification, or replacement described in this report	
1, 19 and state that to the best of my knowledge and belief, this repair, modification, or replacement has been onstructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publicatio B-102, current editions.	made or in NB-65 at
by signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the spair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection.	
Commissions	
Authorized Inspector's Signature Date National Board, State, Province and Endorsements	

Page 92

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12 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77

Mane of Component Name of Manufacturer Sandacturer Backorat South State Code State Strate Strate Code State								
2. Plant Davis-Bosse Nuclear Power & lation Unit #1 2. Plant Davis-Bosse Nuclear Power & lation Unit #1	i. Owner <u>Toled</u>	o Edison Company						
BOIN SR 2 Oktober Of Assessment Base of Banufactures: Bas	300 M	adison Ave., Toledo, OH 4	3652	S	heet 1 of <u>1</u>			
Autom Nork Performed By Toledo Edison Company Type Code Stamp NR	2. Plant <u>Davis</u> -	Besse Nuclear Power Sta	tion	Unit	#1			
3. Work Performed By	5501	I. SR 2. Oak Harbor. OH 4	3449	1			<u>.</u>	
Expiration Date7-17-01 Expiration Date7-17-01 Expiration Date7-17-01 Expiration of SystemsPipe Hanger PS-H36 (RC-2) EUS 054-04 (a) Applicable Construction Code _ANSI B31.1 Edition 19 EZ Addendum m/a Code Case m/a (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1985 (c) Design ResponsibilitiesToledo Edison (b) Applicable Edition of Components Repaired or Replacements 1985 (c) Design ResponsibilitiesToledo Edison (c) Desciption of Components Response of Manufacturer Manufacturer ' Manufacturer' Batti B00 (b) Batti Origin Components (c) Desciption of Work	3. Work Performed	By Toledo Edison (Company	Type Code		•		
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5. (a) Applicable Construction Code ANSI B31.1 Edition 19 6Z Addendum m/a Code Case m/a (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19	4 Identification of	Systems Pine Hanner	PS-H36 (RC-2) 8	US 064-04				
Mass of Cosponent Manufacturer Manufacturer's Seriel B0. Mational Board B0. Other Identification/ Jurisdictional B0. Mark Series Beplacement of Series Board B0. 1/2"x 3" A36 plate UNK N/A N/A N/A HTS 302244 N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNK N/A N/A N/A HTS 302244 N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNK N/A N/A N/A HTS 302244 N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNK N/A N/A N/A HTS 302244 N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNK N/A N/A N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNK N/A N/A N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNK N/A N/A N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNK UNK N/A N/A REPLACEMENT N/A 1/2"x 3" A36 plate UNA UNK UNK UNK N/A REPLACEMENT N/A	(b) Applicable	Edition of Section XI Utiliz	red for Repairs or			la.	Code Case n	<u>fa</u>
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Installed new yoks en valve RC-2 which required modification of pipe support PS-H35 per VDWQ M-190-HBW-135. The old pipe support was removed and nodified per DCN & M-190-HBW-135-4 and rewelded using two pcs. et U2*x3*x4* A35 piets. Snubbers were reinstalled under MWO# 3-88-4398-91 and a VT-3 performed estistactory. 8. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (NO) Other (NO) Pressure	1/2"x 3" A36 plate	UNK	N/A	N/A	HT# 302244	N/A	REPLACEMENT	N/A
nstalled new yoks en valve RC-2 which required modification of pipe support PS-H35 per VDWQ M-190-HBW-135. The old pipe support was removed and nodified per DCN & M-190-HBW-135-4 and rewelded using two pce. of 1/2*x3*x4* A35 piste. Snubbers were reinstalled under MWO# 3-88-4398-91 and IVT-3 performed estistactory.								[
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	FORM NIS-2 /NR-1 / NVR-1 -
	8. REMARKS Applicable Merudicturere Data Reports to be Atlanched
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	CERTIFICATE OF COMPLIANCE
We certify that the statements the ASME Code Section XI.	made in the report are correct and this <u>replacement</u> conforms to the rules of
Type Code Symbol <u>NR</u>	Certificate of Authorization No. 20 Expiration Date 7-17-01
signed Q. W.S.K.	Muclear Safety & Inspection Manager Date 3/8 19.97
	" Clyfriar or Corner's Deolgraee, 116e
State or Province of <u>Ohio</u> an have inspected the components desc that to the best of my knowledge and	CERTIFICATE OF INSERVICE INSPECTION mission issued by the National Board of Boller and Pressure Vessel Inspectors in the d employed by <u>Protection Mutual</u> of <u>Park Ridge, Unols</u> thed in this Owner has performed examinations and taken corrective measures beiled, the Owner has performed examinations and taken corrective measures cordance with the requirements of the ASME Code, Section XI.
waminations and corrective measure	Inspector nor his employer makes any warranty, expressed or implied, concerning the s described in the Owner's Report. Furthermore, neither the inspector nor his employer
shall be lighte in any manner for any r	erronal injury or property damage or a loss of any kind arising from or connected with
his inspection.	
The mas & Jags	3/12/99 Commissions NB 9330 N I A Office . National Board, State, Province and Endorsements
	CERTIFICATE OF COMPLIANCE
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relief device described above conform defined in publications NB-65 and Ni	in this report are correct and the repair, modification, or replacement of the pressure ns to Section XI and Section III of the ASME Code and the National Board rules as
relief device described above conform defined in publications NB-65 and Ni Certificate of Authorization No3	In this report are correct and the repair, modification, or replacement of the pressure as to Section XI and Section III of the ASME Code and the National Board rules as 3-102, current editions. 16to use the "VR" stamp expires Dec. 13,2001 0to use the "NR" stamp expires July 17,2001
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1. Owner <u>Tole</u>	do Edison Company		Date	3/8/99			
<u>300 B</u>	ladison Ave., Toledo, Ol	43652	5	Sheet 1 of <u>1</u>			
2. Plant Davis	Besse Nuclear Power &	Station	Unit	#1			
5 501	N. SR 2. Oak Harbor, OH	43449		WO # 1-08-0558-00			
3. Work Performe	d ByToledo Ediso	n Company	Type Code	Report Organization P.O. No 9 Stamp <u>NR</u>			
5501	N. SR 2. Oak Harbor. OH	43449	Authori	zation N0. 20			
	£88×00		Expir	ation Date	1		
4. Identification c	of Systems <u>Pressurize</u>	r Spray Valve (RC-2) <u>SUS (</u>	64-04			
(b) Applicable	s Construction Code <u>AS</u> s Edition of Section XI Ut ssponsibilities <u>Velan</u> ;	llized for Repairs or	lition 19 <u>71</u> Replaceme		_	Code Case g	<u>1/a</u>
	6. Identification of Con	ponents Repaired o	or Replaced	and Replacement (Compo	nents	
Mame of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Co Star
Nuts 5/8"-11	Nova	n/a	n/a	HT# 43038	n/a	Replacement	N
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		7. Descript			-		
wo nuts were missing i 7-2 upon completion of	from the body to bonnet flange	tor RC-2. Replaced wit	h two new 6/8	*-11, 5A-194 Grade SH, F	u#43038	s nuts. Performed a	
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8. Tests Conducted:	Hydrostatic (NO) Pressure 2102	Pneumatic (NO)		inal Operating Press Test Temperature)
Pressure Rel		hei		roor reinheidruie		F	
	Service <u>n/a</u>			Size <u>n/a</u>			
	Opening Pressure	n/a		Blowdown (if app	licable)n/a	
	Set Pressure and Blowd	lown Adjustments N	lade Using			· · · · · · · · · · · · · · · · · · ·	
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the ASME Co	de Section XI.	ie in the report are	correct and this main	<u>placement</u> conforms t	
Type Code S	mbolNR_	Certificate of Au	thorization No	20 Expiration Date	17-01
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Signed		Contar or Comer's Design	wa, the	000 10_	
				ICE INSPECTION	
State or Province of have inspected the that is best of m	Ohio_and en	ssion issued by the nployed by d in this Owner's R of the Owner has p	National Board of Bo <u>Protection Mutual</u> eport during the period performed examination	of Park Ridge, Minois of Park Ridge, Minois d 72/46 to 12/92, and ns and taken corrective measures	
By signing this certif	licate, neither the Insp	ector nor his emplo	oyer makes any warn	anty, expressed or implied, concerni	ng me molover
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shall be liable in any this inspection.	materier for any pers	www.min.i.k.orbiobe		4330 N I A	
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milef doulce descri	statements made in 1 bed above conforms i ons NB-65 and NB-10	his report are corre to Section XI and S	ct and the repair, mo action III of the ASME	COMPLIANCE dification, or replacement of the pres Code and the National Board rules	20178 23
relief device describ defined in publication Certificate of Authority	bed above conforms to one NB-65 and NB-10 orization No. <u>316</u>	his report are corre to Section XI and S 02, current editions to use the "V	ct and the repair, mo action III of the ASME 	dification, or replacement of the pres Code and the National Board rules Dec. 13	55116 85
relief device describ defined in publication Certificate of Author	bed above conforms to ons NB-65 and NB-10 prization No. <u>316</u>	his report are corre to Section XI and S 02, current editions to use the "V	ct and the repair, mo action III of the ASME 	dification, or replacement of the pres Code and the National Board rules Dec. 13	82ure 25
relief device describ defined in publication Certificate of Author	bed above conforms to ons NB-65 and NB-10 prization No. <u>316</u>	his report are corre to Section XI and S 02, current editions to use the "V	ct and the repair, mo action III of the ASME 	dification, or replacement of the pres Code and the National Board rules Dec. 13	Kure 25
relief device describ defined in publication Certificate of Author	bed above conforms to ons NB-65 and NB-10 prization No. <u>316</u>	his report are corre to Section XI and S 02, current editions to use the "V	ct and the repair, mo action III of the ASME 	dification, or replacement of the pres Code and the National Board rules Dec. 13	SUITE 83
relief device describ defined in publication Certificate of Author	bed above conforms to one NB-65 and NB-10 orization No. <u>316</u>	his report are corre to Section XI and S 02, current editions to use the "V	ct and the repair, mo action III of the ASME 	dification, or replacement of the pres Code and the National Board rules Dec. 13	SUITE ES
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Page 96

1. OwnerToled	o Edison Company		Date	2/12/99			
300 M	adison Ave., Toledo, OH	43652	8	Sheet 1 of 1			
2. Plant <u>Davis</u>	Besse Nuclear Power St	ation	Unit	#1		•	
5501	N. SR 2. Oak Harbor. OH	13449		MWO# 1-98-1155-00			
3. Work Performed	ByToledo Edison	Company	Type Cod	Repair Organization P.O. H 8 Stamp <u>NR</u>	o., Jeo i ie.,		
5501	N. SR 2. Oak Harbor. OH 4	13449	Authori	zation N020			
			Expir	ation Date7-17-6			
4. Identification of	Systems <u>Pressurizer</u>	Spray Valve (RC-2	<u>)</u>		 .		
5. (a) Applicable	Construction Code _ASM	ENICLI Ed	lition 19 7	Addendum g	/a	Code Case g	1/2
(b) Applicable	Edition of Section XI Utili	zed for Repairs or	Replaceme	ants 19 <u>86</u>			
	sponsibilities <u>Vetan In</u>	•	•				
	6. Identification of Comp	onents Repaired (or Replaced	and Replacement (Compo 	nents	T -
Hame of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Con Stan
Nut 5/8"-11	Velan	n/a	n/a	n/a.	unk	Replaced	N
Nut 5/8"- 11	Velan	n/a	n/a	Ht# A17623/GHD	1990	Replacement	N
				Capspi	<u> </u>		┢
		7. Descript	l			l	
leplaced eight 5/8"-11 UN	C nuts SA194 Gr SM, heat # A1	7623/GHD en bonnet 1			VT-2 (01	kage test	
pon completion of asses	nbiy.	Daws fi i					
				i			
······							
8. Tests Conducted:				nal Operating Press)
Pressure Relie	Pressure <u>2148</u>	psi		Test Temperature	534	vr	
	Service <u>n/a</u>			Sizen/a			
	Opening Pressure	n/a		Blowdown (if app	licable)	n/a	
					•		
	Set Pressure and Blowdo	wn Adjustments N	lade Using_	<u>n/a</u>			

Page 98

i H 1

4	FORM NIS-2	/NR-1 / NVR- 1		
	9. REMAR	KS	Applicable Manufactures Data Rep	one to be Atlached
VA				
		OF COMPLIANCE		
We certify that the statements made in the ASME Code Section XI.			conforms to the rule	is of
Type Code Symbol NR C Signed J.N.S. Com		20 5.		
Type Code Symbol NH C	ennicate of Authonization No	20		
NStarm.	Nuclear Satisty & Inspe	ction Manager Date	2/13 1999	
Signed	lar ar Dunat's Designae, 'Ne			
	CERTIFICATE OF INS			
I, the undersigned, holding a valid commission	loound by the Mational Roam	of Roller and Pressur	e Vessei Inspectors in the	
t, the undersigned, notating a valid commission State or Province of <u>Ohio</u> and employ have inspected the components described in t	ed by Protection Mutu	at of Park R	idge, Minois	
have inspected the components described in t	his Owner's Report during the	period <u>1016/465</u>	o_425144, and state	
hat to the best of my knowledge and belief, th jescribed in this Owner's Report in accordance	e with the requirements of the	ASME Code. Sector) XI.	
By signing this certificate, neither the inspecto	r nor his employer makes any t	warranty, expressed	or implied, concerning the	
incaminations and corrective measures descrit shall be liable in any manner for any personal	bed in the Owner's Report. Full	loss of enviring aris!	na trom or connected with	
hall be lable in any manner for any personal his inspection.	admin of biobarth contradie of a	1033 OF BUTY MARK BUILDI		-
	h-las	17 4990	IT A OW	O
Thomas 2 Apr- d	2599 Commissions	NB4330	N T A CO	un.
nspector's Signature	· CETO LOUD	UNE DUGU, GALE, FIVE		
				<u> </u>
	*	OF COMPLIANCE		
We certify that the statements made in this re	nort are correct and the repair.	modification, or repl	acement of the pressure	
relief device described above conforms to Ser	port are correct and the repair, stion XI and Section III of the A	modification, or repl	acement of the pressure	
relief device described above conforms to Se defined in publications NB-65 and NB-102, or	port are correct and the repair, ction XI and Section III of the A arrent editions.	modification, or repl SME Code and the N	acement of the pressure lational Board rules as	
relief device described above conforms to Se defined in publications NB-65 and NB-102, or	port are correct and the repair, ction XI and Section III of the A arrent editions.	modification, or repl SME Code and the N	acement of the pressure lational Board rules as	
relief device described above conforms to Sei defined in publications NB-65 and NB-102, or Ceritticate of Authorization No. <u>316</u>	port are correct and the repair, zion XI and Section III of the A arrent editions. to use the "VR" stamp expires	modification, or repl SME Code and the N	acement of the pressure lational Board rules as	
relief device described above conforms to Sei defined in publications NB-65 and NB-102, co Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	port are correct and the repair, ction XI and Section III of the A arrent editions. to use the "VR" stamp expires to use the "NR" stamp expires	modification, or repl SME Code and the M <u>Dec. 13</u>	acement of the pressure lational Board rules as 2001 2001	
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Oursen Talada	Edison Company		Date	5/17/99			
	Reption	2653		heat 1 of <u>1</u>			
-	dison Ave., Toledo, OH 4						
. Plant <u>Davis-</u>	Sesse Nuclear Power Stat	ton	Unit	#1	·		
5501 N.	SR 2. Oak Harbor, OH 43	449	W.O.98	-039-00, 98-423-00			
. Work Performed	Adam Mala da Edisan A		Type Code	StampNR/V			
	Nema		Authoriz	ration N020 / 31	6		
<u> </u>	SR 2. Oak Harbor. OH 4	3449					
			Expire	ation Date7-17-0	1/12-1	3-01	
4. Identification of	SystemsRC2A PRESS	URIZER POWER	RELIEF VA	LVE			
	•		tion 19 71		71	Code Case 1	<u>501</u> ¥
	Construction Code ASM					-	49
(b) Applicable	Edition of Section XI Utiliz	ed for Repairs or l	Replaceme	nts 19 <u>80</u>		/33	5-8
(c) Design Res	ponsibilities <u>CROSB</u>	VALVE & GAGE	co				
	6. Identification of Comp	onents Repaired o	r Replaced	and Heplacement (Jompo		
	· .			art	Year	Repaired Replaced	ASNE
Hame of Component	Name of Manufacturar	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Built	or Replacement	Code Stamped
			NA	NA	1977	REPLACED	Yes
RELIEF VLV	CROSBY VALVE	N56969-00-0001 N56969-00-0002	NA	NA	1977	REPLACEMENT	Yes
RELIEFVLV	CROSBY VALVE	N95208-32-0004	NA NA	NA	NA	REPLACEMENT	No
NOZZLE MN.	CROSBY VALVE	N95208-32-0004	NA	NA	NA	REPLACEMENT	No
DISC MN.	CROSBY VALVE	N95209-34-0005		NA	NA	REPLACEMENT	No
NOZZLE PILOT	CROSBY VALVE	N9093200380015		NA	NA	REPLACEMENT	No
DISC PILOT	CROSBY VALVE	7 Decerici	lion of Worl	. <u></u>	L		L
	55969-00-0002 with new nozzle	7. Descript	t valve) and n	ew discs (main valve an	d plict va	sive). Removed existin	g valve
ebuilt spare valve 6/N P	replaced with like-for-like rebu	tt vatve B/N N56969-00	-0002. Pertor	med a VT-2 leakage test	upon oc	mpletion.	
/N N55959-00-0001 and	reparced with nee-tot-time too					·····	
<u></u>	e .						
				ninal Operating Pres		WES) Other (N)) .
8. Tests Conducted:	•	Pneumatic (NO)	Non				-1
	Pressure <u>2128</u>	psi		Test Temperature_		<u> </u>	
Pressure Rel	ief Valves:			Size 2.1/2	- 44		
	Service_steam					• • • • •	-
	Opening Pressure	2435 psig		Blowdown (if ap	plicabl	o) <u> </u>	
	Opening Pressure						
	Set Pressure and Blowd			gna	Post Hading		

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8. REMARKS Applicable Manufactures Data Reports to be Atlanted
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01
Signed
Signed Date Date Is
CERTIFICATE OF INSERVICE INSPECTION
a section of the lating a section and provided by the National Reard of Relief and Pressure Vessel inspectors in the
the product of the and employed by Protection MURUAL or FAIN DIVID, MURUA
ate of province of
at to the best of my knowledge and belier, the Owner has performed examinations and much on our of the desired in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
y signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the raminations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer
amnations and corrective measures described in the owner a report of data interview, kind arising from or connected with all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
le inenection
Thorwas 2 201 5/20/99 Commissions NB 9330 N I A Ottion. pector's Signature Date Date National Board, State, Province and Endorsements
International Board, State, Province and Endorsements
Ve certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure elief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as lefted to provide NRAS and NR-102 current editions.
Ve certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure elief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , <u>20</u> 01
elist device described above conforms to Socion XI and Socion III of the ASME Code and the National Board rules as lefined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expires Dec. 13 2001 Certificate of Authorization No to use the "NR" stamp expires July 17 2001
elist device described above conforms to Socion XI and Socion III of the ASME Code and the National Board rules as lefined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expires Dec. 13 2001 Certificate of Authorization No to use the "NR" stamp expires July 17 2001
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elief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as elified in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "NR" stamp expires
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Note of the section of and Section XI and Section III of the ASME Code and the National Board Rules as befored in publications NB-65 and NB-102, current editions. Certificate of Authorization No
allef device described above conforms to Section XI and Section III of the ASME Code and the National Board Rules as befored in publications NB-65 and NB-102, current editions. Centrificate of Authorization No
Note of a state that to the best of my knowledge and belief, this repair, modification, or replacement described in the report. Furthermore, nether the inspector nor his employer makes any warranty, expressed or implied, concerning the epsire inspector.
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Note of a state that to the best of my knowledge and belief, this repair, modification, or replacement described in the report. Furthermore, nether the inspector nor his employer makes any warranty, expressed or implied, concerning the epsire inspector.

I. Owner <u>Toled</u>	o Edison Company		Date	4/6/99		<u> </u>	
	adison Ave., Toledo, OH 4		S	heet 1 of 1			
	Besse Nuclear Power Sta		Unit	#1			
	Nurse N. SR 2. Oak Harbor, OH 43		Y	VO# 98-000135-000		······································	
	ByToledo Edison C			Repeir Organization P.O. No. Stamp <u>NB</u>	, Job No., e		
	Name N. SR 2, Oak Harbor, OH 4		Authoriz	ation N020			
	. ON 2, ORAMATER	<u></u>		ation Date			
		FODU STEAM C	•				
	Systems <u>MAIN STEAN</u>						
• •	Construction Code <u>ANSI</u>				A	Code Case N	<u>/A</u>
(b) Appliçable	Edition of Section XI Utiliz	zed for Repairs or	Replaceme	nts 19 <u>86</u>			
(c) Design Re	sponsibilities GRIN	INEL					
	6. Identification of Comp	enente Banairad o	Replaced	and Replacement C	Compo	nents	
	6. Identification of Comp	onents Repaired C	I Replaced				
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASI Cox Stan
ENUBBER	ITT GRINNELL	11892	N/A	A-41	N/A	REPLACED	N
SNUBBER	ITT GRINNELL	12449	N/A	A-41	N/A	REPLACEMENT	<u>N</u>
			ļ			<u> </u>	
					┣──		-
		7. Descript	tion of Worl	<			
TT GRINNELL SNUBBE	R S/N 11892 WAS REMOVED AN	ID REPLACED WITH L	KE-FOR-LIKE	SNUBBER SAN 12449. F	EPLACI	EMENT	
	AS REBUILT UNDER WO# \$8-00	0740-000 AND WAS FU	INCTIONALLY	IESTED SALISFACTOR			
SATISFACTORY AFTER	INSTALLATION.			<u> </u>			
	······································						
	· · · · · · · · · · · · · · · · · · ·						
8. Tests Conducted	: Hydrostatic (NO) Pressure <u>N/A</u>		Коп	ninal Operating Pres Test Temperature_))
Pressure Re				0: N/A			
	Service_N/A			Size <u>N/A</u>		e)N/A	-
	Opening Pressure				JUGADI	·/1V/D	•
	Set Pressure and Blowd	own Adjustments I	Made Using	<u> </u>	wet midsen	1	
	at N/A						

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12 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77

	ſ	FORM NIS-2 /NR-	1/+++	
		8. REMARKS	Applicable Manufa	cturers Data Reports to be Attached
VA				·
· · · · · · · · · · · · · · · · · · ·				··· ·
······································		· · · · · · · · · · · · · · · · · · ·		
		CERTIFICATE OF C	OMPLIANCE	
We certify that the statement the ASME Code Section XI		correct and this repl	acement conform	ns to the rules of
Type Code Symbol N	R Certificate of A	uthorization No	20 Expiration Date	
Signed WW J K	Owner or Owner's Desig	ear Safety & Inspection N mee, THe	tanager Date 4/6 1	<u>99</u>
I, the undersigned, holding a valid State or Province ofOhio have inspected the components di fact to the best of my knowledge a described in this Owner's Report is	commission issued by the and employed by escribed in this Owner's F nd belief, the Owner has	Protection Mutual * of Report during the period performed examinations	er and Pressure Vessel Inspect Park Ridge, Illinois <u>1/-4-97</u> to <u>4-6-72</u> , i and taken corrective measure	and state
By signing this certificate, neither t examinations and corrective meas shall be liable in any manper for a	he inspector nor his emp	loyer makes any warran	ty, expressed or implied, conce ore, neither the inspector nor hi	s employer
this inspection.	<u> </u>	Commissions <u>N.S.9</u> National Bo	801 N I A	Mio " Comme ents
	·			
	,	CERTIFICATE OF C		
relief device described above con	forms to Section XI and 8	ect and the repair, modif Section III of the ASME C	ication, or replacement of the p	ressure 8\$ 8 3
relief device described above con defined in publications NB-65 and	forms to Section XI and 8 I NB-102, current editions	act and the repair, modif Section III of the ASME C s.	ication, or replacement of the p lode and the National Board nu	iressure Ies 45
Certificate of Authorization No	forms to Section XI and 5 I NB-102, current editions 316 to use the 7	ect and the repair, modif Section III of the ASME C s. VR" stamp expires	ication, or replacement of the p locks and the National Board no Dec. 13	178531178 185 & 3
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relief device described above con defined in publications NB-65 and Certificate of Authorization No Certificate of Authorization No	forms to Section XI and 8 1 NB-102, current editions <u>316</u> to use the 7 <u>20</u> to use the 7	ect and the repair, modified Section III of the ASME C s. VR" stamp expires NR" stamp expires	ication, or replacement of the p code and the National Board nd Dec. 13	8\$ #3
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relief device described above con defined in publications NB-65 and Certificate of Authorization No Certificate of Authorization No Date, 19,	forms to Section XI and S I NB-102, current editions <u>316</u> to use the " <u>20</u> to use the " Signed <u>Toledo Edison</u> Repeir Organization	ect and the repair, modified Section III of the ASME C s. VR" stamp expires Autocode Representative CERTIFICATE OF IN	ication, or replacement of the p code and the National Board nd Dec. 13 2001 , 2001 , 2001 Nuclear Safety & inspection Manag NSPECTION	8\$ 8 3 <u>er</u>
relief device described above con defined in publications NB-65 and Certificate of Authorization No Certificate of Authorization No Date, 19,	forms to Section XI and S I NB-102, current editions 316 to use the 7 20 to use the 7 Signed Teledo Edison Repair Capartation	ect and the repair, modified Section III of the ASME C s. VR® stamp expires Authotzed Representativ CERTIFICATE OF II e National Board of Boli	Ication, or replacement of the p locks and the National Board nd Dec. 13 2001 July 17 2001 Nuclear Safety & Inspection Manag Tite NSPECTION	8\$ 83 <u>er</u>
relief device described above con defined in publications NB-65 and Certificate of Authorization No Date, 19 I, the undersigned, holding a valid certificate of competency issued b of <u>Park Ridge, Illinois</u> have in	forms to Section XI and S I NB-102, current editions <u>316</u> to use the " 20 to use the " Signed <u>Toledo Edison</u> Repeir Ogentation commission issued by th y the State or Province of aspected the repair, modil	ect and the repair, modified and the repair, modified section III of the ASME Constraints and expires	ication, or replacement of the p code and the National Board nd 	es as er xors, and .
relief device described above con defined in publications NB-65 and Certificate of Authorization No Date, 19 I, the undersigned, holding a valid certificate of competency issued b of <u>Park Ridge, Ilinois</u> have in on, 19 and st constructed in accordance with Se	forms to Section XI and S 1 NB-102, current editions <u>316</u> to use the " <u>20</u> to use the " Signed <u>Toledo Edison</u> Repeir Organization commission issued by th y the State or Province of ispected the repair, modil ate that to the best of my	ect and the repair, modified Section III of the ASME Cost VR* stamp expires Autocted Representative CERTIFICATE OF II e National Board of Boll (onlo and employ fication, or replacement (knowledge and bellef, ti	Ication, or replacement of the p code and the National Board nd 	er ors, and
relief device described above con defined in publications NB-65 and Certificate of Authorization No Date 19 Date 19 I, the undersigned, holding a valid certificate of competency issued b of <u>Park Ridge, Illinois</u> have in on, 19 and st constructed in accordance with Se NB-102, current editions. By signing this certificate, neither repair, modification or replacement lable in any manner for any perso this inspection.	forms to Section XI and S I NB-102, current editions <u>316</u> to use the " <u>20</u> to use the " Signed <u>Teledo Edison</u> Repair Caparization commission issued by the y the State or Province of aspected the repair, modil ate that to the best of my action XI and Section III o the Inspector nor his empt t described in this report	ect and the repair, modified Section III of the ASME Cost s. VR® stamp expires	ication, or replacement of the p code and the National Board nd 	er ons, and cement has been made or red in the publication NB-65 a seming the shall be
relief device described above con defined in publications NB-65 and Certificate of Authorization No Certificate of Authorization No Date, 19, I, the undersigned, holding a valid certificate of competency issued b of <u>Park Ridge, Illinois</u> have in on, 19 and st constructed in accordance with Se NB-102, current editions. By signing this certificate, neither repair, modification or replacement Rable in any manner for any perso	forms to Section XI and S I NB-102, current editions <u>316</u> to use the " <u>20</u> to use the " Signed <u>Teledo Edison</u> Repair Caparization commission issued by the y the State or Province of aspected the repair, modil ate that to the best of my action XI and Section III o the Inspector nor his empt t described in this report	ect and the repair, modifiescion III of the ASME Constant and the repair, modifies section III of the ASME Constant and expires	ication, or replacement of the p code and the National Board nd 	er core, and . cornent has been made or red in the publication NB-65 a eming the shall be th
relief device described above con defined in publications NB-65 and Certificate of Authorization No Date 19 Date 19 I, the undersigned, holding a valid certificate of competency issued b of <u>Park Ridge, Illinois</u> have in on, 19 and st constructed in accordance with Se NB-102, current editions. By signing this certificate, neither repair, modification or replacement lable in any manner for any person this inspection.	forms to Section XI and S I NB-102, current editions <u>316</u> to use the " <u>20</u> to use the " Signed <u>Teledo Edison</u> Repair Caparization commission issued by the y the State or Province of aspected the repair, modil ate that to the best of my action XI and Section III o the Inspector nor his empt t described in this report	ect and the repair, modifiescion III of the ASME Constant and the repair, modifies section III of the ASME Constant and expires	ication, or replacement of the p code and the National Board nd 	er core, and . coment has been made or red in the publication NB-65 at eming the shall be th

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FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S RE	PORT FO	R REPAIRS OR	REP	LACEMENTS	
1. OwnerToled	o Edison Company		Date	7/8/99			
	adison Ave., Toledo, OH 4			iheet 1 of <u>1</u>			
	Besse Nuclear Power Sta		Unit	#1			
	Norme Norme N, SR 2. Oak Harbor, OH 4			NO# 98-000139-000			
	d By			Repair Organization P.O. No StampNR	., Job No.,	NC.	
	(1 1 11			-			
5501	N. SR 2, Oak Harbor, OH 4	3449		zation N020			
				ation Date <u>7-17-0</u>	1		
4. Identification of	f Systems <u>DH PUMP 1-1</u>	SUCTION LINE	33A-GCB	-8-H11 A114			
5. (a) Applicable	Construction Code _ANSI	B31.1 Ed	ition 19 <u>67</u>	Addendum <u>N</u>	<u>/A</u>	Code Case	VA
(b) Applicable	Edition of Section XI Utiliz	zed for Repairs or	Replaceme	ents 19 <u>86</u>			
•••••	sponsibilities		-				
(c) Design He						······································	
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement (Compo	nents	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 Stampe
SNUBBER	ITT GRINNELL	16826	N/A	A114	N/A	REPLACED	No
SNUBBER	ITT GRINNELL	21306	N/A	A114	N/A	REPLACEMENT	No
							<u> </u>
					 	·	<u> </u>
			ļ			·	
		7. Descript	lion of Worl	<u> </u>	<u> </u>	I	
TT GRINNELL SNUBBE	R S/N 16826 WAS REMOVED AN	D REPLACED WITH L	IKE-FOR-LIKE	SNUBBER SAN 21306. F		MENT SNUBBER	
N 21306 WAS REBUIL	TUNDER MWO# 1-07-0515-05 A	ND WAS FUNCTIONAL	LLY TESTED	SATISFACTORILY.			
				<u> </u>			
					<u> </u>	· · · · · · · · · · · · · · · · · · ·	
						<u></u>	
8. Tests Conducted:	Hydrostatic (NO) PressureN/A		Norr	vinal Operating Press Test Temperature_		· _ ·)
Pressure Rel		<u> </u>					
	Service_N/A			Size <u>N/A</u>		<u> </u>	-
	Opening Pressure	<u>N/A</u>		Blowdown (if app	licable) <u> </u>	
	Set Pressure and Blowdo	own Adjustments I	Made Using	<u>N/A</u>	at Holim	•	
·						•	
	at_N/A			Location 1		······	

FC	DRM NIS-2 /NR-1 / NVR-1
	8. REMARKS Applicable Manufacturere Data Reports to be Attached
VA	
C	ERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are c the ASME Code Section XI.	
· , , , , , , , , , , , , , , , , , , ,	horization No. 20 Expiration Date 7-17-01
Signed H. W. Stevens Q9 Nuclea	ar Bafety & Inspection Manager Date 7/9/- 19.99
I, the undersigned, holding a valid commission issued by the I	port during the period <u>IV 53147</u> to <u>175149</u> , and state enformed examinations and taken corrective measures
examinations and corrective measures described in the Owner shall be liable in any manner for any personal injury or proper this inspection.	yer makes any warranty, expressed or implied, concerning the er's Report. Furthermore, neither the inspector nor his employer ty damage or a loss of any kind arising from or connected with Commissions <u>NB 9330</u> <u>N I A</u> OHO
We pertify that the statements made in this report are correc	National Board, State, Province and Endorsements CERTIFICATE OF COMPLIANCE t and the repair, modification, or replacement of the pressure
relief device described above conforms to Section XI and Se defined in publications NB-65 and NB-102, current editions.	ction III of the ASME Code and the National Board rules as
Certificate of Authorization No. <u>316</u> to use the "VF	
Certificate of Authorization No to use the "NF	R" stamp expiresJuly 17,2001 Nuclear Safety & Inspection Manager
Date, 19, Signed <u>Toledo Edison</u> Repeir Organization	Außtodzed Representative Tile
	CERTIFICATE OF INSPECTION
	National Board of Bolier and Pressure Vessel Inspectors, and
certificate of competency issued by the State or Province of	
	ation, or replacement described in this report
on, 19 and state that to the best of my k constructed in accordance with Section XI and Section III of t NB-102, current editions.	nowledge and bellef, this repair, modification, or replacement has been made or he ASME Code and the National Board rules as defined in the publication NB-65 a
By signing this certificate, neither the inspector nor his emplo repair, modification or replacement described in this report. Illable in any manner for any personal injury or property dama this inspection.	over makes any warranty, expressed or implied, concerning the Furthermore, neither the inspector nor his employer shall be age or a loss of any kind arising from or connected with
- · · · ·	Commissions
Authorized Inspector's Signature Date	National Board, State, Province and Endorsements
3	* Factory Mutual Engineering Association
	* FACTORY MUTURE INS. CO.

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1. Owner <u>Toled</u>	o Edison Company		Date	7/7/99		<u> </u>	
	Nerre Adison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
2. Plant <u>Davis</u> -	Besse Nuclear Power Sta	tion	Unit	#1			
	i. SR 2. Oak Harbor. OH 4		V	O # 98-000140-000		· · · · · · · · · · · · · · · · · · ·	
	By Toledo Edison (Type Code	Repair Organization P.O. No. Stamp <u>NR</u>	, JOD 149., 0	·····	
	SR 2. Oak Harbor, OH 4						
				ation Date7-17-0			
A Identification of	SystemsDH REMOVA	L COOLER 1-1 TO	RCS 33E	-GCB-10-H13 A11	6		<u> </u>
	Construction Code ANS					Code Case N	//A
	Edition of Section XI Utilia						
(c) Design Re	sponsibilities ITT GRIM	INELL					
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement (Compo	nents	
	•						
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	Mational Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
SNUBBER	ITT GRINNELL	10119	N/A	A-116	N/A		No
SNUBBER	ITT GRINNELL	14204	N/A	A-116	N/A	REPLACEMENT	No
			ļ		}		
						<u> </u>	
	R SAN 10119 WAS REMOVED AN	7. Descript	tion of Worl	K SNUBBER 6/N 14204. F		MENT SNUBBER	
	UNDER WO# \$8-000740-000 A	ND WAS FUNCTIONAL	LY TESTED S	ATISFACTORILY.			
I GRANNELL BROBBE			<u></u>				
N 14204 WAS REBUIL				and the second			
IT GRINNELL BRODDEN							
IT GAINNELL BROBBEI							
IT GANNELL BROBBE	•						
IT LEGANACEL BACOBEL							
N 14204 WAS REBUIL		Pneumatic (NO)	Norr	ninal Operating Pres	sure (NO) Other (NG	
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO)		ninal Operating Pres Test Temperature_		•)
/N 14204 WAS REBUIL	Pressure <u>N/A</u> lie! Valves:	psi		Test Temperature_		•)
8. Tests Conducted:	Pressure <u>N/A</u> jet Valves: Service <u>N/A</u>	psi		Test Temperature	N/A	•F) -
8. Tests Conducted:	Pressure <u>N/A</u> ief Valves: Service <u>N/A</u> Opening Pressure	psi		Test Temperature SizeN/A Blowdown (if ap	N/A	•F)
8. Tests Conducted:	Pressure <u>N/A</u> jet Valves: Service <u>N/A</u>	psi		Test Temperature SizeN/A Blowdown (if ap	N/A	•F	

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	FORM NIS-2 /NR-1 / NVR-1	
	9. REMARKS Applicable Manufacturers Data Reports to be A	tached
/A		
	· · · · · · · · · · · · · · · · · · ·	
	CERTIFICATE OF COMPLIANCE	
We certify that the statements ma the ASME Code Section XI.	ade in the report are correct and this <u>replacement</u> conforms to the rules of	
Type Code SymbolNR	Certificate of Authorization No. 20 Expiration Date 7-17-01	
signed H. W. Stevens	Ourser or Owners Designee, The	
-		
the understand helding a unlid com	CERTIFICATE OF INSERVICE INSPECTION mission issued by the National Board of Boller and Pressure Vessel Inspectors in the	
	amplayed by Protection Mutual of Kark FUCUE, MINUS	
the second the components deciti	bed in this Owner's Report during the period _1116 97 to _72019, and state elief, the Owner has performed examinations and taken corrective measures	
hat to the best of my knowledge and be described in this Owner's Report in acc	cordance with the requirements of the ASME Code, Section XI.	
	nspector nor his employer makes any warranty, expressed or implied, concerning the described in the Owner's Report. Furthermore, neither the inspector nor his employer	
	arsonal injury or property damage or a loss of any kind ansing from or connected with	
this inspection.		
Thomas & dam	Tao 49 Commissions NB9330 N I A OHID Date National Board, State, Province and Endorsements	.•
Inspector's Signature	Date National Board, State, Province and Endorsements	-
~		
We certify that the statements made in	CERTIFICATE OF COMPLIANCE	
We certify that the statements made in relief device described above conforms defined in publications NB-65 and NB-	n this report are correct and the repair, modification, or replacement of the pressure is to Section XI and Section III of the ASME Code and the National Board rules as	
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relief device described above conforms defined in publications NB-65 and NB- Certificate of Authorization No. <u>316</u>	n this report are correct and the repair, modification, or replacement of the pressure is to Section XI and Section III of the ASME Code and the National Board rules as -102, current editions. 6to use the "VR" stamp expiresDec. 13,2001	
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FORM	NIS-2 / NR-1 / NVR-1 As Required	-OWNER'S RE	PORT FO	R REPAIRS OR	REP	LACEMENTS			
1. Owner Toled	o Edison Company		Date	4/13/99					
	Num 300 Madison Ave., Toledo, OH 43652								
	-Besse Nuclear Power Sta		Unit	<u>#1</u>					
	Neme N. SR 2. Oak Harbor, OH 4			NO# 98-000141-000					
	Address			Repair Organization P.O. No Stamp <u>NR</u>	s., Job No _v ,	etc.			
3. Work Performed	Name			zation N020					
5501	N. SR 2. Oak Harbor. OH 4	3449							
			-	ation Date					
4. Identification of	Systems <u>Decay Heat</u>	Cooler 1-1 to ISO V	alve 33B	<u>-GCB-10-H32 (SUE</u>	<u>3sys o</u>	49-02)			
5. (a) Applicable	Construction Code _ANS	B31.1 Ed	ition 19 <u>67</u>	Addendum <u>N</u>	/A	Code Case	VA.		
(b) Applicable	Edition of Section XI Utilia	zed for Repairs or	Replaceme	ents 19 <u>86</u>					
	sponsibilities ITT Grt n								
					_				
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement C	Compo	nents			
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	ITT Grinnell	7977	N/A	A-123	N/A	Replaced	No		
Snubber	ITT Grinnell	8018	N/A	A-123	N/A	Replacement	No		
					 				
<u> </u>									
		7. Descript	tion of Worl			hullt sundag			
	7977 was removed and replace unctionally tested satisfactory p		IUDDer S/N SU	18. Heplacement Enuble		Duul ender	<u> </u>		
MHU 14740515-13 804 1									
				· · · · · · · · · · · · · · · · · · ·					
	•		·						
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO) psi		inal Operating Press Test Temperature	•))		
Pressure Rel									
				SizeN/A					
	Opening Pressure			Blowdown (if app	licable) <u> </u>			
	Set Pressure and Blowdo	wn Adjustments N	<i>l</i> iade Using	N/A	et Hedium .				
	atN/A			Leontion			- 101		
Information in ite	i sheets in the form of J ms i through 6 on this re ded at the top of this fo	port is included	r drawings on each she	may be used, provide set, and (3) each she	eet is	numbered and the	number		

		0RM NIS-2 /NR-1 / NVR-1 -	
		9. REMARKS Applicable Manufacturers Data Reports to be Attached	
VA			
	·····		
	C	ERTIFICATE OF COMPLIANCE	
We certify that the statements ma the ASME Code Section XI.	de in the report are co	orrect and this replacement conforms to the rules of	
Type Code SymbolNR	Certificate of Auth	horization No20 Expiration Date7-17-01	
Signed NN. Star	Nuclear	r Safety & Inspection Manager Date 4/14 19 79	
		CATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid comm	inclose increased by the M	tational Roam of Roller and Pressure Vessel inspectors in the	
that to the heat of my knowledge and he	lef. the Owner has per	port during the period <u>1/- 1/2 · 97</u> to <u>4/-15 · 97</u> , and state promed examinations and taken corrective measures	
described in this Owner's Report in acco	rdance with the requir	rements of the ASME Code, Section XI.	
Du elemine this certificate neither the Ins	nector nor his employ	ver makes any warranty, expressed or implied, concerning the	
avaniantions and competite massings d	lescribed in the Owner	are Report. Furthermore, neither the inspector hor his employer	
	sonal injury or property	ty damage or a loss of any kind arising from or connected with	
this inspection.		· ····································	
Bind	<u>4-15-95</u> c	Commissions <u>N/S 9 801 N E H Cumm</u> National Board, State, Province and Endorsements	
Inspector's Signature	Date	Namolal Board, Grane, Frontine and Christeenheine	
Manager that the statements mode in	this report are correct	CERTIFICATE OF COMPLIANCE	
We certify that the statements made in relief device described above conforms defined in publications NB-65 and NB-1	this report are correct to Section XI and Sec	CERTIFICATE OF COMPLIANCE t and the repair, modification, or replacement of the pressure ction III of the ASME Code and the National Board rules as	
relief device described above conforms defined in publications NB-65 and NB-1	this report are correct to Section XI and Sec 02, current editions.	and the repair, modification, or replacement of the pressure	
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relief device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No Certificate of Authorization No	this report are correct to Section XI and Sec 02, current editions. to use the "VR" to use the "NR d Toledo Edison Reper Organization	t and the repair, modification, or replacement of the pressure ction III of the ASME Code and the National Board rules as t [*] stamp expires	
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			Deta	4/13/99			
	o Edison Company			heet 1 of 1			
	adison Ave., Toledo, OH 4		3	veet i oi T			
2. Plant <u>Davis</u>	Besse Nuclear Power Sta	tion	Unit	#1			
	N. SR 2. Oak Harbor. OH 4		'	VO# 98-000142-000 Repair Organization P.O. No	., Job No., e	vic.	
3. Work Performe	d ByToledo Edison (Company	Type Code	Stamp NR			
<u> </u>	N. SR 2. Oak Harbor. OH 4	3449	Authoriz	zation N020_			
	#40-++		Expira	ation Date7-17-0	1		
A Identification of	f Systems <u>Decay Heat (</u>	Cooler 1-1 to ISO \	alve 33B	-GCB-10-H32_(SUE	ISYS 0	49-02)	•
			ition 19 <u>67</u>			Code Casa N	76
•••••	Construction Code _ANSI				<u>A</u>	Code Case I	
•••••	Edition of Section XI Utilia		Replaceme	onts 19 <u>86</u>			
(c) Design Re	sponsibilitiesITT Grin	nell					
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement (Compo	nents	
Name of Component	Rame of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Co Star
Snubber	ITT Grinnell	8004	N/A	A-124	N/A	Replaced	N
Snubber	ITT Grinnell	8906	N/A	A-124	N/A	Replacement	N
					ļ		
		<u> </u>					
		7. Descript	tion of Work	۲ <u>ــــــــــــــــــــــــــــــــــــ</u>	<u> </u>		
	8004 was removed and replace		ubber S/N 89	06. Replacement snubbe	r was rei	built under	
WO 1-88-1135-00 and 1	unctionally tested satisfactory p	rior to installation.					
				······			
			<u></u>			·····	
				<u>. </u>			
			•				
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO) psl		inal Operating Press Test Temperature_	-	-))
Pressure Rel	ief Valves:						
				SizeN/A			
	Opening Pressure			Blowdown (if app	licable)N/A	
	Set Pressure and Blowdo	wn Adjustments I	Viade Using	N/A			
		•	-	(1)	at Hodium (

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	FC	DRM NIS-2 /NF	(•1 / •11•11-1	
		9. REMARKS		Applicable Manufacturers Data Reports to be Attached
VA				
	· · · · · · · · · · · · · · · · · · ·			······
	· ···		<u> </u>	
				······································
We certify that the statements mad the ASME Code Section XI.	-	CERTIFICATE OF Contract and this may		
Type Code Symbol NR				xpiration Date
Signed Q. W. Storen	Owner or Owner's Designe	r Safety & Inspection e, Tile	Manager Date	<u>4/14</u> 19 <u>99</u>
I, the undersigned, holding a valid commis State or Province of <u>Ohio</u> and en have inspected the components describe that to the best of my knowledge and belle described in this Owner's Report in accom	ssion issued by the f nployed byF id in this Owner's Re ef, the Owner has pe	Protection Mutual * port during the perio prormed examination	ller and Pressu of <u>Park F</u> d <u>//-/8-97</u> hs and taken co	re Vessel Inspectors in the Ridge, Illinois to <u>4-15-99</u> , and state prective measures
By signing this certificate, neither the Insp examinations and corrective measures de shall be liable in any manner for any perso this inspection.	bector nor his employ escribed in the Owne onal injury or proper	yer makes any warra er's Report, Furthern ly damage or a loss (nty, expressed nore, neither th of any kind aris	i or implied, concerning the to inspector nor his employer ting from or connected with
Inspectory Signature	<u>47-15-55</u> Dete	Commissions <u>NB</u> National E	oard, State, Prov	I A COM M Ince and Endorsements
We certify that the statements made in the relief device described above conforms to defined in publications NB-65 and NB-10 Certificate of Authorization No316	o Section XI and Sec 12, current editions.	tion III of the ASME	Code and the I	National Board rules as
Certificate of Authorization No. <u>20</u>		* stamp expires	July 17	Nuclear Salety &
Date, 19, Signed_	Toledo Edison Repeir Organization	Authorized Representat		Inspection Manager TNo
······································	C	ERTIFICATE OF I	NSPECTION	
				re Vessel Inspectors, and oction Mutual *
certificate of competency issued by the St		Ohio and emplo	yed by Prote	ection Mutual *
pertificate of competency issued by the St of <u>Park Fidge, Kinols</u> have inspected on, 19 and state that constructed in accordance with Section XI	ate or Province of d the repair, modifica to the best of my kni	Ohic and emploition, or replacement cwiedge and beilet, t	ryed by <u>Prote</u> described in th his repair, mod	ection Mutual *
on, 19 and state that	ate or Province of d the repair, modifica to the best of my knu l and Section III of th pector nor his employ tbed in this report. F	Ohio and emploition, or replacement owledge and bellet, the ASME Code and t yer makes any warrs outhermore, neither	yed by <u>Prote</u> described in th this repair, mod he National Bou nity, expressed the Inspector n	ction Mutual * ils report fification, or replacement has been made or ard rules as defined in the publication NB-65 d or implied, concerning the or his employer shall be
certificate of competency issued by the St of <u>Park Fidge, Kinois</u> have inspected on, 19 and state that constructed in accordance with Section XI NB-102, current editions. By signing this certificate, neither the Insp repair, modification or replacement descri liable in any manner for any personal inju- tion branewice.	ate or Province of d the repair, modifica to the best of my knu l and Section III of th pector nor his employ thed in this report. F my or property damage	Ohio and emplo tion, or replacement owledge and bellef, the ASME Code and t yer makes any warrs unthermore, neither ge or a loss of any ki Commissions	yed by <u>Prote</u> described in the this repair, mod he National Boo he National Boo he National Boo he inspector ne nd arising from	ction Mutual * ils report fification, or replacement has been made or ard rules as defined in the publication NB-65 or implied, concerning the or his employer shall be or connected with
certificate of competency issued by the St of <u>Park Fidge, Kinois</u> have inspected on, 19 and state that constructed in accordance with Section XI NB-102, current editions. By signing this certificate, neither the Insp repair, modification or replacement descri liable in any manner for any personal inju- tion branewice.	ate or Province of d the repair, modifica to the best of my knu l and Section III of th pector nor his employ thed in this report. F my or property damage	Ohio and emplo tion, or replacement owledge and bellef, the ASME Code and t yer makes any warrs unthermore, neither ge or a loss of any ki Commissions	yed by <u>Prote</u> described in the this repair, mod he National Boo he National Boo he National Boo he inspector ne nd arising from	ction Mutual * ils report fification, or replacement has been made or ard rules as defined in the publication NB-65 d or implied, concerning the or his employer shall be

		m	Date	5/2/00			
	o Edison Company						
300 Madison Ave., Toledo, OH 43652			5	heet 1 of <u>1</u>			
2. Plant <u>Davis</u>	Besse Nuclear Power Sta	tion		#1			
5501 N. SR 2. Oak Harbor. OH 43449			C. 08.	00373-000,003,99-11	96-000		
	ByToledo Edison C			Repair Organization P.O. I Stamp <u>NR</u>	to., Job No.	, etc.	
5501	I. SR 2. Oak Harbor. OH 4:	3449		ion N0 20			
			Expiration	on Date7-17-0	1		
4. Identification of	Systems <u>Pressurizer S</u>	Spray Valve B	C2 (Su	bsys 064-04)			_
	-		ition 19 <u>68</u>	Addendum N	/A	Code Case N	1/Δ
	Construction CodeASM				4		
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	splacements	s 19 <u>86</u>			
(c) Design Res	ponsibilities <u>Velan Er</u>	ngineering Co , To	ledo Edisor	n Co			
						· · · · · · · · · · · · · · · · · · ·	
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement Co	ompone	ints	1
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board MO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASM Cod Stam
Valve Bonnet	Velan Engineering Co	HT Code 62719	N/A	RC2	1974	Replaced	No
Valve Bonnet	Velan Engineering Co	13691	N/A	RC2	19 99	Replacement	No
Dics	Velan Engineering	F9152	N/A	RC2	1999	Replacement	No
Stem	Velan Engineering	HT# J8746	N/A	RC2	1999 1999	Replacement Replacement	No No
2-5/8" Studs	Nova Machine	HT# 712917	N/A	RC2	1933	періясетен	
		7. Descript	Hop of Mort		I	L <u></u>	1
emoved existing valve	bonnet heat code 62719 and rep	aced it with a like for i	like bonnet se	rial # 13691. Replaced ex	isting ste	m and dics.	
	T pipe, installed a 1/8" threaded						
	and a VT-2 leakage test was per						
	•						
			<u>.</u>				
		· · · · · · · · · · · · · · · · · · ·					
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>2128</u>	Pneumatic (NO) psi		inal Operating Press est Temperature	-))
Pressure Reli							
	Service_N/A			SizeN/A			
				Blowdown (if applica	able)	N/A	
	Opening Pressure	<u> </u>		Diondonn (ii applio			
	Opening Pressure Set Pressure and Blowdov						

FORM N	IS-2 /NR-1 / NVR-1 -
	REMARKS Applicable Manufacturers Data Reports to be Attached
VA	
CERTIFIC	CATE OF COMPLIANCE
We certify that the statements made in the report are correct at the ASME Code Section XI.	
Type Code Symbol NR Certificate of Authorization	n No20 Expiration Date7-17-01
aller FF A Augure and	Inspection Manager Date 5/3/255
Signed Owner or Owner's Designee, Title	The Date Hate
I the undersigned holding a valid commission issued by the National	F INSERVICE INSPECTION Board of Boller and Pressure Vessel Inspectors in the Ins. Co.* ofJohnston, B.L
State or Province of <u>Ohio</u> and employed by <u>Factory Mutua</u> have inspected the components described in this Owner's Report duri	ng the period 31599 to 5400, and state
that to the best of my knowledge and belief, the Owner has performed described in this Owner's Report in accordance with the requirements	examinations and taken corrective measures
By signing this certificate, neither the Inspector nor his employer make	s any warranty, expressed or implied, concerning the
examinations and corrective measures described in the Owner's Repo shall be liable in any manner for any personal injury or property dama	rt. Furthermore, neither the inspector nor his employer
this inspection.	ALLA TATION
The USAN ANIT ELLAND	NR 0220 NT A SERVI
	Sions NB 9330 NIA OHIO National Board, State, Province and Endorsements
	CATE OF COMPLIANCE
CERTIFI We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III	CATE OF COMPLIANCE repair, modification, or replacement of the pressure f the ASME Code and the National Board rules as
CERTIFI We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions.	CATE OF COMPLIANCE repair, modification, or replacement of the pressure f the ASME Code and the National Board rules as expires Dec. 13, 2001. expires July 17, 2001.
CERTIFIE We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp Certificate of Authorization No. <u>20</u> to use the "NR" stamp	CATE OF COMPLIANCE repair, modification, or replacement of the pressure f the ASME Code and the National Board rules as expires
CERTIFIC We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp Certificate of Authorization No to use the "NR" stamp Date, 19, Signed Toledo Edison	CATE OF COMPLIANCE repair, modification, or replacement of the pressure of the ASME Code and the National Board rules as expires Dec. 13, 2001. expires July 17, 2001. Nuclear Safety &
CERTIFIC We certily that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp Certificate of Authorization No to use the "VR" stamp Date, 19, Signed Toledo Edison Reper Organization A	CATE OF COMPLIANCE repair, modification, or replacement of the pressure if the ASME Code and the National Board rules as expires
CERTIFI We certily that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp Certificate of Authorization No to use the "NR" stamp Date, 19, Signed Toledo Edison Repair Organization A CERTIFI	CATE OF COMPLIANCE repair, modification, or replacement of the pressure f the ASME Code and the National Board rules as expires
CERTIFI We certily that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No16to use the "VR" stamp Certificate of Authorization Noto use the "VR" stamp Date, 19, Signedto use the "NR" stamp Date, 19, Signed Reper OrganizationA CERTIFI I, the undersigned, holding a valid commission issued by the National	CATE OF COMPLIANCE repair, modification, or replacement of the pressure f the ASME Code and the National Board rules as expires
CERTIFI We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp Certificate of Authorization No to use the "VR" stamp Date, 19, Signed Toledo Edison Reper Organization A CERTIFI I, the undersigned, holding a valid commission issued by the National certificate of competency issued by the State or Province of Ohio	CATE OF COMPLIANCE repair, modification, or replacement of the pressure if the ASME Code and the National Board rules as expires
CERTIFI We certily that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp Certificate of Authorization No20 to use the "VR" stamp Date, 19, SignedToledo Edison 	CATE OF COMPLIANCE repair, modification, or replacement of the pressure if the ASME Code and the National Board rules as expires
CERTIFI We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp Certificate of Authorization No to use the "NR" stamp Date, 19, Signed Toledo Edison Reper OrganizationA CERTIFI I, the undersigned, holding a valid commission issued by the National certificate of competency issued by the State or Province ofOhio of have inspected the repair, modification, or	CATE OF COMPLIANCE repair, modification, or replacement of the pressure f the ASME Code and the National Board rules as expires
CERTIFI We certily that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III e defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp Certificate of Authorization No to use the "VR" stamp Date, 19, Signed Toledo Edison Reper Organization CERTIFI I, the undersigned, holding a valid commission issued by the National certificate of competency issued by the State or Province of of have inspected the repair, modification, or on, 19 and state that to the best of my knowledge constructed in accordance with Section XI and Section III of the ASME	CATE OF COMPLIANCE repair, modification, or replacement of the pressure if the ASME Code and the National Board rules as expires
CERTIFI We certily that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III e defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp Certificate of Authorization No20 to use the "NR" stamp Date, 19, SignedToledo Edison Reper OrganizationA CERTIFI I, the undersigned, holding a valid commission issued by the National certificate of competency issued by the State or Province ofOhio of Johnston, R.I have inspected the repair, modification, or on, 19 and state that to the best of my knowledg constructed in accordance with Section XI and Section III of the ASME NB-102, current editions. By signing this certificate, neither the inspector nor his employer mak repair, modification or replacement described in this report. Furtherm liable in any manner for any personal injury or property damage or a l this inspection.	CATE OF COMPLIANCE repair, modification, or replacement of the pressure if the ASME Code and the National Board rules as expires
CERTIFI We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp Certificate of Authorization No20 to use the "NR" stamp Date, 19, SignedToledo Edison 	CATE OF COMPLIANCE repair, modification, or replacement of the pressure if the ASME Code and the National Board rules as expires

		LY 116 1 104101010		E Code Section XI			-	
1. Owner <u>Toled</u>	o Edison Company							
300 M	adison Ave., Toledo, OH 4	3652	Chart 1 of 1					
	Addr one		Unit	#1				
2. Plant <u>Davis-Besse Nuclear Power Station</u> Nume 5501 N. SR 2. Oak Harbor, OH 43449				WO 98-000456-002				
	a different			Repair Organization P.O. No.	., Jeb No., e	NC.		
	By Toledo Edison (••	Stamp <u>NR</u>	•			
5501	N. SR 2. Oak Harbor, OH 4	3449		zation N020				
			Expire	ation Date <u>7-17-0</u>	1			
4. Identification of	Systems <u>Decay Heat e</u>	and Low Pressure	Injection R	<u>01515 (Subsys 049</u>	-02)			
			ition 19 <u>71</u>			Code Case N	I/A	
••••	Construction Code <u>ASM</u>							
(b) Applicable	Edition of Section XI Utiliz	zed for Repairs or	Replaceme	ents 19 <u>86</u>				
(c) Design Re	sponsibilities <u>Toledo I</u>	Edison Co.			<u> </u>			
			Banlass	and Bankasamant (200000		_	
<u> </u>	6. Identification of Comp	onents Hepairea c	or Heplaced	and Replacement v			[
Mane of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board MO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASM Cod Stam	
Studs 5/8-11x3-3/4"	Nova	n/a	n/a	Ht 715200	Unk	Replacement	No	
Studs 5/8-11x3-1/4"		n/a	n/a	Ht 707814	Unk	Replacement	No	
Nuts 5/8-11	Nova, Cardinal	n/a	n/a	n/a	Unk	Replacement	No	
			ļ		 		┨───	
			<u> </u>					
· · · · · · · · · · · · · · · · · · ·		7. Descript	tion of Worl	<u> </u>		<u> </u>	J	
Specification M-200 rept	lires bolling to be replaced with	\$A564, Gr630, when J	oint is disasse	mbled. Replaced 8 stud	s (SA56	t, Gr 630) and 16 nuts		
54 194 Gr #N) on 801	515. Replaced 4 studs (SA564,	Gr630), 4 studs (SA193	3, Gr B8) and 1	16 nuts (SA194, Gr8M) on	i Kange i	south of RO1515. Rem	haining	
SA 193, Gr B8 studs will	be replaced at a later date when	n they become availabl	ie. Alt material	is installed are referrence	ed and N	sted in this work order	r	
After installation, a VT-2	inservice test was performed a	atisfactory.						
						·		
	•							
<u> </u>		 		<u> </u>				
8. Tests Conducted	: Hydrostatic (NO) Pressure <u>N/A</u>			ninal Operating Pres Test Temperature_))	
Pressure Re								
	••••••• <u>•••</u> ••••			Size <u>N/A</u>			-	
	Opening Pressure	N/A		Blowdown (if ap	plicable	e)N/A		
	• •							
	Set Pressure and Blowd	own Adjustments i	Made Using	<u>, N/A</u>	net Hullins	J		

. . .

			M NIS-2/NR-1		
NA			S. REMARKS	Applicable	Venutacturers Data Reports to be Attached
				· · · · · · · · · · · · · · · · · · ·	
		CER	TIFICATE OF COM	PLIANCE	
We certify that the the ASME Code S	statements made Section XI.	in the report are corre	ect and this <u>replace</u>		forms to the rules of
Type Code Symbo	NR	Certificate of Authori	zation No. 20	_ Expiration Date	7-17-01
d'n	15th	Λ			
Signed	. Shovene	Nuclear Sa wher or Owner's Designee. This	fety & Inspection Manag	er Date	_
		fwner er Owner's Designee, 'Titl	•		
the understand helds		CERTIFICA	TE OF INSERVICE	NSPECTION	
, the undersigned, holdin State or Province of	Ohio and empl	on issued by the Nation	Mal Board of Boiler an	d Pressure Vessel Insp	ectors in the
State or Province of have inspected the comp that to the best of my kno	onents described in	this Owner's Report	during the period	Jonnston, H.I.	2 and shall
hat to the best of my kno tescribed in this Oursets	wledge and belief, I	he Owner has perfor	ned examinations and	taken corrective meas	_ ; eu 10 \$1219 U/BS
lescribed in this Owner's	Heport in accordar	ce with the requirem	ents of the ASME Cod	e, Section XI.	
By signing this certificate, examinations and correct	neither the Inspect	or nor his employer a			•
hall be liable in any man	ner for any persona	l injury or property da	mage or a loss of any	kind arising from or cor	nected with
ils inspection.	21				
23 /24		5-17-00 Com	nissions KA 9131	N I H	ettis
spector's Signatury		Date	National Board, S	tate Prevince and Endam	CJ @7/71
		CERT Port are correct and	TRICATE OF COMP	LIANCE	pressure rules as
iefined in publications NE	3-65 and NB-102, c	CERT sport are correct and ction XI and Section I urrent editions.	TRICATE OF COMP the repair, modification II of the ASME Code (LIANCE n, or replacement of the and the National Board	Pressure rules as
efined in publications NE	3-65 and NB-102, c	CERT sport are correct and ction XI and Section I urrent editions.	TRICATE OF COMP the repair, modification II of the ASME Code (LIANCE n, or replacement of the and the National Board	rdes as
efined in publications NE Certificate of Authorization	-65 and NB-102, c	CERT sport are correct and ction XI and Section I urrent editions. to use the "VR" star	TRCATE OF COMP the repair, modification II of the ASME Code of np expiresD	LIANCE n, or replacement of the and the National Board ac. 13 , 2001	rdes as
efined in publications NE Certificate of Authorization	-65 and NB-102, c	CERT sport are correct and ction XI and Section I urrent editions. to use the "VR" star	TRCATE OF COMP the repair, modification II of the ASME Code of np expiresD	LIANCE n, or replacement of the and the National Board ac. 13	rdes as
effined in publications NE certificate of Authorization certificate of Authorization	n No. <u>20</u>	CERT oport are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star	TRCATE OF COMP the repair, modification II of the ASME Code of np expiresD	LIANCE n, or replacement of the and the National Board ec. 13 , 2001 dv 17 , 2001 Nuclear Safety &	rdes as
effined in publications NE certificate of Authorization certificate of Authorization	n No. <u>20</u>	CERT eport are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star	TRCATE OF COMP the repair, modification II of the ASME Code of np expiresD	LIANCE n, or replacement of the and the National Board ac. 13	rdes as
effined in publications NE entificate of Authorization entificate of Authorization	n No. <u>20</u>	CERT eport are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star	TRICATE OF COMP the repair, modification III of the ASME Code of np expiresDu	LIANCE n, or replacement of the and the National Board ec. 13, 2001 dv 17, 2001 Nuclear Safety & Inspection Mana	rdes as
effined in publications NE entificate of Authorization entificate of Authorization ate, 19_	No. <u>316</u> No. <u>20</u> Signed <u>To</u>	CERT oport are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star do Edison	TRICATE OF COMP the repair, modification II of the ASME Code a np expires np expires utilized Representative	LIANCE n, or replacement of the and the National Board ac. 13 , 2001 dv 17 , 2001 Nuclear Safety & Inspection Mana Tite	ndes as ger
effined in publications NE entificate of Authorization entificate of Authorization ate, 19_	No. <u>316</u> No. <u>20</u> Signed <u>To</u>	CERT oport are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star do Edison	TRICATE OF COMP the repair, modification II of the ASME Code a np expires np expires utilized Representative	LIANCE n, or replacement of the and the National Board ac. 13 , 2001 dv 17 , 2001 Nuclear Safety & Inspection Mana Tite	ndes as ger
efined in publications NE certificate of Authorization certificate of Authorization nate, 19, the undersigned, holding	a valid commission	CERT aport are correct and in- ction XI and Section in arrent editions. to use the "VR" star to use the "NR" star to use the "NR" star to use the "NR" star to use the "NR" star CERTING issued by the National CERTING issued by the National	TRICATE OF COMP the repair, modification II of the ASME Code a np expires np expires http://www.compares.com/ inficated Representative IFICATE OF INSPEC	LIANCE n, or replacement of the and the National Board ac. 13, 2001 ac. 13, 2001 ac. 13, 2001 Nuclear Safety & Inspection Mana Tite CTION Pressure Vessel Inspect	iger
efined in publications NE certificate of Authorization entificate of Authorization nate, 19 the undersigned, holding ritificate of competency is	a valid commission sued by the State of	CERT aport are correct and to ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star to	TRICATE OF COMP the repair, modification II of the ASME Code a np expires np expires http://www.compares.com/ inficated Representative IFICATE OF INSPEC	LIANCE n, or replacement of the and the National Board ac. 13, 2001 dv 17, 2001 Nuclear Safety & Inspection Mana Tite CTION Pressure Vessel Inspec Factory Mutual Ins. Co.	iger
efined in publications NE entificate of Authorization ertificate of Authorization late, 19, the undersigned, holding rtificate of competency is Johnston, R.I	a valid commission sued by the State of have inspected the	CERT aport are correct and it ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the use to us	TFICATE OF COMP the repair, modification II of the ASME Code a np expires mp expires mp expires Minetzed Representative IFICATE OF INSPEC al Board of Boller and <u>ko_</u> and employed by pr replacement describ	LIANCE n, or replacement of the and the National Board ac. 13, 2001 ac. 13, 2001 Nuclear Safety & Inspection Mans Tile CTION Pressure Vessel Inspec Factory Mutual Ins. Co. bed in this report	iger
terined in publications NE certificate of Authorization certificate of Authorization nate, 19, the undersigned, holding relificate of competency is Johnston, R.I	a valid commission sued by the State of have inspected the	CERT aport are correct and it ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the use to us	TFICATE OF COMP the repair, modification II of the ASME Code a np expires mp expires mp expires Minetzed Representative IFICATE OF INSPEC al Board of Boller and <u>ko_</u> and employed by pr replacement describ	LIANCE n, or replacement of the and the National Board ac. 13, 2001 ac. 13, 2001 Nuclear Safety & Inspection Mans Tile CTION Pressure Vessel Inspec Factory Mutual Ins. Co. bed in this report	rules as ger
terined in publications NE certificate of Authorization certificate of Authorization bate, 19, the undersigned, holding reficate of competency is Johnston, R.I, 19, , 19, , 19, , 19, , 19, , 19	a valid commission sued by the State of have inspected the and state that to the with Section XI and	CERT oport are correct and i ction XI and Section I urrent editions. to use the "VR" star to use the "NR"	TFICATE OF COMP the repair, modification ill of the ASME Code a np expires mp expires utbotzed Representative IFICATE OF INSPEC al Board of Boller and the and employed by or replacement describ ge and belief, this repair IE Code and the Natio	LIANCE n, or replacement of the and the National Board ac. 13, 2001 Nuclear Safety & Inspection Mana Tile CTION Pressure Vessel Inspec Factory Mutual Ins. Co. Red In this report air, modification, or replaced mail Board rules as defined and Board rules as defined	acement has been made or ned in the publication NB-65 and
terined in publications NE certificate of Authorization certificate of Authorization certificate of Authorization the undersigned, holding rtificate of competency is Johnston, R.I. 	a valid commission sued by the State of have inspected the and state that to the with Section XI and	CERT aport are correct and i ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star to use the "NR" star CERT issued by the Nation r Province ofOf repair, modification, c a best of my knowled Section ill of the ASN	TRICATE OF COMP the repair, modification II of the ASME Code of mp expires	LIANCE n, or replacement of the and the National Board ac. 13, 2001 Nuclear Safety & Inspection Mana Tite CTION Pressure Vessel Inspect Factory Mutual Ins. Co. Sed In this report air, modification, or replacement air, modification, or replacement and Board rules as definition	iger ctors, and accement has been made or ned in the publication NB-65 and
telined in publications NE certificate of Authorization certificate of Authorization tate, 19 the undersigned, holding rifficate of competency is Johnston, R.I, 19 , 19, , 19 , 19	a valid commission sued by the State of have inspected the and state that to the with Section XI and cement described	CERT port are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star to use the "NR" star constant to use the "NR" star constant constant constant repair, modification, constant section III of the ASN mor his employer man	TFICATE OF COMP the repair, modification ill of the ASME Code a np expiresDu mp expiresDu mp expiresdu under a presentative IFICATE OF INSPEC al Board of Boller and ioand employed by or replacement descrit ge and belief, this repair iE Code and the Nationality and its code and the Nationality and the	LIANCE n, or replacement of the and the National Board ac. 13, 2001 Nuclear Safety & Inspection Mana Tite CTION Pressure Vessel Inspect Factory Mutual Ins. Co. Factory Mutual Ins. Co. and In this report air, modification, or replaced and Board rules as defined pressed or implied, cond	rules as liger ctors, and accement has been made or med in the publication NB-65 and cerning the
telined in publications NE certificate of Authorization certificate of Authorization tate, 19 the undersigned, holding rifficate of competency is Johnston, R.I, 19 , 19, , 19 , 19	a valid commission sued by the State of have inspected the and state that to the with Section XI and cement described	CERT port are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star to use the "NR" star to use the "NR" star constant to use the "NR" star constant constant constant repair, modification, constant section III of the ASN mor his employer man	TFICATE OF COMP the repair, modification ill of the ASME Code a np expiresDu mp expiresDu mp expiresdu under a presentative IFICATE OF INSPEC al Board of Boller and ioand employed by or replacement descrit ge and belief, this repair iE Code and the Nationality and its code and the Nationality and the	LIANCE n, or replacement of the and the National Board ac. 13, 2001 Nuclear Safety & Inspection Mana Tite CTION Pressure Vessel Inspect Factory Mutual Ins. Co. Factory Mutual Ins. Co. and In this report air, modification, or replaced and Board rules as defined pressed or implied, cond	rules as liger ctors, and accement has been made or med in the publication NB-65 and cerning the
effined in publications NE certificate of Authorization certificate of Authorization bate, 19, the undersigned, holding rtificate of competency is Johnston, R.I, 19	a valid commission sued by the State of have inspected the and state that to the with Section XI and relither the Inspectoo coment described if / personal injury or	CERT aport are correct and i ction XI and Section I arrent editions. to use the "VR" star to use the "NR" star to use the "NR" star to use the "NR" star to use the "NR" star CERTI issued by the Nation of CERTI issued by the Nation of Province of repair, modification, of a best of my knowled Section ill of the ASK mor his employer main in this report. Furthen property damage or a 	TRICATE OF COMP the repair, modification ill of the ASME Code a np expiresDu np expiresU unoted Representative IFICATE OF INSPEC al Board of Boller and the and employed by or replacement describ ge and belief, this repa ME Code and the Nation ME Code and the Nation the Start of Engles and the Start of Engles and the Start of Engles and E	LIANCE n, or replacement of the and the National Board ac. 13, 2001 Nuclear Safety & <u>hypection Mans</u> Tile CTION Pressure Vessel Inspect Factory Mutual Ins. Co. Ded In this report air, modification, or repla- onal Board rules as defined pressed or implied, cons- ector nor his employer og from or connected with	rules as
. 19	a valid commission sued by the State of have inspected the and state that to the with Section XI and relither the Inspectoo coment described if / personal injury or	CERT port are correct and ction XI and Section I urrent editions. to use the "VR" star to use the "NR" star centre of the star centre of the star centre of the star repair, modification, c a best of my knowled Section III of the ASK mor his employer man in this report. Furthen property damage or a	TRICATE OF COMP the repair, modification ill of the ASME Code a np expiresDu np expiresU unoted Representative IFICATE OF INSPEC al Board of Boller and the and employed by or replacement describ ge and belief, this repa ME Code and the Nation ME Code and the Nation the Start of Engles and the Start of Engles and the Start of Engles and E	LIANCE n, or replacement of the and the National Board ac. 13, 2001 Nuclear Safety & Inspection Mana Tite CTION Pressure Vessel Inspect Factory Mutual Ins. Co. Factory Mutual Ins. Co. and In this report air, modification, or replaced and Board rules as defined pressed or implied, cond	rules as

	As Hequired	by the Provisions					
1. Owner <u>Toled</u> e	o Edison Company		Date	5/16/00		<u> </u>	
300 Madison Ave., Toledo, OH 43652			S	heet 1 of <u>1</u>			
2. Plant Davis-	Mature Besse Nuclear Power Stat	tion l	Jnit	#1			
Son N. SR 2. Oak Harbor. OH 43449 Address 3. Work Performed By Toledo Edison Company				WO 98-000718-000			
			ype Code S	Repair Organization P.O. I Stamp <u>NR</u>		, etc.	
	I. SR 2. Oak Harbor. OH 4		Authorizat	ion N0 20			
	Address		Expiratio	on Date7-17-0	1		
t Identification of	Systems <u>DH Cooldow</u>	n Line to Emer Su	mp Relief V	alve DH 4849 (St	ubsvs (49-02)	
5. (a) Applicable ((b) Applicable f	Construction Code <u>ASM</u> Edition of Section XI Utilize ponsibilities <u>J. E. Lor</u>	E III CL2 Ed	ition 19 <u>71</u>	Addendum <u>W</u>		Code Case 1	1555+ 1574
	6. Identification of Comp	onents Repaired o	r Heplaced	and Replacement C			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 Stamp
Relief valve	J. E. Lonergan Co.	304400-104-1	N/A	DH 4849	1976	Replaced	Yes
Relief Valve	J. E. Lonergan Co.	7704435-104	N/A	DH 4849	1982	Replacement	Yes
				<u> </u>	 		
		· · · · · · · · · · · · · · · · · · ·					
		· ·			l		<u> </u>
lemoved existing relief v	aive S/N 304400-104-1 and repla	7. Descript iced it with a like for N				<u> </u>	
eplacement valve was t	ested by MWO 1-95-0220-03, pla	ced in storage and sea	t leakage test	ed prior to Installation.			
liter installation a VT-2 b	est was performed satisfactory.						
· · ·							
	•						
		······································					
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>227</u>	Pneumatic (NO) psi		inal Operating Press	•	-))
Pressure Relie	of Valves:						
	Service_N/A			Size <u>N/A</u>			
	Opening Pressure			Blowdown (if applic	able) <u>-</u>	N/A	
	Set Pressure and Blowdon	wn Adjustments Ma	ade Using_	N/A	ot Huliun)		
	at N/A						

	FORM NIS-2 /NR-1 / NVR- 1
	S. REMARKS Applicable Manufactures Data Reports to be Atlacted
A	
	CERTIFICATE OF COMPLIANCE
We certify the the ASME Co	the statements made in the report are correct and this <u>replacement</u> conforms to the rules of e Section XI.
	nbolNR Certificate of Authorization No20 Expiration Date7-17-01
	W.S. Comments I Nuclear Safety & Inspection Manager Date 5/17/00
Signed	Okraer er Dente fe Deelgrae, Tille
	CERTIFICATE OF INSERVICE INSPECTION
, the undersigned. I	taking a walled comprise ion issued by the National Board of Boiler and Pressure Vessal Inspectors in the
i	Obio and employed by Factory Minute Ins. Co. by Julius Will Dub
	imponents described in this Owner's Report during the period $5 - 2 - 29$ to $5 - 17 - 60$, and state knowledge and belief, the Owner has performed examinations and taken corrective measures
hat to the best of m	inowedge and belief, the Owner has performed examinations and when concerne interactions in accordance with the requirements of the ASME Code, Section XI.
By signing this certi	ate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
i di una anda	rective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer menner for any personal injury or property damage or a loss of any kind arising from or connected with
shall be liable in any his inspection. //	manner for any personal injury of property dathage of a loss of any find allowing north of control of the
THE RESPECTION.	NI second second Office
(b)	5-17-00 Commissions NO 9/31 N E A Commissions No 9/31 N E A Commissions National Board, State, Province and Endorsements
nspector's Signature	
	CERTIFICATE OF COMPLIANCE
rollef device descri	atements made in this report are correct and the repair, modification, or replacement of the pressure ad above conforms to Section XI and Section III of the ASME Code and the National Board rules as
rollef device descri	not made in this report any correct and the repair modification, or replacement of the pressure
relief device descrit defined in publicati Certificate of Autho	atements made in this report are correct and the repair, modification, or replacement of the pressure ad above conforms to Section XI and Section III of the ASME Code and the National Board rules as ns NB-65 and NB-102, current editions. Ization No316 to use the "VR" stamp expires Dec. 13 2001
relief device descrit defined in publicati Certificate of Autho	tatements made in this report are correct and the repair, modification, or replacement of the pressure ad above conforms to Section XI and Section III of the ASME Code and the National Board rules as ns NB-65 and NB-102, current editions. Ization No
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relief device descrit defined in publicati Certificate of Author Date	tatements made in this report are correct and the repair, modification, or replacement of the pressure ad above conforms to Section XI and Section III of the ASME Code and the National Board rules as his NB-65 and NB-102, current editions. tzation No to use the "VR" stamp expires Dec. 13 2001 tzation No to use the "NR" stamp expires Utv 17, 2001 Nuclear Safety & I 9, Signed Toledo Edison Muthodzed Representative Tree CERTIFICATE OF INSPECTION olding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and ency issued by the State or Province of Otio and employed by Factory Mutual ins. Co.* have inspected the repair, modification, or replacement described in this report
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relief device descrit defined in publicati Certificate of Author Date	tatements made in this report are correct and the repair, modification, or replacement of the pressure ad above conforms to Section XI and Section III of the ASME Code and the National Board rules as he NB-65 and NB-102, current editions. Ization No to use the "VR" stamp expires Dec. 13, 2001 Ization No to use the "NR" stamp expires, 2001 Ization No, 2001 Ization No, 2001 Integer Organization Authorized Representative, 2001 Integer Organization, 2001 Integer Organization Manager, 2001 Integer Organizat
relief device descrit defined in publicati Certificate of Author Date	tatements made in this report are correct and the repair, modification, or replacement of the pressure and above conforms to Section XI and Section III of the ASME Code and the National Board rules as the NB-65 and NB-102, current editions. Ization No to use the "VR" stamp expires Dec. 13 2001 ization No to use the "NR" stamp expires July 17 2001 ization No to use the "NR" stamp expires July 17 2001 ization No to use the "NR" stamp expires July 17 2001 Nuclear Safety 4 heperior orgentation Autoted Representative The
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relief device descrit defined in publicati Certificate of Author Date	tatements made in this report are correct and the repair, modification, or replacement of the pressure ad above conforms to Section XI and Section III of the ASME Code and the National Board rules as as NB-65 and NB-102, current editions. tzation No

. Owner <u>Toleda</u>	Edison Company		Date	5/23/00			
	Nume Idison Ave., Toledo, OH 4:		S	heet 1 of 1			
	Address		Jnit	#1			
2. Plant <u>Davis-Besse Nuclear Power Station</u>				WO 98-000913-001			
	SR 2. Oak Harbor. OH 43			Repair Organization P.O. N	io., Jo b No.,	etc.	
3. Work Performed	ByToledo Edison C	ompany T	••	tamp <u>NR</u>			
	I. SR 2. Oak Harbor. OH 43		Authorizati	ion N020_		·	
			Expiratio	on Date7-17-0	1	<u></u>	
4 Identification of 1	Systems <u>MS Line #2 A</u>	tmospheric Vent \	(alve (AVV)	ICS11A (Subs	ys 083-	01)	
				Addendum N		Code Case N	• 41
• • •	Construction CodeASM				8	COUR CROE I	
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	eplacements	5 19 <u>86</u>			
(c) Design Res	ponsibilitles <u>Control</u>	Components Inc					
(0)							
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement Co		nts	
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASI Coc Stam
Atmos Vent Valve	Western Piping & Eng.	1	N/A	ICS11A	1974	Replaced	Ye
Atmos Vent Valve	Control Components	645141-1-1	N/A	ICS11A	1994	Replacement	Ye
Inlet Flange Studs	Nova Machine Prod	HT# 28010	N/A	N/A	2000	Replacement	N
Inlet Flange Nuts	Nova Machine Prod	HT# 8099455	N/A	N/A	2000	Replacement	N
				<u> </u>			
amound extering atmos	pheric vent valve S/N I and repla	7. Description of the second s	tion of Work	8/N 645141-1-1.			
uso replaced existing ini	iet flange bolting. After installat	ion, A VT-2 inservice t	est was perfor	med satisfactory.		·····	
				<u> </u>			
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>870</u>	Pneumatic (NO) psi		inal Operating Press est Temperature		ES) Other (NG •F)
Pressure Reli	ef Valves:						
	Service_N/A			SizeN/A			
	Opening Pressure	<u>N/A</u>		Blowdown (if applic	able)	<u>N/A</u>	
	Set Pressure and Blowdo	wn Adjustments Ma	ade Using_	N/A	et Hedius I		

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FORM NIS-2 /NR-1 / NVR-1
8. REMARKS Applicable Manufacturere Data Reports to be Atlached
Control Components Inc.
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of . the ASME Code Section XI.
and the standard and th
Type Code Symbol NR Certificate of Autonization No Expiration Date Signed
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors in the State or Province ofOhio and employed by <u>Factory Mutual Ins. Co.*</u> of <u>Joso</u> to <u>State</u> , and state have inspected the components described in this Owner's Report during the period <u>AliStoo</u> to <u>State</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the Owner's 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 the home to be added and the top of the inspector of the shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
Thomas & Jan 5/30/00 Commissions NB 9330 N I.A COLLUL Inspector's Signature Date Commissions National Board, State, Province and Endorsements
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expires Dec. 13, 2001. Certificate of Authorization No to use the "NR" stamp expires buty 17, 2001. Output for the Signed Date Authorized Representative The
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and certificate of competency issued by the State or Province ofOhio and employed byFactory Mutual ins. Co.*
of <u>Johnston</u> , R.I have inspected the repair, modification, or replacement described in this report
to an address that to the best of my knowledge and belief this repair, modification, or replacement has been made or
on, 19 and state that to the best of my knowledge and boto, and topical more as defined in the publication NB-65 and constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 and NB-102, current editions.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
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By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

RFO Inservice Inspection Summary
st Energy Nuclear Operating, 76 South Main St., Akron, Ohio 44308
vis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio 43449
mmercial Service Date: 11/27/77

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<u>6000 00 000 000</u>
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DBNPS

05/23/2000

Cold working pressure		FORM HEV-1 (C	Back – Pg. 2 of 2	-7		
			Certificate Holder	s Serial No	645141-1-1 & -1	-2
Cadeworking pressure	s, Designiconditions 10	50600	Deg. F. or Valve pressure	cinza	900 ANSI	(
10. Hydratistic text	(Dr					
10. hydrometerer	8. Cold working pressure	2220 psi at 100 Deg. F			•	
	10. Hydrostatic test \$350	psl. Disk differential pre	esure <u>N/A</u>			psi
				59		
BODY OUTLET BASE FLANGE - MATL 6A-105, MATL HEAT 240075. BONNET DRAIN PIPE AATL 6A-105, MATL HEAT 22003. BONNET DRAIN PIPE AATL 6A-105, MATL HEAT 22003. BONNET DRAIN PIPE AATL 6A-105, MATL HEAT 22003. BONNET DRAIN PIPE AATL 6A-105, MATL HEAT 250776. BODY BONNET BOLTHO - 6TUD MATL 6A-103-87, HEAT CODE <i>8</i> F945 / NUT MATL 6A-194-7, HEAT CODE <i>8</i> F945 CERTIFICATE OF DESIGN Dedon Boedination certified by PRASCONK GOYAL P.E. Stats E. Areg. no. 30255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination certified by PRASCONK GOYAL P.E. Stats C. Areg. no. 20255 Dedon Boedination and bit report are correct and that bits pump or valve conforms to the nulses for construction Stats State Codes Boedin B. Different are correct and that bits pump or valve conforms to the nulses for construction State State Codes Boedin B. Different are correct and that bits pump or valve conforms to the nulses for construction State State Codes Boedin B. Different and Boedin B. NOTECLE COMPONENTS INC. 2000 EXPERIMENT DATE Determination Assuer REGARDING COTS EXPERIMENT DATE Determination Assuer by the National Boord of Bolar and Pressure Vessal-Inspectrom and MATTECOD COMPONENTS INC. 400 MEMONIN DATE DETERMENT And employed by MATTECOD STELM BOLTER ASSECTION AND STELMANCE COMPANY MATTECOD COMPON						
- BONNET DRAW PPE, MATL BA-105, MATL HEAT #22283 BONNET DRAW PARGE - WATL BA-105, MATL HEAT #75778 BODY/BONNET BOLTING - BTUD MATL BA-105, MATL HEAT #75778 BODY/BONNET BOLTING - BTUD MATL BA-105 - F, HEAT CODE #F945 / MUT MATL BA-104-7, HEAT CODE #F946 CERTIFICATE OF DESIGN Decipit By PRASODIK GOVAL P.E. Buts P. And the A-104 - 7, HEAT CODE #F945 Decipit By Ball the designments made in this report are correct and that this pump or valve conforms to the rules for construction MINE & SUME Code, Becton R. DMakon 1. Northicals of Authorization No. <u>80255</u> Didy field the designments made in this report are correct and that this pump or valve conforms to the rules for construction MINE & SUME Code, Becton R. DMakon 1. Northicals of Authorization No. <u>80255</u> Didy field Withorization Rectard No. <u>802565</u> Didy field Withorization Rectard No. <u>80257178</u> Didy field Withorization Rectard No. <u>80257178</u> Didy field Withorization Rectard No. <u>80257178</u> Didy field Withorization Rectard No. <u>802571781784</u> Didy Withorization Rectard No. <u>802571781784</u> Didy Withorization Rectard No. <u>802571781784</u> Didy State				93228.		
BORNET DRUNN FUNCE - BUTTLEA - 105, MATL HEAT #F3578. BODY/BORNET BOLTENG - BTUD MATL BA - 105 - B7, HEAT CODE #F945 / MUT MATL BA - 194 - 7, HEAT CODE #F945 CERTIFICATE OF DESKON Delays the store entired by PRASOON K GOVAL P.E. Bats A Peg. no. 20255 Delays the store entired by PRASOON K GOVAL P.E. Bats A Peg. no. 20255 Delays the store entired by PRASOON K GOVAL P.E. Bats A Peg. no. 20255 Delays the store entired by PRASOON K GOVAL P.E. Bats A Peg. no. 20255 Delays the store entired by PRASOON K GOVAL P.E. Bats OH Peg. no. 20255 Delays the store entired by PRASOON K GOVAL P.E. Bats OH Peg. no. 20255 Delays the store entired by PRASOON K GOVAL P.E. Bats OH Peg. no. 20255 Delays the store entired by PRASOON K GOVAL P.E. Bats OH Peg. no. 202576 Delays the store entired by PRASOON K GOVAL P.E. Bats OH Peg. no. 202576 Delays the store entired by PRASOON K GOVAL P.E. Bats OH Peg. no. 202576 Delays the store entired by PRASOON K GOVAL P.E. Bats OH Peg. no. 202576 Delays the store entire the store entire entities entits entities entities entities entities entiti	and the second secon	میں با میں ہوتا ہے۔ جو بروائی میں میں میں میں میں میں میں بی میں بروائی میں میں میں میں میں میں میں میں میں می				
CERTIFICATE OF DESIGN Design Boodfiction of the day PRASOCNIK GOYAL PE State CERTIFICATE OF COMPLIANCE No spiritly Huil the statements made in this report are correct and that this pump or valve conforms to the nales for construction State	- BODY/BONNET	OLTING - ETUD MATL SA-193-	BT. HEAT CODE #F945/	NUT MAT'L SA-	194-7, HEAT COO	E#F946
Dividin Bowditive Ston certified by PRASOONIK GOVAL P.E. State E Areg. no. 30256 Dividin Bowditive Ston certified by REBERT & MILLER P.E. State CH Reg. no. E-002776 CERTIFICATE OF COMPLIANCE Wis spinor are made in this report are correct and that this pump or valve conforms to the rules for construction Dividing State Code; Bection B: Dividion 1. NOVITROL COMPONENTS INC. Dividing State Code; Bection B: Dividion 1. NOVITROL COMPONENTS INC. Dividing State Code; Bection B: Dividion 1. Dividing Componentiation State Regarding Code State and Pressure Vessel Indiportors and State						
Dividin Bowditive Ston certified by PRASOONIK GOVAL P.E. State E Areg. no. 30256 Dividin Bowditive Ston certified by REBERT & MILLER P.E. State CH Reg. no. E-002776 CERTIFICATE OF COMPLIANCE Wis spinor are made in this report are correct and that this pump or valve conforms to the rules for construction Dividing State Code; Bection B: Dividion 1. NOVITROL COMPONENTS INC. Dividing State Code; Bection B: Dividion 1. NOVITROL COMPONENTS INC. Dividing State Code; Bection B: Dividion 1. Dividing Componentiation State Regarding Code State and Pressure Vessel Indiportors and State	ŕ	CERTIFICATE	DF DESIGN			ſ
Design Report contribution HERBERT LAMILER P.E. State DH Pag. no. E-032776 CERTIFICATE OF COMPLIANCE Magently that the attempts made in this report are correct and that this pump or valve conforms to the rules for construction Offer a SNE Code, Bection B: Division 1. NCERTIFICATE OF COMPLIANCE Magently that the attempts made in this report are correct and that this pump or valve conforms to the rules for construction Offer a SNE Code, Bection B: Division 1. NCERTIFICATE OF COMPLIANCE Idea Attempts to find the second made to the rules for construction ONTED: COMPONENTS INC. (Date Colspan="2">CERTIFICATE OF INSPECTION INTER OF EXTENSION FROM ASME REGARDING COTS EXPIRATION DATE. CERTIFICATE OF INSPECTION Matter attraction of CALSORVIA and employed by the National Board of Boller and Pressure Vessel therefore and the State of Protocol Protocol CALSORVIA and employed by the National Board of Boller and Pressure Vessel therefore and the Date Report on Attracted Protocol Protocol CALSORVIA and employed by the National Board of Boller and Pressure Vessel therefore and the Date Report on Attracted Protocol Pr						ł
CERTIFICATE OF COMPLIANCE Mission and so in this report are correct and that this pump or valve conforms to the nulses for construction of the state Section B. Division 1. NORTHOL COMPONENTS INC. Section B. Division 1. NORTHOL COMPONENTS INC. ODITED COMPO	Design Boechics tion certified by	PRASOON K GOYAL				
Information Information	Design Report cartiled by	HERBERT L.MILLER	P.E. StateOH	Reg. no.	E-032776	
Date 612791 Name CONTROL COMPONENTS INC. (R) Certificate Holder) Signed Juddendaling And SEE ATTACHED "LETTER OF EXTENSION" FROM ASIME REGARDING CCTS EXPIRATION DATE. CERTIFICATE OF INSPECTION Life undersigned: holding a stalld commission issued by the National Board of Boller and Pressure Vessel inspectors and the Stalls or Province of CALEFORMA and employed by HARTFORD STEAM BOILER (SPECTION AND SUBJECTICUT have inspected the pump; or valve, described in the Date Report on #ARTFORD (COMPACT) And efficient for the best of my knowledge and bellet, the Certificate Holder - hese con- etucted this pump or valve, the accordance with ASME Section III. Division 1. Signing the certificate methods the bapector nor the employer makes semantly, supressed or implied, constrainly for any theorem described in the bate floates of any kind actents for the bapector nor the employer end be fields to any merrier for any the or provided in the bate floates of any kind actents for the bapector nor the employer end be fields to any merrier for any the or provided in the bate floates of any kind actents for the bapector nor the employer end be fields to any merrier for any the or provided in the bate of any kind actents for the bapector nor the employer end by the state of the pump. Commission with the bala floate of any kind actents for the superior. Date The pump on the superior of the pump. Commission of end the pump and subjector is a floate frame. Date The pump on the bapector for the superior of end the superior of the pump. Commission of the pump and subjector is the superior of th	. We could had the statements ma			orme to the rules	for construction	
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05/23/2000

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FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S RE	of the ASM	E Code Section XI	REPL	ACEMIENTS	
1. Owner <u>Toled</u>	o Edison Company	· · · ·	Date	5/23/00		_	
300 M:	num adison Ave., Toledo, OH 4	3652	S	heet 1 of <u>1</u>			
	Besse Nuclear Power Stat		Jnit	#1			
	Nura I. SR 2. Oak Harbor, OH 43			WO 98-000914-001			
	ByNere		vpe Code S	Repair Organization P.O. I ItampNB			
	Nurve I. SR 2. Oak Harbor. OH 43		••	ion N020_			•
5501_0	Mittee			on Date7-17-0			
			•				
4. Identification of	Systems <u>MS Line #1 A</u>	tmospheric Vent	Valve (AVV)		sys 0834	-01)	
5. (a) Applicable (Construction CodeASM	Elli CL2 Edi	ition 19 <u>71</u>	Addendum <u>N</u>	Δ/	Code Case	A
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	placements	5 19 <u>86</u>			
• • • • •	ponsibilities <u>Control</u>						
(0) 0000.9							
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	ompone	nts	
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASNE Code Stamped
Atmos Vent Valve	Western Piping & Eng.		N/A	ICS11B	1974	Replaced	Yes
Atmos Vent Valve	Control Components	645141-1-2	N/A	ICS11B	19 94	Replacement	Yes
Inlet Flange Studs	Nova Machine Prod	HT# 28010	N/A	N/A	2000	Replacement	No No
Inlet Flange Nuts	Nova Machine Prod	HT# 8099455	N/A	N/A	2000	Replacement	NO •
		······					
		7. Descript	tion of Work	<u>I</u>		na	L
lemoved existing atmos	pheric vent valve S/N II and repl	aced it with a new repl	lacement valv	s/N 645141-1-2.			
Uso replaced existing in	let Sange bolting. After Installat	ion, A VT-2 inservice t	est was perfor	med satisfactory.			
<u></u>							
	··						
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>866</u>	Pneumatic (NO) psi		inal Operating Press est Temperature		ES) Other (NC °F))
Pressure Relia							
				Size <u>N/A</u>			
	Opening Pressure Set Pressure and Blowdow			Blowdown (if applic		N/A	
	• •	nn Aujustinents Mi			et Medium)		•
NOTE: Supplement	Rt <u>N/A</u> al sheets in the form of h items 1 through 6 on th	lists, sketches,		s may be used, prov	ided (1) size is \$% x 1:	1 in.

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FORM NIS-2 /NR-1 / NVR-1	
9. REMARKS	Applicable Manufacturers Data Reports to be Attached
Control Components Inc.	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>replacement</u> the ASME Code Section XI.	conforms to the rules of
Type Code Symbol NR Certificate of Authorization No. 20 E	Expiration Date 7-17-01
	5/23/2002
Signed N. W. Starry, Nuclear Safety & Inspection Manager Dat	te (19
CERTIFICATE OF INSERVICE INSPECT I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressu Abhra	ure Vessel Inspectors in the
I, the undersigned, noticing a valid commission issued by the Natural Ioal of Solid State or Province ofOhioand employed byFactory Mutual Ins. Co. *ofohns have inspected the components described in this Owner's Report during the period	to 513000, and state
that to the best of my knowledge and belief, the Owner has performed examinations and taken or described in this Owner's Report in accordance with the requirements of the ASME Code, Section	confective inteasures
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed	t or Implied, concerning the
examinations and corrective measures described in the Owner's Report. Furthermore, neither the shall be liable in any manner for any personal injury or property damage or a loss of any kind arts	he inspector nor his employer
this increation	
Thornas & Page 5/30/00 commissions NB 9330 Instantore Stratum (NB 9330)	NIA ONH.
Late National Board, State	a' Lindrice mid Cunneeneure
Inspector's Signature U Gate National Board, State	
CERTIFICATE OF COMPLIANCE	E
CERTIFICATE OF COMPLIANCE	E
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or rej reliaf device described above conforms to Section XI and Section III of the ASME Code and the	E
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or rej relief device described above conforms to Section XI and Section III of the ASME Code and the defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expires Uty 17	E placement of the pressure National Board rules as , 2001. , 2001. Nuclear Safety &
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CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or rej relief device described above conforms to Section XI and Section III of the ASME Code and the defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expires	E placement of the pressure National Board rules as
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CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or repailed device described above conforms to Section XI and Section III of the ASME Code and the defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp expires	E placement of the pressure National Board rules as

-3 1 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 ٠. 1. Wanufactured and certified by Control Components Inc. 22591 Avenida Empresa, Rancho Santa Marganta, CA 92688 (nume and address of Certificate Holder) 2. Manufactured for TOLEDO EDISON COMPANY, 5501 NORTH STATE ROUTE 2, OAK HARBOR, CH, 43449 (name and address of purchase) J. Location of Installation _____ DAVIS-BESSE POWER STATION, 5501 NORTH STATE ROUTE 2, OAK HARBOR OH, 43449 ATMOSPHERIC (name and address) CRN N/A S ... Hodel No., Serial No., or Type-VENTVALVE 645141-1 £ Drawing _ Rev. N/A NO ADDENDA 5. ASKIE Code, Section II, Division 1: 1971 ddeode date S6 INCH S NCH Outlet size 6. Pump or Valve VALVE Nominal Inlet size **(**m) 6 84-193-87 and SA-105 Disk &A-182-F11 Bolting SA-194-7 SA-105 **Bonnet** 7. Material: Body (ð) **(**é) (c) (b) *(*6) Bonnet Disk Nati Body Secial Serial Sarial Board idde No. No. Nø. No. Secial A 85052 240875 240875 645141-1-1 NA 240875 240875 88052 N/A 645141-1+2 plansing) Edomation in the form of Sen, and train an drawings may be used provided (1) size in 6 1/2 s 31, (2) blommation in the Die Date Reports include dan each lines (1), sech where is mumbered and the sumber of stream is recorded at the top of the torm mulori-in Remiii I Ryoughi-A The some populy may be obtained non the Order Dept. ASUE, 22 Law Dive 602 2000 Farmer NJ 97005 PO S'OCIONSUSS PACE 1 S ON 1 44 1 1 1 1 1

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05/23/2000

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FURM	NIS-2 / NR-1 / NVR-1 As Required	by the Provisions	of the ASM	E Code Section XI			
. Owner <u>Toled</u>	o Edison Company		Date	5/27/99			
·. 300 M	adison Ave., Toledo, OH 4	3652	s	heet 1 of <u>1</u>			
Plant Davis	-Besse Nuclear Power Sta	tion	Unit	#1			
	Name N. SR 2. Oak Harbor, OH 4		WO# 98-	-001201-000 (3-98-48	305 -01))	
				Repair Organization P.O. No Stamp NR / V	., Job No., (
3. Work Performe	Hame			zation N020 / 31			
5501	N. SR 2. Oak Harbor. OH 4	3449					
				ation Date7-17-0	1/12-	13-01	
4. Identification of	f Systems <u>Pressurizer (</u>	Code Safety Valve	SPARE	(Subsys 064-04)			
5. (a) Applicable	Construction Code ASM	EIII CL1 Ed	ition 19 71	Addendum M	72	Code Case	VA
	Edition of Section XI Utiliz		Replaceme	ents 19 <u>86</u>			
(c) Design Re	sponsibilities <u>Crosby</u>	valve & Gage Co.,	TOIEGO EGI	3011 00.			
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement (Compo	nents	
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional #0.	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
Safety Valve	Crosby Valve	N56264000005	N/A	Spare Valve	1976	Repaired	Yes
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			<u> </u>				
					1		
		7. Descript	tion of Worl	<			
his is a dedicated span	a pressurizer code safety valve.	This valve was sent to	Wyle Laborat	lories for testing and reb	uild. As	found set pressure les	n falied.
	the test header, jack & lapped I		er there N.BN	ная есть пере тыс		US-UI. Alet Valve Itas	
t was placed by on the t	est header and tested satisfacto	"y.					
							•
<u> </u>			•				
8. Tests Conducted:	Hydrostatic (NO) PressureN/A	Pneumatic (NO)		inal Operating Press Test Temperature)) .
Pressure Rel							
	Service <u>Steam</u>			Size4"x 6"			•
	Opening Pressure	2512 PSIG		Blowdown (if app	licable) <u> </u>	
	Set Pressure and Blowdo	own Adjustments I	Vlade Using	Steam	et Hedius	F	
	at Wyle Laboratories. 7	800 Highway 20 V	Vest. Hunts			· · · · · · · · · · · · · · · · · · ·	
Teformation in its	al sheets in the form of 1 mms 1 through 6 on this re rded at the top of this fo	sport is included	. Annutana	way he used, provid	ed (1) eet 1s	size is 8% x 11 i numbered and the	n. (2) number

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Applicable Manufacturers Data Reports to be Atlached
9. REMARKS
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01
Signed JW Starm J Nuclear Safety & Inspection Manager Date 5/27 1999 Vormer at Owner's Designee, Tile
CERTIFICATE OF INSERVICE INSPECTION te undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the te or Province ofOhio and employed byProtection Mutual * ofPark Ridge, Illipois T& 6849 re inspected the components described in this Owner's Report during the period 101146 toO195, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures 6/8/99 iscribed in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the implations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer with the liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. Thomas I and the liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. Thomas I and the liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. Thomas I and the liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. Thomas I and the liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. Thomas I and the liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. Thomas I and the liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. The liable is a state in the liable in t
CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure lef device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as fined in publications NB-65 and NB-102, current editions.
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a certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure lef device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as fined in publications NB-65 and NB-102, current editions. Intificate of Authorization No. 316 to use the "VR" stamp expires <u>Dec. 13</u> , 2001 Intificate of Authorization No. 20 to use the "NR" stamp expires <u>July 17</u> , 2001 Nuclear Safety & Inspection Manager
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e certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure lef device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as fined in publications NB-65 and NB-102, current editions. Interview of Authorization No. 316 to use the "VR" stamp expires <u>Dec. 13</u> , 2001 prificate of Authorization No. 20 to use the "NR" stamp expires <u>July 17</u> , 2001 Nuclear Safety & Inspection Manager Reper Organization <u>Authorized Representative</u> The CERTIFICATE OF INSPECTION ne undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and
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. OwnerToled	o Edison Company		Date	5/25/99			
	adison Ave., Toledo, OH 4	3652	S	heet 1 of <u>1</u>			
2. Plant <u>Davis</u>	Besse Nuclear Power Sta	tion	Unit	#1			
5501	Nume N. SR 2. Oak Harbor, OH 4	3449	Y	YO# 98-001213-000			
. Work Performe	Address Windle she iff she are f	•	Type Code	Repair Organization P.O. No Stamp <u>NR</u>	•		
	Nume N. SR 2, Oak Harbor, OH 4	3449	Authoriz	zation N0 20			
	Address	<u></u>		ation Date <u>7-17-0</u>			
		Dada Cafaby Valua	-			······	
I. Identification of	Systems <u>Pressurizer (</u>		RUISA				
5. (a) Applicable	Construction Code <u>ASM</u>	E III.CL1 Edi	ition 19 <u>68</u>	Addendum <u>S</u>	<u>70</u>	Code Case 1	444
(b) Applicable	Edition of Section XI Utiliz	zed for Repairs or	Replaceme	ents 19 <u>86</u>			
	sponsibilities <u>Crosby</u>						
(c) Design Re							
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	Compo	nents	
use of Component	Name of Manufacturer	Manufacturer's · Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Co Stai
Safety Valve	Crosby Valve	N54891000002	N/A	RC13A	1976	Replaced	Y
Safety Valve	Crosby Valve	N54891000001	N/A	RC13A	1976	Replacement	Y
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land evicting estate	valve with a like for like replace	7. Descript	nent safety ve	K live set pressure was tes	ted and	verified Toledo Edisor	i Co.
fulces existing early	r MWO 3-98-4805-01, no rebuild	was required. A VT-2	test was perfe	ormed satisfactory after	Installati	on.	
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. Tests Conducted:	Hydrostatic (NO) Pressure <u>2128</u>	Pneumatic (NO) psi		inal Operating Press Test Temperature_	-)
Pressure Rel							
	Service_N/A			SizeN/A		<u> </u>	-
	Opening Pressure	N/A		Blowdown (if app	olicable) <u> </u>	
	Set Pressure and Blowde	own Adjustments M	Made Using	<u>N/A</u>	at jindi un		

a.

FORM N	S-2 /NR-1 / -NVR-1 -
S. 1	REMARKS Applicable Manufacturers Data Reports to be Atlanced
Α	
We certify that the statements made in the report are correct and the ASME Code Section XI. Type Code Symbol <u>NR</u> Certificate of Authorization	No 20 Expiration Date7-17-01
Signed_ 2.W. Starm & Nuclear Safety & Owner or Owner's Designer, The	Inspection Manager Date 5/27 1999
CERTIFICATE O , the undersigned, holding a valid commission issued by the National B State or Province of <u>Ohio</u> and employed by <u>Protection</u> have inspected the components described in this Owner's Report durin that to the best of my knowledge and belief, the Owner has performed a described in this Owner's Report in accordance with the requirements of	Mutual of Park Hidge, Illippis g the period 4/8/94 to 6/4/99, and state examinations and taken corrective measures
By signing this certificate, neither the Inspector nor his employer makes examinations and corrective measures described in the Owner's Repor shall be liable in any manner for any personal injury or property damage this inspection. The mass of the second	t. Furthermore, neither the inspector nor his employer
	CATE OF COMPLIANCE
CERTIFIC We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp of Certificate of Authorization No. <u>20</u> to use the "NR" stamp of	repair, modification, or replacement of the pressure the ASME Code and the National Board rules as
We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp e Certificate of Authorization No. <u>20</u> to use the "NR" stamp e Date <u>19</u> , 19, Signed Toledo Edison	repair, modification, or replacement of the pressure the ASME Code and the National Board rules as expires
We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp e Certificate of Authorization No. <u>20</u> to use the "NR" stamp e Date <u>19</u> , Signed Toledo Edison	repair, modification, or replacement of the pressure the ASME Code and the National Board rules as expires Dec. 13,2001 expires July 17,2001 Nuclear Safety &
We certify that the statements made in this report are correct and the i relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp e Certificate of Authorization No. <u>20</u> to use the "NR" stamp e Date, 19, Signed <u>Toledo Edison</u> <u>Reper Orgenzation</u> Author CERTIFIC I, the undersigned, holding a valid commission issued by the National E certificate of competency issued by the State or Province of <u>Chio</u> of <u>Park Ridge, Illinois</u> have inspected the repair, modification, or n	the ASME Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code and the National Board rules as the Asme Code ase athe Asme Code a
We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp e Certificate of Authorization No to use the "NR" stamp e Date, 19, Signed <u>Toledo Edison</u> Reper Orgenzation CERTIFIC I, the undersigned, holding a valid commission issued by the National E certificate of competency issued by the State or Province of <u>Chio</u> of <u>Park Ridge, Illinois</u> have inspected the repair, modification, or m on, 19 and state that to the best of my knowledge constructed in accordance with Section XI and Section III of the ASME	repair, modification, or replacement of the pressure the ASME Code and the National Board rules as expires
We certify that the statements made in this report are correct and the interesting the described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No	repair, modification, or replacement of the pressure the ASME Code and the National Board rules as expires
We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp e Certificate of Authorization No to use the "NR" stamp e Date, 19, Signed <u>Toledo Edison</u>	Asymptotic and the National Board rules as Asymptotic and Pressure Vessel Asymptotic and Pressure Vessel Inspectors, and and employed by <u>Protection Mutual</u> * And employed by <u>Protection Mutual</u> * And employed by <u>Protection Mutual</u> * Asymptotic and belief, this repair, modification, or replacement has been made or Code and the National Board rules as defined in the publication NB-65 and as any warranty, expressed or implied, concerning the area of any kind arising from or connected with sions
We certify that the statements made in this report are correct and the relief device described above conforms to Section XI and Section III of defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp e Certificate of Authorization No to use the "NR" stamp e Date, 19, Signed <u>Toledo Edison</u>	Asymptotic and the National Board rules as the ASME Code and the National Board rules as popires

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2. Plant		Name					·····	
2. Flaint		Address			-			
Repair Orgenization P.O. Res., 36 Mis.; etc. Repair Orgenization P.O. Res., 36 Mis.; etc. Type Code Stamp		Name						
3. Work Performed by	5501	I. SR 2. Oak Harbor, OH 4:	3449	<u>N</u>	O# 98-001214-000 Repair Organization P.O. No.	, Job No.; e	k.	
Advect Expiration Date7-17-01	3. Work Performed	i By Toledo Edison C	Company	Type Code	Stamp <u>NR</u>		. <u> </u>	
Expiration Date7-17-01	<u> </u>	I. SR 2. Oak Harbor. OH 4	3449	Authoriz	ration N020			
5. (a) Applicable Construction Code <u>ASME III CL1</u> Edition 19 74 Addendum S74 Code Case N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19		Address		Expire	ation Date	1		
5. (a) Applicable Construction Code <u>ASME III CL1</u> Edition 19 74 Addendum S74 Code Case N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986	A Identification of	i Systems Pressurizer (Code Safety Valve	AC13B	(Subsys 064-	04)		
5. (a) Applicable Construction Code ASMEINELI Claution to File Another File (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 196. 86						74	Code Case N	/A
(c) Design ResponsibilitiesCrosby Valve & Gage Co., Toledo Edison Co. 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer' National Board NO. Other Identification/ Year Repaired Replaced AS Component Serial NO. Safety Valve Crosby Valve N59303000001 N/A RC13B 1976 Replaced Year Safety Valve Crosby Valve N56264000005 N/A RC13B 1976 Replacement Year 7. Description of Work	• • • •				• • • • • • • • •			
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 Replacement Serial NO. State or Replacement Serial NO. National Replaced NO. Association of Replacement Serial NO. National Identification/ Jurisdictional NO. Year Replacement Serial NO. State or Replacement Serial NO. N/A RC13B 1976 Replaced Year Serial NO. Safety Valve Crosby Valve N59303000001 N/A RC13B 1976 Replaced Year Serial NO. Safety Valve Crosby Valve N59303000005 N/A RC13B 1976 Replacement Year Serial NO. Safety Valve Crosby Valve N56264000005 N/A RC13B 1976 Replacement Year Serial NO. Component								
Name of Manufacturer's Serial NO. National Board NO. Other Identification/ Jurisdictional NO. Year Repaired Replaced Association Safety Valve Crosby Valve N59303000001 N/A RC13B 1978 Replaced Year Replaced Year Replaced Year Replaced Year Replaced Year Replaced Year Replaced Association Safety Valve Crosby Valve N59303000001 N/A RC13B 1976 Replaced Year Year Year Year Year Year Year Year	(c) Design Re	sponsibilities <u>Crosby </u>	Valve & Gage Co.,	Toledo Ed	ison Co.			
Name of Component Name of Manufacturer's National Board NO. Other Identification/Jurisdictional NO. Year Repared Replaced Association Safety Valve Crosby Valve N59303000001 N/A RC13B 1978 Replaced Year Replaced Year Replaced Year Replaced Year Replaced Year Replaced Scientification/Jurisdictional NO. Scientification/Jurisdiction/Jurisd		6 Identification of Comp	opents Renaired (or Replaced	and Replacement C	Compo	nents	
Name of Component Name of Manufacturer Manufacturer </td <td></td> <td>6. Identification of Comp</td> <td>Unents Repaired C</td> <td></td> <td></td> <td></td> <td></td> <td></td>		6. Identification of Comp	Unents Repaired C					
Safety Valve Crosby Valve NS9303000001 N/A R0100 1000 Replacement Yes Safety Valve Crosby Valve NS6264000005 N/A RC13B 1976 Replacement Yes Safety Valve Crosby Valve NS6264000005 N/A RC13B 1976 Replacement Yes Safety Valve Crosby Valve NS6264000005 N/A RC13B 1976 Replacement Yes Safety Valve Crosby Valve NS6264000005 N/A RC13B 1976 Replacement Yes Safety Valve Crosby Valve NS6264000005 N/A RC13B 1976 Replacement Yes Safety Valve Crosby Valve NS6264000005 N/A RC13B 1976 Replacement Yes No Crosby Valve NS6264000005 N/A RC13B 1976 Replacement Interval No No Crosby Valve NS6264000005 N/A RC13B 1976 Interval No No Crosby Valve NS6264000005 N/A Replacement safety valve was rebuilt and tested by Toledo Edison Co. <td>Name of Component</td> <td>Name of Manufacturer</td> <td></td> <td>National Board NO.</td> <td>Identification/</td> <td></td> <td></td> <td>AST Cod Stam</td>	Name of Component	Name of Manufacturer		National Board NO.	Identification/			AST Cod Stam
Safety Valve Crosby Valve N56264000005 N/A RC13B 1976 Replacement Ye Safety Valve Crosby Valve N56264000005 N/A RC13B 1976 Replacement Ye Safety Valve Crosby Valve N56264000005 N/A RC13B 1976 Replacement Ye Safety Valve Crosby Valve Crosby Valve Crosby Valve Crosby Valve Ye Safety Valve Crosby Valve N56264000005 N/A RC13B 1976 Replacement Ye Crosby Valve Ye Crosby Valve	Catoby Vehre	Crosby Valve	N59303000001	N/A	RC13B	1978	Replaced	Ye
7. Description of Work				N/A	RC13B	1976	Replacement	Ye
Replaced existing safety valve with a like for like replacement valve. Replacement safety valve was rebuilt and tested by Toledo Edison Co.		·						
Replaced existing safety valve with a like for like replacement valve. Replacement safety valve was rebuilt and tested by Toledo Edison Co.							ļ	
Replaced existing safety valve with a like for like replacement valve. Replacement safety valve was rebuilt and tested by Toledo Edison Co.								╂──
teplaced existing safety valve with a like for like replacement valve. Replacement safety valve was rebuilt and tested by Toledo Edison Co.			7 Descrip	tion of Worl	<u> </u>	!		
it Wyle Laboratory under MWO 2-98-4805-01. A VT-2 test was performed satisfactory after installation.	leplaced existing safety	valve with a like for like replace	ement valve. Replacen	nent safety val	ve was rebuilt and tested	i by Tole	do Edison Co.	
	t Wyle Laboratory und	IT MWO 2-08-4805-01. A VT-2 tes	t was performed satis	factory after is	nstallation.			
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8. Tests Conducted: Hydrostatic (NO) Pressure (NO) Pressure 2128 psi Test Temperature 536	8. Tests Conducted	•		•	•		_	D)
Pressure <u>2128</u> psi Test Temperature <u>536</u> •F Pressure Relief Valves:		Pressure <u>2128</u> lief Valves:	psi	,	Test Temperature_		_	0)
Pressure <u>2128</u> psl Test Temperature <u>536</u> •F Pressure Relief Valves: Service <u>N/A</u> Size <u>N/A</u>		Pressure <u>2128</u> lief Valves: Service <u>N/A</u>	psi		Test Temperature	53 6	•F	-
Pressure <u>2128</u> psi Test Temperature <u>536</u> •F Pressure Relief Valves:		Pressure <u>2128</u> lief Valves: Service <u>N/A</u> Opening Pressure	psi	, 	Test Temperature SizeN/A Blowdown (if ap)	53 6	•F	-

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	FORM NIS-2 /NR-1 /+	WR-4
	. REMARKS	Applicable Manufacturers Data Reports to be Altached
NVR-Toledo Edison Co		
	·····	
We certify that the statements made in the the ASME Code Section XI.	CERTIFICATE OF COMPI e report are correct and this replacem	
Type Code Symbol <u>NR</u> Cer	tificate of Authorization No20	Expiration Date7-17-01
Signed D. W. Starry	Nuclear Safety & Inspection Manage	Date 5/27 19.79
	er Owner's Designes, "Tille	
I, the undersigned, holding a valid commission is State or Province of <u>Ohio</u> and employed have inspected the components described in this that to the best of my knowledge and belief, the described in this Owner's Report in accordance	d by <u>Protection Mutual</u> of s Owner's Report during the period <u>475</u> Owner has performed examinations and I	Pressure Vessel Inspectors in the Park Ridge, Minpis 199_to, and state Exen corrective measures
By signing this certificate, neither the Inspector r examinations and corrective measures describe shall be liable in any manner for any personal in this inspection.	d in the Owner's Report. Furthermore, no ury or property damage or a loss of any is	ither the Inspector nor his employer Ind arising from or connected with
Themas Hoga 6	3/99 Commissions <u>NB93</u> Date National Board, St	BO NIA OHIO ate, Province and Endorsoments
	CERTIFICATE OF COMP	LIANCE
We certify that the statements made in this reported above conforms to Section defined in publications NB-65 and NB-102, curr	ort are correct and the repair, modification on XI and Section III of the ASME Code a	, or replacement of the pressure
relief device described above conforms to Secti	ort are correct and the repair, modification on XI and Section III of the ASME Code a ent editions.	a, or replacement of the pressure nd the National Board rules as
relief device described above conforms to Secti defined in publications NB-65 and NB-102, curr	ort are correct and the repair, modification on XI and Section III of the ASME Code a ent editions. o use the "VR" stamp expiresDe	a, or replacement of the pressure nd the National Board rules as <u>nc. 13</u>
relief device described above conforms to Secti defined in publications NB-65 and NB-102, curr Certificate of Authorization No. <u>316</u> to Certificate of Authorization No. <u>20</u> to	ont are correct and the repair, modification on XI and Section III of the ASME Code a ent editions. o use the "VR" stamp expires o use the "NR" stamp expires	n, or replacement of the pressure nd the National Board rules as <u>ic. 13</u>
relief device described above conforms to Secti defined in publications NB-65 and NB-102, curr Ceritificate of Authorization No. <u>316</u> to Certificate of Authorization No. <u>20</u> to Date <u>19</u> Jane Jane Jane Jane Jane Jane Jane Jane	ont are correct and the repair, modification on XI and Section III of the ASME Code a ent editions. o use the "VR" stamp expires o use the "NR" stamp expires do Edison	n, or replacement of the pressure nd the National Board rules as <u>nc. 13, 20</u> 01 <u>Nuclear Safety &</u> Inspection Manager
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relief device described above conforms to Secti defined in publications NB-65 and NB-102, curr Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed Toles	ont are correct and the repair, modification on XI and Section III of the ASME Code a ent editions. o use the "VR" stamp expires o use the "NR" stamp expires do Edison	n, or replacement of the pressure nd the National Board rules as <u>ic. 13 2001</u> <u>iv. 17 2001</u> <u>Nuclear Safety & the spection Manager</u> Tite
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relief device described above conforms to Secti defined in publications NB-65 and NB-102, curr Certificate of Authorization No	on are correct and the repair, modification on XI and Section III of the ASME Code a ent editions. o use the "VR" stamp expires to use the "NR" stamp expires do Edison Ceptration Authoral Representive CERTIFICATE OF INSPE stude by the National Board of Boiler and Province of Chio and employed by epair, modification, or replacement descrit best of my knowledge and belief, this rep section III of the ASME Code and the National Board of the National Board of Boiler and province of Chio and employed by epair, modification, or replacement descrit best of my knowledge and belief, this rep fection III of the ASME Code and the National Board of Boiler and the National Board of Boiler and Board of Boiler and province of this report. Furthermore, neither the Insp	a, or replacement of the pressure nd the National Board rules as <u>tc. 13</u>
relief device described above conforms to Secti defined in publications NB-65 and NB-102, curr Certificate of Authorization No	on tare correct and the repair, modification on XI and Section III of the ASME Code a ent editions. o use the "VR" stamp expiresdu to use the "NR" stamp expiresdu to Edison OrganizationAuthorated Representative CERTIFICATE OF INSPE issued by the National Board of Boiler and Province ofOhic and employed by epair, modification, or replacement descrit best of my knowledge and belief, this rep feection III of the ASME Code and the National nor his employer makes any warranty, ex this report. Furthermore, neither the inst roperty damage or a loss of any kind arts: Commissions	a, or replacement of the pressure nd the National Board rules as <u>trc. 132001</u> <u>trt 172001</u> <u>Nuclear Safety & <u>trspection Manager</u> <u>Tite</u> CTION Pressure Vessel Inspectors, and <u>Protection Mutual</u> * <u>tree</u> Ded in this report air, modification, or replacement has been made or onal Board rules as defined in the publication NB-65 and pressed or implied, concerning the bector nor his employer shall be ing from or connected with</u>
relief device described above conforms to Secti defined in publications NB-65 and NB-102, curr Certificate of Authorization No	on tare correct and the repair, modification on XI and Section III of the ASME Code a ent editions. o use the "VR" stamp expiresdu to use the "NR" stamp expiresdu to Edison OrganizationAuthorated Representative CERTIFICATE OF INSPE issued by the National Board of Boiler and Province ofOhic and employed by epair, modification, or replacement descrit best of my knowledge and belief, this rep feection III of the ASME Code and the National nor his employer makes any warranty, ex this report. Furthermore, neither the inst roperty damage or a loss of any kind arts: Commissions	a, or replacement of the pressure nd the National Board rules as <u>tc. 132001</u> <u>Nuclear Safety &</u> <u>Itspection Manager</u> <u>Tite</u> CTION Pressure Vessel Inspectors, and <u>Protection Mutual</u> * Deed in this report air, modification, or replacement has been made or onal Board rules as defined in the publication NB-65 and pressed or implied, concerning the bector nor his employer shall be

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Serial NO. Jurisdictional NO. Stam					E Code Section XI			
200 Mailson Ave. Toleson. Unit adds 40 2. Plant	1. Owner <u>Toled</u>	o Edison Company	_	Date	5/27/99			
	300 M	adison Ave., Toledo, OH 4	3652	S	heet 1 of <u>1</u>			
Rest: Geprässin P.O. Bo., Job Mc.; etc. Section Geprässin P.O. Bo., Job Mc.; etc. Tojedo Edison Company Type Code Stamp	2. Plant <u>Davis</u>	Besse Nuclear Power Sta	tion	Unit	#1			
3. Work Performed By Toledo Edison Company Type Code Stamp NR / VR	<u>5501 N</u>	. SR 2. Oak Harbor. OH 4	3449	WO# 98-				
	3. Work Performed		Company	Type Code				
Expiration Date		Hame		Authoriz	zation N020/31	6		
5. (a) Applicable Construction Code <u>ASME III CL1</u> Edition 19 Z1 Addendum W72 Code Case N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_86				Expire	ation Date	1/12-1	3-01	
5. (a) Applicable Construction Code <u>ASME III CL1</u> Edition 19 Z1 Addendum W72 Code Case N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_86	4 Identification of	Suctams Pressurizer (Code Safety Valve	SPARE	(Subsys 064-04)			
b. (a) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 (c) Design ResponsibilitiesCrosby Valve & Gage Co., Toledo edison Co. 6. Identification of Components Repaired or Replaced and Replacement Components Name of Manufacturer 's Mational Section / Jurisdiction / Jurisdictional NO. Safety Valve Crosby Valve N56254000005 N/A Spare Valve 1976 Repaired Yes Safety Valve Crosby Valve N56254000005 N/A Spare Valve 1976 Repaired Yes Crosby Valve N56254000005 N/A Spare Valve 1976 Repaired Yes Crosby Valve N56254000005 N/A Spare Valve 1976 Repaired Yes Crosby Valve N56254000005 N/A Spare Valve 1976 Repaired Yes Crosby Valve N56254000005 N/A Spare Valve 1976 Repaired Yes Construction of Work Construction of Work Construction of Work <td< td=""><td></td><td></td><td></td><td></td><td></td><td>130</td><td>Orde Orece N</td><td></td></td<>						130	Orde Orece N	
(c) Design Responsibilities	5. (a) Applicable	Construction Code <u>ASM</u>	<u>E III CL1</u> Ed	ition 19 <u>71</u>	Addendum Y	172	Code Case N	A.
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8. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (NO) Other (NO)			psi		Test Temperature_	1073	•	
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Pressure <u>N/A</u> psi Test Temperature <u>N/A</u> •F Pressure Relief Valves: Service <u>Steam</u> Size <u>4*x 6*</u>	Pressure Her		9549 Beic		Blowdown fif en	licable) . N/A	
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	9. REMARKS Applicable Manufac	Liren Data Reports to be Attached
N/A		
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We certify that the ASME Co		s to the rules of
Type Code Sy	nbol <u>NR</u> Certificate of Authorization No. <u>20</u> Expiration Date	
Signed	WStarm J Nuclear Safety & Inspection Manager Date 5/27 19	<u>9</u> 9
State or Province of have inspected the c that to the best of rm	CERTIFICATE OF INSERVICE INSPECTION Iding a valid commission issued by the National Board of Boller and Pressure Vessel Inspecto <u>Ohio</u> and employed by <u>Protection Mutual</u> of <u>Park Ridge</u> , Illipois <u>T</u> mponents described in this Owner's Report during the period <u>1011190</u> to <u>4000</u> , a knowledge and belief, the Owner has performed examinations and taken corrective measures er's Report in accordance with the requirements of the ASME Code, Section XI.	<u>K. 6/8/99</u> nd state
examinations and co shall be liable in any	ate, neither the Inspector nor his employer makes any warranty, expressed or implied, concer rective measures described in the Owner's Report. Furthermore, neither the Inspector nor his nanner for any personal injury or property damage or a loss of any kind arising from or connect A	employer ted with
Inspectore Signature	Lan 6/8/19 Commissions NB 9330 NIA National Board, State, Province and Endorsement	COMM.
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	dison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
-	Besse Nuclear Power Stat		Jnit	#1			
	Nurve I. SR 2. Oak Harbor, OH 43			WO 98-001710-000			
	By			Repeir Organization P.O. N Stamp <u>NR</u>	ia., Job N o.	etc.	
				ion NO20			
<u> </u>	I. SR 2. Oak Harbor. OH 43	3449		on Date <u>7-17-0</u>			
. Identification of	SystemsCTMT Vacuur	m Relief ISO Butte	erfly Valve	CV5076 (Subsys	060-01	<u> </u>	
i. (a) Applicable (Construction CodeASMI	ENICL2 Edi	ition 19 <u>71</u>	Addendum <u>N</u>	A	Code Case	VA
	Edition of Section XI Utilize						
(c) Design Res	ponsibilities <u>Valtek In</u>	IC. & IOIEGO EGIS	on 66.			<u></u>	
	6. Identification of Comp	onents Repaired c	or Replaced	and Replacement Co	ompone	ints	
<u> </u>	• ••						
ume of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Co Star
Control Valve	Fisher Controls Co.	5110734	N/A	CV 5076	1974	Replaced	Y
Control Valve	Valtek Inc.	77385.001.6	N/A	CV 5076	1991	Replacement	Y Y
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	·	7. Descript	tion of Work	<u> </u>	1		<u> </u>
sting \$" butterfly cont	rol valve (Fisher Controls Co.) S	N 5110734 was remov	red and replac	ed with a 8" butterfly con	trol valv	8	
litek Inc.) \$/N 77385.0	01.6. After Installation, a function	nal test was performed	i satisfactory.	· · · · · · · · · · · · · · · · · · ·			
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		<u></u>		,			
<u> </u>						CO) Other (N)	ור
. Tests Conducted:	Hydrostatic (NO) Pressure <u>38.5</u>	Pneumatic (NO)		inal Operating Press est Temperature			,
Pressure Reli							
	Service_N/A		<u></u>	SizeN/A			
	Opening Pressure	···· N/A		Blowdown (if applic	able)	N/A	
	opening riessano						
	Set Pressure and Blowdow			N/A	et Medium)		

	FURN	/ NIS-2 /NR-1 / 1	
		9. REMARKS	Applicable Manufacturers Data Reports to be Attached
Vallek Inc.			<u> </u>
······································			· ·
We certify that the statements me the ASME Code Section XI.	de in the report are correc		aent conforms to the rules of
Type Code Symbol NR	Certificate of Authoriz	zation No20	Expiration Date17-01 erDate7/2030
Stored & W. Star	Nuclear Safe	sty & inspection Manag	er Date 5/7/2000
aigned <u>see to </u>	Wemer or Owner's Designee, Titi	•	
I, the undersigned, holding a valid comm State or Province of <u>Ohio</u> and have inspected the components describ that to the best of my knowledge and be	CERTIFICAT ission issued by the Natio employed by <u>Factory Mu</u> ad in this Owner's Report	E OF INSERVICE II nat Board of Boiler an itual Ins. Co. • of during the period 3	NSPECTION Id Pressure Vessel Inspectors in the Johnston, R.I. ティーペーto、デニアーダー, and state
that to the best of my knowledge and be described in this Owner's Report in acco By signing this certificate, neither the ins examinations and corrective measures of shall be liable in any manner for any per	rdance with the requirement pector nor his employer mescribed in the Owner's F	ents of the ASME Cod nakes any warranty, et leport. Furthermore, i	e, Section XI. xpressed or implied, concerning the netther the inspector nor his employer
this increation A a			
B.L	5-7-00 Com	missions NB 980	N I A COMPA ard, State, Province and Endorsements
Inspector's prignature	Date	National Bo	ard, State, Province and Endorsements
We certify that the statements made in relief device described above conforms defined in publications NB-65 and NB-1	this report are correct and to Section XI and Section	TIFICATE OF COMP the repair, modificati till of the ASME Code	on, or replacement of the pressure
We certify that the statements made in reflef device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No316_	this report are correct and to Section XI and Section 02, current editions.	the repair, modification ill of the ASME Code	on, or replacement of the pressure and the National Board rules as
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12	2. Manu	actured forTol	edo Edison. Oak Harnor.	Ohio		
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	4 Pump	or ValveCor	itrol Valve Nomina	there size 8 171Ch C	aller Sue 8 inch	
		tat Model No .	(b) Manufacturers Ic: Canadia			
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		or Type	No. No	No 'e) Class	Ed. No. Bunk	
	(1)	Valdisk	77385.001.6 N/A	A77385.001 2	<u>N/A 1991</u>	
	(2)			<u></u>		
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	16)					
	(7)					
	(8)			and the state of the second state of the second states of the second sta		
•	(9)			······································	·····	
	(10)			······································		
	5	TSOLATION ST	RVICE			
			(Brief description of service for	which equipment was designed?		
	6. Desig	n Conditions	(Pressure) (Temperatur	e#		
	7. Cold	n Conditions Working Pressure _ ure Retaining Piece:	450 psi at 100°F	ef		
	7. Cold	Worlding Pressure _	450 psi at 100°F	Manufacturer	Remarks	
	7. Cold 1 8. Press 	Working Pressure _ ure Retaining Piece: Mark No. Istings	450 psi at 100°F	Manufacturer	HEAT CODE	
	7. Cold 1 8. Press 	Working Pressure _ ure Rataining Piece: Mark No.	450 psi at 100°F			
	7. Cold 8. Press (a) Ci	Working Pressure _ ure Retaining Pieces Mark No. Istings 11830	450psi at 100°F Material Spec. No. SA 216-903	Manufacturer American Foundry	HEAT CODE	
	7. Cold 8. Press (a) Ci	Working Pressure _ ure Retaining Piece: Mark No. Istings	450 psi at 100°F Material Spec. No.	Manufacturer	HEAT CODE	
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	7. Cold 8. Press (a) Ci	Working Pressure _ ure Retaining Pieces Mark No. Istings 11830	450psi at 100°F Material Spec. No. SA 216-903	Manufacturer American Foundry	HEAT CODE	
	7. Cold 8. Press (a) Ci	Working Pressure _ ure Retaining Pieces Mark No. Istings 11830	450psi at 100°F Material Spec. No. SA 216-903	Manufacturer American Foundry	HEAT CODE	
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	7. Cold 8. Press (a) C. 5.	Working Pressure _ ure Retaining Pieces Mark No. ISSINGS 11830	450psi at 100°F Material Spec. No. SA 216-903	Manufacturer American Foundry	HEAT CODE	
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	7. Cold 8. Press (a) C. 5.	Working Pressure _ ure Retaining Pieces Mark No. ISSINGS 11830	450psi at 100°F Material Spec. No. SA 216-903	Manufacturer American Foundry	HEAT CODE	
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	7. Cold 8. Press (a) C. 5.	Working Pressure _ ure Retaining Pieces Mark No. ISSINGS 11830	450psi at 100°F Material Spec. No. SA 216-903	Manufacturer American Foundry American Foundry	HEAT CODE	
	7. Cold 8. Press (a) Cr 5 	Working Pressure _ ure Retaining Pieces Mark No. ISSINGS 11830	450psi at 100°F Material Spec. No. SA 216-HCB SA 351-CFBM	Manufacturer American Foundry American Foundry	HEAT CODE	
	7. Cold 8. Press (a) Cr 5 	Working Pressure _ ure Retaining Pieces Mark No. ISSINGS IIE30 //1799//1799//1799//1799	450 psi at 100°F Material Spec. No. SA 216-HCB SA 351-CFBM	Manufacturer American Foundry American Foundry	HEAT CODE LXW LQG	
	7. Cold ' 8. Press (a) Ci J 	Working Pressure ure Retaining Piece: Mark No. Istings 11830 //1799//1799//1799//	450 psi at 100°F Material Spec. No. SA 216-HCB SA 351-CFBM SA 351-	Manufacturer American Foundry American Foundry	HEAT CODE LXW LQG	
	7. Cold ' 8. Press (a) Ci J 	Working Pressure _ ure Retaining Piece: Mark No. Istings 11830 //1799/ //1799/ //1799/ //1799//	450 psi at 100°F Material Spec. No. SA 216-HCB SA 351-CFBM SA 351-	Manufacturer American Foundry American Foundry American Foundry	HEAT CODE LXM LXM LQG	

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		Materiat Spec No	a Manufacturer	Remarks	
	Mare No.			Heat Codes	•
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			Carl Carl Carl		=
	(d) Other Parts			THO	-
	V11792	<u>50-479-316</u>	Coulter_Steel		-
	V11809	ST 564-630 H 1025	· Coulter Steel	LINA	
		1	multer Steel	LVZ	
	V11843 V118	21 EA 564-630 H 1025			-
					-
	The second s				-
	3. Hydrostatic test _450				
		CERTIFICATE OF	COMPLIANCE		
	and another that the states	vents made in this report are corre-	and that this pump, of wah	re, conforms to the rules of	4
	construction of the ASME	CARLE CON PLUCIELT FOWER THEME WE	mponentz. Section III, Div. L.	15 Aco 91	
	Addends Nono	, Code Case No	- Onlarca	0	<u> </u>
	Signed Val	an and		mbol expires <u>14 Oct 9</u>	2
	Our ASME Certificate of A	uthonization No1884t	(NO (VEV)	iDem)	
		CERTIFICATION	OF DESIGN		
	Design information on file	st Valtek Inc. 20 50	x 2200, Mtn. Spring:	Itan 84663	Le.
	Stress analysis report (Cli	ass I only? on file atValtek.			_1
	Design specifications can	Mark A. Barris			-1
	finan Chin				_{
	Stress analysis perified to	V (1)Fred MCain Reg. No7080	······································		
	(t) Signature not required		1		1
	(1) Signature not require				
		CERTIFICATE OF 8	HOP INSPECTION		
	A she underslapert brild	ing a valid commission issued by t	he National Board of Bollar a	nd Pressure Vessel Inspecto	in a
	ofHartford,_O	onnecticat have inspected	d the pump, or valve, sead	hord an une paix report Hief, the Manufacturer has ci	20-
	<u>14_8ug</u>	itys, in accordance with the ASME C	oda, Section IX.		
I		where the tenned of his area	Invermakes any warranty. Ch	pressed or emplied, concerni	iog
	and the second sec	4 1~ 4~14 のかかり 見えたのす (Fi)のわれていない。	BEITHER THE BREDE TO THE THE T	Citer Citer att under beite ander auf der der der der der der beiter beiter beiter der der beiter beiter beiter	# 294 ···
	mannar for any parapria	Injury of property damage or a lost	of any kind analog hom or at	NUMERS WILL THE ADDRESS	* }
際 🔡		8/15 19.91	set to a	otor anne	
	Dette		and an INA THE A		
	Dette	Com	missions 114: 91 INSTLAG	in free and Hal	

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	As F	Required	by the Provisions	of the ASM	R REPAIRS OR			
. Owner	Edison Company		(Date	5/2/00		. <u> </u>	
	dison Ave., Toled			SI	heet 1 of 1			
2. Plant <u>Davis-</u>	Address			Jnit	#1			
	. SR 2. Oak Harbo			WO 99	-000269-000, 003. &	004		
					Repair Organization P.O. N tampNR	io., Job No.,	stc.	
3. Work Performed					ion N020			
<u>5501 N</u>	. SR 2. Oak Harbo	r. OH 43	449					
				•	on Date 7-17-0			
4. Identification of S	SystemsRC Lo	tdown (Cooler 1-1 Inlet IS	O Valve	<u>MU1A (Subsys 06</u>	5-01)		_
5. (a) Applicable (tion 19 <u>68</u>		Ά	Code Case <u>N</u>	<u>/A</u>
(b) Applicable f	Edition of Section X	(I Utilized	d for Repairs or Re	placements	s 1986			
(c) Design Res	ponsibilities	lelan En	gineering Co , Tol	edo Edison	Co			
						mpone	nts	<u>.</u>
	6. Identification	of Comp	onents Repaired o	r Heplaced	and Replacement Co			
Name of Component	Name of Manufac	turer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASNE Code Stamp
Valve Bonnet	Velan Engineeri	ng Co	HT Code 62719	N/A	MUIA	1972	Replaced	No
Valve Bonnet	Velan Engineer	ng Co	13783	N/A	MUTA	19 99	Replacement	No
8 - 5/8" Studs	Nova Machine	Prod.	HT# 71217	N/A	MUIA	1999	Replacement	No
		<u> </u>	5hy 712917					
			7. Descript	tion of Work	. <u>l</u> .			
temoved existing valve i	connet heat code 6271	9 and repl	aced it with a like for I	ike bonnet se	rial # 13783. Replaced ex	isting bo	ly to bonnet studs.	
Removed bonnet leak of				relded perform	med.			
Valve was reassemblied	and a VT-2 leakage tes	t was per	formed satisfactory.				· · · · · · · · · · · · · · ·	
			······					
		·	· · · · · · · · · · · · · · · · · · ·				·····	
		<u></u>						
			······································				·	
8. Tests Conducted:	Hydrostatic (1 Pressure	•	Pneumatic (NO)		inal Operating Press est Temperature		ES) Other (NC •F	> }
Pressure Reli								'
	Service_N/A		·····		SizeN/A			
	Opening Pressure		N/A		Blowdown (if applic	able)	N/A	
	Set Pressure and	Blowdow	wn Adjustments Ma	ade Using_	N/A	ent Medium 3		
	at_N/A				is may be used, prov ch sheet, and (3) e			

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	FORM NIS-2 /NR-1 / NVR-1
<u> </u>	S. REMARKS Applicable Manufacturers Data Reports to be Attached
VA	
We certify that the the ASME Code S	
Type Code Symbo	olNR Certificate of Authorization No20 Expiration Date7.17-01
Signed_2/.1	Nuclear salety & inspection mailage Date 18-
State or Province of have inspected the comp that to the best of my known	CERTIFICATE OF INSERVICE INSPECTION Ing a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors in the <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.</u> of <u>Johnston, R.I.</u> ponents described in this Owner's Report during the period <u>All6199</u> to <u>SI3100</u> , and state iowledge and belief, the Owner has performed examinations and taken corrective measures 's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate examinations and correc shall be liable in any main the low solids	e, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the ctive measures described in the Owner's Report. Furthermore, neither the inspector nor his employer inner for any personal injury or property damage or a loss of any kind arising from or connected with
Thomas &	Lege ANET 5/4/00 commissions NB4330 NIA COMM. National Board, State, Province and Endorsements
	CERTIFICATE OF COMPLIANCE
We certify that the state relief device described a defined in publications f	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions.
We certify that the state relief device described a defined in publications f	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions. NB-85 and NB-102, current editions. tion No316
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-65 and NB-102, current editions. tion No to use the "VR" stamp expires Dec, 13, 2001. tion No to use the "NR" stamp expires Uriv 17, 2001. Nuclear Safety & Inspection Manager
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-65 and NB-102, current editions. tion No to use the "VR" stamp expires Dec. 13, 2001. tion No to use the "NR" stamp expires <u>July 17</u> , 2001. Nuclear Safety &
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-65 and NB-102, current editions. tion No
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat Date 1	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions. tion No to use the "VR" stamp expires Dec. 13, 2001. tion No to use the "NR" stamp expires July 17, 2001. tion No to use the "NR" stamp expires July 17, 2001. Nuclear Safety & Isepatr Organization Authorized Representative The CERTIFICATE OF INSPECTION
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat Date, 1	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-65 and NB-102, current editions. tion No
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat Date	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions. tion No to use the "VR" stamp expires Dec. 13, 2001. tion No to use the "NR" stamp expires July 17, 2001. tion No to use the "NR" stamp expires July 17, 2001. Nuclear Safety & Isepatr Organization Authorized Representative The CERTIFICATE OF INSPECTION
We certify that the state relief device described a defined in publications f Certificate of Authorizat Certificate of Authorizat Date	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions. tion No 160 use the "VR" stamp expires
We certify that the state relief device described a defined in publications f Certificate of Authorizat Date	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-65 and NB-102, current editions. tion No316
We certify that the state relief device described a defined in publications f Certificate of Authorizat Date	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions. tion No
We certify that the state relief device described a defined in publications i Certificate of Authorizat Certificate of Authorizat Date	CERTIFICATE OF COMPLIANCE ements made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions. tion No
We certify that the state relief device described a defined in publications f Certificate of Authorizat Date	CERTIFICATE OF COMPLIANCE meants made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-65 and NB-102, current editions. tion No316 to use the "VR" stamp expires2001. tion No20 to use the "NR" stamp expires2001. Nuclear Safety &
We certify that the state relief device described a defined in publications f Certificate of Authorizat Date	CERTIFICATE OF COMPLIANCE ments made in this report are correct and the repair, modification, or replacement of the pressure above conforms to Section XI and Section III of the ASME Code and the National Board rules as NB-85 and NB-102, current editions. tion No316 to use the "VR" stamp expires2001 tion No20 to use the "NR" stamp expires2001 Nuclear Safety &

Owner Toled	o Edison Company		Date	5/18/00			
	num Adison Ave., Toledo, OH 43			heet 1 of 1			
	Addess		init	#1			
	Besse Nuclear Power Stat						
	I. SR 2. Oak Harbor. OH 43			WO 99-000403-000 Repair Organization P.O. N			
. Work Performed	By Toledo Edison C	ompanyT	• •	stamp <u>NR</u>			
<u>5501 N</u>	I. SR 2. Oak Harbor. OH 43	449	Authorizati	ion N0 20		·······	
	ACTUR		Expiratio	on Date7-17-0	1		
4. Identification of	SystemsCFT 1-2Disc	charge Isolation V	aive CF	1A (Subsys 051-0	1)		_
	Construction Code <u>ASME</u>		ition 19 <u>68</u>			Code Case N	VA.
• • • • •				•	_		
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	eplacements	s 19 <u> 8</u> 5 <u> </u>			
(c) Design Res	ponsibilities <u>Velan En</u>	gineering Co.					
	6. Identification of Comp		Boolood	and Replacement Co	mnone	nts	
	5. Identification of Comp	onents riepaired c				·····	1
ame of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Co Stai
Valve	Velan Engineering Co.	33809	NA	CF1A	1972	Repaired	Y
Valve Stem	Velan Engineering Co.	HT# 45088	N/A	N/A	1972	Replacement	
Valve Stem	Velan Engineering Co.	HT#28608	N/A	N/A	1981	Replacement	
			_	<u> </u>			
			┨────				\top
		7. Descrip	tion of Work				
ive CF1A was disasse	mbled and existing valve stem h	T# 45808 was remove	d and replace	d with a like for like repla	icement v	aive stem HT# 28608	l.
ter valve was reassem	biled and pressurized, verified n	o leakage from body t	o bonnet leak	age.			
							<u> </u>
				<u>. </u>			
	••	•					
			•				
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>NOP</u>	Pneumatic (NO) psi		ninal Operating Press est Temperature		ES) Other (No •F	0)
Pressure Rel	•						
	Service_N/A			SizeNA			
	Opening Pressure			Blowdown (If applic	able)	<u>N/A</u>	
		a 11	ada Liciaa	N/A			
	Set Pressure and Blowdo	wn Adjustments M	aue Usury_	(•	ust Helige	-	

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	FORM NIS-2 /NR-1 /-NVR-1-
	8. REMARICS Applicable Manufactures Data Reports to be Attached
A	
	CERTIFICATE OF COMPLIANCE
the ASME Code Section XI.	report are correct and this <u>replacement</u> conforms to the rules of
	ficate of Authorization No Expiration Date
signed R.W.S. Kommy A.	Nuclear Safety & Inspection Manager Date 5/19/00
Signed	r Cemarie Designare, Yilla
	CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission iss	ward by the Netional Roant of Boller and Pressure Vessel Inspectors in the
State or Province of <u>Ohio</u> and employed	by Factory Mutual Ins. Co. or Journs of S12300, and state
that to the hest of my knowledge and ballet. The Q	Mner has benomed examinations and later conscience measures
described in this Owner's Report in accordance w	th the requirements of the ASME Code, Section XI.
Production and the section of the logned of Pr	or his employer makes any warranty, expressed or implied, concerning the
boding a second as the second se	in the Owner's Report Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal inju	iry or property damage of a loss of any kind ansing from or connected with
this inspection.	In the state of th
Thomas & Joon ANIL 5	Date Commissions NB 9338 NIA COMM.
Inspector's Signature	
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in this repo	t era correct end the renair, modification, or replacement of the pressure
relief device described above conforms to Sectio	rt are correct and the repair, modification, or replacement of the pressure n XI and Section III of the ASME Code and the National Board rules as
relief device described above conforms to Section defined in publications NB-65 and NB-102, current	rt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions.
relief device described above conforms to Sectio defined in publications NB-65 and NB-102, curre Certificate of Authorization No. <u>316</u> to	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. use the "VR" stamp expires
relief device described above conforms to Section defined in publications NB-65 and NB-102, current	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. use the "VR" stamp expires
relief device described above conforms to Sectio defined in publications NB-65 and NB-102, curre Certificate of Authorization No. <u>316</u> to Certificate of Authorization No. <u>20</u> to	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as int editions. I use the "VR" stamp expires
relief device described above conforms to Sectio defined in publications NB-65 and NB-102, curre Certificate of Authorization No. <u>316</u> to	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as int editions. I use the "VR" stamp expires
relief device described above conforms to Sectio defined in publications NB-65 and NB-102, curre Certificate of Authorization No. <u>316</u> to Certificate of Authorization No. <u>20</u> to	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ent editions. I use the "VR" stamp expires <u>Dec. 13</u> , <u>20</u> 01 I use the "NR" stamp expires <u>July 17</u> , <u>20</u> 01 Nuclear Safety & <u>Inspection Manager</u> Diguization Automatic Representative THe
relief device described above conforms to Sectio defined in publications NB-65 and NB-102, curre Certificate of Authorization No. <u>316</u> to Certificate of Authorization No. <u>20</u> to Date, 19, Signed <u>Toled</u>	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ont editions. use the "VR" stamp expires
relief device described above conforms to Sectio defined in publications NB-65 and NB-102, curre Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Report 	rt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as int editions. Puse the "VR" stamp expires
relief device described above conforms to Section defined in publications NB-65 and NB-102, currer Certificate of Authorization No to Certificate of Authorization No to Date 19, Signed te Report I, the undersigned, holding a valid commission is certificate of competency issued by the State or F	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as sent editions. Puse the "VR" stamp expires
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Repair of Repair of the undersigned, holding a valid commission is: certificate of competency issued by the State or F of Johnston, R.I have inspected the re-	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. Puse the "VR" stamp expires
relief device described above conforms to Section defined in publications NB-65 and NB-102, currer Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Date, 19, Signed to Repair of Repair of the undersigned, holding a valid commission is: certificate of competency issued by the State or F of have inspected the re-	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. Use the "VR" stamp expires
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Date, 19, Signed to Repair of Repair of dometon, R.I have inspected the re- on, 19 and state that to the I constructed in accordance with Section XI and Se	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as sent editions. Puse the "VR" stamp expires
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Date, 19, Signed to Repair of the undersigned, holding a valid commission is certificate of competency issued by the State or F of, have inspected the re- on, 19 have inspected the re- constructed in accordance with Section XI and Se	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. Use the "VR" stamp expires
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relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date 19 Signed to Date 19 Signed to Report Report is the undersigned, holding a valid commission is certificate of competency issued by the State or F of Johnston, R.I have inspected the re- on, 19 have inspected the re- on structed in accordance with Section XI and So NB-102, current editions. By signing this certificate, neither the Inspector m	nt are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. Puse the "VR" stamp expires
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relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date 19, Signed to Date 19, Signed te Mean of to Repair of definition of competency issued by the State or F of have inspected the re- on, 19 and state that to the I constructed in accordance with Section XI and Se NB-102, current editions. By signing this certificate, neither the Inspector in repair, modification or replacement described in Eable in any manner for any personal injury or pi	It are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. Puse the "VR" stamp expires
relief davice described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Date, 19, Signed to Date, 19, Signed to Repair of the undersigned, holding a valid commission is certificate of competency issued by the State or F of <u>Johnston, R.I.</u> have inspected the re- on, 19 and state that to the I constructed in accordance with Section XI and Se NB-102, current editions. By signing this certificate, neither the Inspector re repair, modification or replacement described in Eable in any manner for any personal injury or pit this inspection.	It are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. The stamp expires
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No16 Certificate of Authorization No20 to Date, 19, Signed Toled Repair of Repair of the undersigned, holding a valid commission is certificate of competency issued by the State or F of, 19 have inspected the re- on, 19 have inspected the re- on, 19 and state that to the I constructed in accordance with Section XI and Section XI and Sections. By signing this certificate, neither the inspector means, modification or replacement described in Eable in any manner for any personal injury or pit this inspection.	It are correct and the repair, modification, or replacement of the pressure in XI and Section III of the ASME Code and the National Board rules as ant editions. The stamp expires

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	NIS-2 / NR-1 / -NVR-1 As Required	by the Provisions		E Code Section XI			
1. Owner <u>Toled</u>	o Edison Company		Date	5/18/99			-
	Nerre Adison Ave., Toledo, OH 4		S	heet 1 of <u>4</u>			
	Adress		Linit	#1			
2. Plant <u>Davis-</u>	Besse Nuclear Power Sta		Οηκ	¥1			
<u> </u>	I. SR 2. Oak Harbor. OH 4	3449		WO 99-001162-000 Repuir Organization P.O. No	., Job No., e	No.	
3. Work Performed	By Toledo Edison (Company	Type Code	StampNR			
EEA4 A	Num I. SR 2, Oak Harbor, OH 4	SAAS	Authoriz	zation N020_			
<u></u>	Address						
			Expin	ation Date7-17-0	h		
4. Identification of	Systems <u>Main Steam</u>	Line #1 (Subsy	rs 083-01)			· · · · · · · · · · · · · · · · · · ·	
	Construction Code <u>ASM</u>	F III CL2 Edi	ition 19 <u>68</u>	Addendum Y	68	Code Case	/ A
••••							
(b) Applicable	Edition of Section XI Utili:	zed for Repairs or	Replaceme	ints 19 <u>86</u>			
(a) Design Re	sponsibilities <u>Tol</u> edo I	Edison Co. Dresse	r Industries	nc., Nova Machine	Prod.	Inc.	
(c) Design Re							
<u> </u>	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement (Compo	nents	
			T				
Mame of Component	Name of Manufacturer	· Manufacturer's	National	Other Identification/	Year Built	Repaired Replaced or Replacement	ASM
		Serial NO.	Board NO.	Jurisdictional NO.	BUILC	or Replacement	Stamp
Salety Valve	Dresser	BM 8635	N/A	SP17B4	1968		Yes
Safety Valve	Dresser	BM 8633	N/A	SP17B4	1968	Replacement	Yes
Safety Valve	Dresser	BM 8640	N/A	SP1786	1968	Replaced	Yes
Safety Valve	Dresser	6 BM 8639	N/A	SP17B6	1968	Replacement	Yes
Safety Valve	Dresser	BS 06255	N/A	SP17B7	1968	Repaired	Yes
* Stud/Nuts	UNK	UNK	N/A	SP1787	Unk	Replaced	No
		7. Descript	tion of Worl			A	
	y valve SP17B4 one stud and h						
	62 supplied by Nova Machine P	roduct, and replaceme	IIK RUIS WORD				
supplied by Hamanaka N			stallation The	as webune are lite for St.	manless	mente	
supplied by Hamanaka N Safety viaves SP17 B4 as	d B6 were repaired by NWS Te					ments.	
supplied by Hamanaka N Safety vlaves SP17 B4 as Safety valve SP17B7 was	ed B6 were repaired by NWS Te removed , sent to Dresser ind					ments.	
supplied by Hamanaka N Safety viaves SP17 B4 as Safety valve SP17B7 was returned and reinstalled	ad B6 were repaired by NWS Te removed , sent to Dresser Indi back in its original location.	ustries for rebuild, tes	ted satisfacto			menis.	
supplied by Hamanaka N Safety viaves SP17 B4 as Safety valve SP17B7 was returned and reinstalled	ed B6 were repaired by NWS Te removed , sent to Dresser ind	ustries for rebuild, tes	ted satisfacto			menis.	
supplied by Hamanaka N Safety viaves SP17 B4 as Safety valve SP17B7 was returned and reinstalled	ad B6 were repaired by NWS Te removed , sent to Dresser Indi back in its original location.	ustries for rebuild, tes	ted satisfacto				
supplied by Hamanaka N Safety viaves SP17 B4 at Safety valve SP17B7 was returned and reinstalled A satisfactory VT- 2 inse	nd B6 were repaired by NWS Te removed , sent to Dresser Indi back in its original location. rvice test was performed on all	ustries for rebuild, tes three valves after inst	allation.		······································		
supplied by Hamanaka N Safety viaves SP17 B4 as Safety valve SP17B7 was returned and reinstalled	nd B6 were repaired by NWS Te i removed , sent to Dresser Indi back in its original location. rvice test was performed on all Hydrostatic (NO)	ustries for rebuild, tes three valves after inst Pneumatic (NO)	aliation.	ry et Wyle Laboratories,	sure (YES) Other (NG))
supplied by Hamanaka N Safety viaves SP17 B4 at Safety valve SP17B7 was returned and reinstatled A satisfactory VT-2 inse 8. Tests Conducted:	d B6 were repaired by NWS Te removed , sent to Dresser Indi- back in its original location. rvice test was performed on all Hydrostatic (NO) Pressure <u>1205</u>	ustries for rebuild, tes three valves after inst Pneumatic (NO)	aliation.	ry et Wyle Leboratories, inal Operating Pres	sure (YES) Other (NG)
supplied by Hamanaka N Safety viaves SP17 B4 as Safety valve SP17B7 was returned and reinstalled A satisfactory VT- 2 inse	d B6 were repaired by NWS Te removed , sent to Dresser Indi- back in its original location. rvice test was performed on all Hydrostatic (NO) Pressure <u>1205</u> ef Valves:	ustries for rebuild, tes three valves after inst Pneumatic (NO) psi	allation.	ry at Wyle Laboratories, inal Operating Press Test Temperature	sure (NOT	YES) Other (NG	
supplied by Hamanaka N Safety viaves SP17 B4 at Safety valve SP17B7 was returned and reinstatled A satisfactory VT-2 inse 8. Tests Conducted:	nd B6 were repaired by NWS Te i removed , sent to Dresser Indi- back in its original location. rvice test was performed on all Hydrostatic (NO) Pressure <u>1205</u> ef Valves: Service_N/A	ustries for rebuild, tes three valves after inst Pneumatic (NO) psi	allation.	inal Operating Press Test Temperature SizeN/A	sure (NOT	YES) Other (NG 9F	-
supplied by Hamanaka N Safety viaves SP17 B4 at Safety valve SP17B7 was returned and reinstatled A satisfactory VT-2 inse 8. Tests Conducted:	d B6 were repaired by NWS Te removed , sent to Dresser Indi back in its original location. rvice test was performed on ell Hydrostatic (NO) Pressure ef Valves: Service_N/A Opening Pressure	three valves after inst Pneumatic (NO) psi	allation.	inal Operating Press Test Temperature SizeN/A Blowdown (if app	sure (NOT	YES) Other (NG•F	-
supplied by Hamanaka N Safety viaves SP17 B4 at Safety valve SP17B7 was returned and reinstatled A satisfactory VT-2 inse 8. Tests Conducted:	nd B6 were repaired by NWS Te i removed , sent to Dresser Indi- back in its original location. rvice test was performed on all Hydrostatic (NO) Pressure <u>1205</u> ef Valves: Service_N/A	three valves after inst Pneumatic (NO) psi N/A	allation.	inal Operating Press Test Temperature SizeN/A Blowdown (If app N/A	sure (NOT	YES) Other (NG •F)N/a	-

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B. REMARKS Applicable Manufactures Data Reports to be Adached NVR is from NWS Technologies for Safety valves SP17 84 serial # BM 8533 and SP1786 serial # BM 8539. NVR from Dresser Ind. for Safety valve SP1787 serial # BM 8533 and SP1786 serial # BM 8539. NVR from Dresser Ind. for Safety valve SP1787 serial # BS 66255. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section X. Type Code SymbolNR_Certificate of Authorization No20_Expiration Date7.17-01 SignedM. StatumNuclear Safety & Inspection ManagerDate//8 1997 Officer or comerts before. The It is undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vassel Inspectors in the State or Province ofOho_ and employed byProtection MutualPark Fidage, Illipols have inspected the components described in this Owner Parsport during the period <u>AMAX (a)</u> to <u>STAVE</u> , and state described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector on his employer makes any warranky, expressed or implied, concerning the examinations and corrective measures described in the Owner's 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.
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI. Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01 Signed W. Start Muclear Satety & Inspection Manager Date 5/18 19 97 Office of One's One's Designer. The CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province of Ohio and employed by Protection Mutual * of Park Ridge, Illipois have inspected the components described in this Owner's Report during the period 413349 to 513049 , and state that to the best of my knowledge and belief, the Owner's Report during the period 413349 to 513049 , and state that to the best of my knowledge and belief, the Owner's Report during 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 the Owner's 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.
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI. Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01 Signed Signed Nuclear Safety & Inspection Manager Date 5/18 19 97 Other or Owner's Designed, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province of Ohio and employed by Protection Mutual * of Park Ridge, Illipois have inspected the components described in this Owner's Report during the period 42249 to 52092, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this correlance 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 the Owner's 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 hispection.
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI. Type Code Symbol NRNRCertificate of Authorization No20Expiration Date7-17-01 SignedN. SignedNNNuclear Satety & Inspection Manager Date
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI. Type Code Symbol NRNRCertificate of Authorization No20Expiration Date7-17-01 SignedN. SignedNNNuclear Satety & Inspection Manager Date
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI. Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01 Signed M.M. Statum Nuclear Satety & Inspection Manager Date 5/18 19 97 Other or Owner's Designes. The CERTIFICATE OF INSERVICE INSPECTION 19 97 I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province of Ohio and employed by Protection Mutual * of Park Ridge, Illipols have inspected the components described in this Owner's Report during the period 423,492 to 5120,491 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in 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 the Owner's Report. Furthermore, neither the Inspector nor his employer states of any kind arising from or connected with this inspection.
the ASME Code Section XI. Type Code Symbol <u>NR</u> Certificate of Authorization No. <u>20</u> Expiration Date <u>7-17-01</u> Signed <u>X.M. Starm</u> , <u>Muclear Satety & Inspection Manager</u> Date <u>5/18</u> 19 97 Other or Owner's Designes. The <u>CERTIFICATE OF INSERVICE INSPECTION</u> I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> of <u>Park Ridge</u> , Illinois have inspected the components described in this Owner's Report during the period <u>A133.49</u> to <u>5120490</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the Owner's 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.
Signed
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> of <u>Park Ridge, Illipols</u> have inspected the components described in this Owner's Report during the period <u>A133.09</u> to <u>5120.09</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the Owner's 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.
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> of <u>Park Ridge, Illipols</u> have inspected the components described in this Owner's Report during the period <u>A133.09</u> to <u>5120.09</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the Owner's 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.
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> of <u>Park Ridge, Illipols</u> have inspected the components described in this Owner's Report during the period <u>A123.99</u> to <u>520.99</u> , and state that to the best of my knowledge and belief, the Owner's Report during 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 the Owner's 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.
described in this Owner's 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 the Owner's 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.
examinations and corrective measures described in the Owner's 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.
examinations and corrective measures described in the Owner's 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.
this inspection.
Inspector's Signature () Date National Board, State, Province and Endorsements
CERTIFICATE OF COMPLIANCE
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions.
Certificate of Authorization No. 316 to use the "VR" stamp expires Dec. 13 2001
Certificate of Authorization No. 20 to use the "NR" stamp expires Juty 17
Date, 19, Signed Toledo Edison Inspection Manager
Dato Repair Organization Authorized Representative THe
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and
certificate of competency issued by the State or Province ofOhio_ and employed byProtection Mutual *
of Park Ridge, Winols have inspected the repair, modification, or replacement described in this report
on, 19, and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or
on 19 and state that to the best of my browledge and benet, ons topad, included, or repaction in this position and section III of the ASME Code and the National Board rules as defined in the publication NB-65 and
NB-102, current editions.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this 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.
Commissions
Authorized Inspector's Signature Date National Board, State, Province and Endorsements
* Factory Mutual Engineering Association
* FACTORY MUTUAL INS. CO.

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12 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77

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FORM NVR-1 REPORT OF REPAIR D REPLACEMENT

1. Work performed by: NWS Tech 131 Venture E	nologies, LLC Boulevard, Spartanburg, S	Purchase Order # 5C 29301	S 083319 D98	<u> </u>
2. Work performed for: Centerior Ene				
3/4. Owner - name, address and iden 5501 North State Route 2 Oak ha	tification of nuclear power		Power Station	
5. a: Repaired pressure relief device: b: Name of manufacturer. Dresse	: Main Steam Safety Val	ve		
c: Identifying nos. 3707RA-RT21	BM8633	N/A steam	6 x 8	1972
(type)	(mir's S/N)	(NB#) (service)	(size)	(yr.built)
d: Construction Code: ASME Se	c. III Div. 1 1968		N/A	22
(name/sect	ion/division) (edition)	(addenda) (Co	ode Cases(s))	(Code Class)
6. ASME Code Section XI applicable	for inservice inspection:	1986	N/A	N/A
		(edition)	(addenda)	(Code Case(s))
7. ASME Code Section XI used for re	pairs, replacements:	1986	<u>N/A</u>	<u>N/A</u>
		(edition) 1968	(addenda) W68	(Code Case(s)) N/A
8. Construction Code used for repain	s, replacements:	(edition)	(addenda)	(Code Case(s))
9. Design responsibilities: <u>N/A</u>				
10. Opening pressure: 1100 psig Set-pressure adjustment made a				
11. Description of work (include name lapped seats, inspected, assemb	and identifying number of replace led. Certified set-pressure	ment parts): No parts and seat tightness of	replaced, disa n steam.	ssembled,
12. Remarks N/A				<u> </u>
	CERTIFICATE OF CO			
I, <u>Cesar V. Sierra</u> certify replacement of the pressure relief de	y that the statements made	in this report are con forms to Section XI	of the ASME C	ode and the
National Board Inspection Code "VR	" and "NR" rules.		of the right of the	000 2.1.0 2.1.0
National Board Certificate of Authori		e the "VR" stamp ex	pires April 3	3, 2000.
National Board Certificate of Authori		e the "NR" stamp ex		9, 2000.
Ula 7/98 NWS Technologie Date (repair organization)		presentative)	<u>Ma</u>	anager, QA e)
	CERTIFICATE OF IN	SPECTION		
	ng a valid commission issue		Joard of Boiler	and Pressure
Vessel Inspectors and certificate of	competency issued by the	jurisdiction of	<u> 10</u>	increated the

Vessel Inspectors and certificate of competency issue	a by the junsaiction		
and employed by Hartford Steam Boiler Inspectio	on & Insurance Co.		have inspected the
repair or replacement described in this report on	4/28 /98	and state that to	o the best of my
knowledge and belief, this repair or replacement has t	been completed in a	ccordance with S	ection XI of the
ASME Code and the National Board Inspection Code	"VR" and "NR" rules	i.	
By signing this certificate, neither the undersigned nor	my employer make	s any warranty, e	expressed or
implied, concerning this repair or replacement describ	ed in this report. Fu	thermore, neither	the undersigned
nor my employer shall be liable in any manner for any	personal injury, pro	perty damage or	loss of any kind
arising from or connected with this inspection			~ <i>l</i> ·

4/28/9.8	Recied with this inspect	Euro/	NB 8460, A. N. I. TN 2236 (Thio
Date	Inspector's Signature		Commissions (NB (incl endorseme	nts), jurisdiction,& no.)

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FORM NVR-1 REPORT OF REPAIR REPLACEMENT D OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by:	NWS Techno 131 Venture Bou	logies, LLC Ilevard, Spartanbu			der#_	S 083319 D98	
2. Work performed for:	Centerior Energy	/, Davis-Besse Po	wer Sta	ation			
3/4. Owner - name, ad 5501 North State R	dress and identific oute 2 Oak hart	ation of nuclear p or, OH 43449-97	xower p '60	blant: Davis-	Besse	Power Station	
5. a: Repaired pressur b: Name of manufa		Main Steam Safe Consolidated	ty Valv	e			
c: Identifying nos.		BM8639		N/A si	eam	6x8	1972
C. Identifying noo.	(type)	(mfr's S/N)		(NB#) (s	ervice)	(size)	(yr.built)
d: Construction Coo		• •	968	W68	_	<u>N/A</u>	2
W. WWIIVE	(name/section/		dition)	(addenda)	(Co	de Cases(s))	(Code Class)
6. ASME Code Section	- XI ennlicable fo	r inservice inspect	tion:	1986		N/A	N/A
6. ASIVIE COUE Section	I VI abbierrie	Riberries		(edition)		(addenda)	(Code Case(s))
7. ASME Code Section	n XI used for repr	irs, replacements		1986		N/A	N/A
I. NOME OVER COLLE	11 / 11 200			(edition)	1	(addenda)	(Code Case(s))
8. Construction Code	used for repairs,	replacements:		1968		W68	N/A
		-		(edition))	(addenda)	(Code Case(s))
9. Design responsibilit	ties: <u>N/A</u>					<u> </u>	<u> </u>
10. Opening pressure Set-pressure adju	istment made at:	NWS Techno			using	÷	
11. Description of wo replaced disc/lift st	rk (include name and top/pins, lapped s	identifying number or eats, assembled.	Certifie	ment parts): ve ed set-pressu	ive us re and	seat tightnes	s on steam.
12. Remarks Disc S/N	1: AAS24, Lift Sto	p S/N: 8-9143, Co	otter pin	is S/N: N/A	<u></u>	. <u></u>	
		CERTIFICATE O					
I, Cesar V. Sie	rra certify th	at the statements	made	in this report	are co	rrect and the r	epair or
replacement of the pr		ces described abo	ove con	norms to Sec		OT THE ASIVIC	Code and the

replacement of	the pressur	e relief devices desc	ribed at	oove con	forms to a	Section XI o	f the A	SME Code and the
National Board	Inspection (Code "VR" and "NR"	rules.					
National Board	Certificate d	of Authorization No.	632	to use	the "VR"	stamp expir		April 3, 2000.
National Board	Certificate o	of Authorization No.	81	_to use	the "NR"	stamp expir	res 7	April 9, 2000.
4/23/98	NWS Tecl	nnologies, LLC	70.000	I Ser	fer	ral	<u> </u>	Manager, QA
Date	(repair organ		•					(1110)
		. CERTI	FICATE	OFANS	PECTION	∛ ∕		
I. Carl I	R. Enos	holding a valid co	ommissi	on issue	d by The	National Bo	ard of	Boiler and Pressure
Vessel Inspecto	ors and cert	ificate of competenc	y issued	t by the j	urisdictio	n of*	<u> 1 N</u>	
and employed I	ov Hartfo	rd Steam Boiler Ins	spectior	n & Insu	rance Co	., Hartford,	CT I	have inspected the
repair or replac	ement desc	ribed in this report o	n	-4/25	2198	and state 1	that to t	the best of my
knowledge and	belief, this	repair or replacement	nt has be	een com	pletéd in	accordance	with So	ection XI of the
ASME Code an	d the Natio	nal Board Inspection	Code "	VR" and	"NR" rule	S.		
By signing this	certificate.	neither the undersign	ned nor i	my empl	oyer mak	es any warn	anty, e	xpressed or
implied concer	ning this rea	pair or replacement	describe	d in this	report. Fi	uthermore, r	neither	the undersigned
nor my employ	er shall be li	able in any manner	for any I	personal	injury, pr	operty dama	age or l	loss of any kind
arising from or	connected a	with this inspection.		•	• • • •		-	
		NOG)	1), A, N, I, TN	1 2225	Mar
4/28/98		alk C	no					
Date	Inspec	tor's Signature			Commissi	ons (NB (incl e	ndonsem	ents), jurisdiction,& no.)

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FORM NVR4 REPORT OF REPART OF NUCLEAR PRESSURE FIELEF DEVICES OF NUCLEAR PRESSURE FIELEF DEVICES OF NUCLEAR PRESSURE OF Set of Se			
1. Work performed by Industry layer and character intervation intervation intervation and experiments in a construction intervation of experiments intervation intervation and experiments intervation intervation and experiments intervation	FORM NVR-1 REPORT OF REPAIR B MODIFICATION []	OR REPLACEMENT	_
1. Work performed by Inductival Velos (Detrelicon) IDENSAL and a local sector intermediation (IDENSAL Sector) IDENSAL and a local sector (IDENSAL Sector) 2. Worked performed for First Energy Corp. 26 South Main St. Akron. Oli 44303 3. Owner Toledo Edison Company South Main St. Akron. Oli 44303 5. South N. State Route 2. Oak Harbor. Oli 43449-9760 5. South N. State Route 2. Oak Harbor. Oli 43449-9760 5. Repaired presture neited device: 6. Construction Code ANSE Sector (IDE) 6. Construction Code ANSE Sector (IDE) 7. ASME Code Section XI used for repairs, modifications, or replacements: 9006 8. Construction Code asso for repairs, modifications, or replacements: 9006 9. Design responsibility Same as asso in Above: 10. Design responsibility Same as asso in Above: 10. Design responsibility Same asso in Above: 10. Design responsibility Same asso in Above: 10. Design responsibility Same assound device above: 11. Descripti		01-26840-0	
Intersection Have Alford Alfording, Lotistana 2. Worked performed for	Diessof Industries, Inc., Diessof Verv For Constant Provide	7004801. Rev. 3	_
2. Worked performed for First Energy Corp. 26 South Hain St. Akron. GN 44308 3. Owner Toledo Edison Company 900 performed science 5. South H. State Route 2. Oak Harbor. GN ²⁰⁰ 3449-9760 6. South R. State Route 2. Oak Harbor. UH 4449-9760 6. State Code Section X september 2. Oak Harbor. UH 4449-9760 7. ASUE Code Section X september 2. Oak Harbor. 1985 8. Construction Code asd for repars, modifications, or replacements: 1985 9250 No 8. Construction Code sed for repars, modifications, or replacements: 1985 9300 Bestructure 1. Above 9000 Construction Code and for replace Harbor. 1 Above 10. Opening pressure: 1050 PSIG Blowdown (I spritcable) M/A 10. Opening pressure: 1050 PSIG Blowdown (I spritcable) M/A 10. Opening pressure: 1050 PSIG Blowdown (I spritcable)		(P.C. no., jub ho., 445.)	
2. Worked performance	(adjrets)	OH 44308	_
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4. Name, address and kinrtification of nuclear power plant Davis-Besse Nuclear Plant 5501 M. State Route Z., Oak Harborr, UH 43449-9760 5. a Ropaired pressure railed do/cs. Safety VAIve b: Kenne of manufacturer Emme at Banne in Bohne. Exception State Route Emme at Banne. c: Identifying no. State Specification State Specification State Specification State Specification State Specification State Specification Specification State Specification Sp	3. Owner Toledo Edison Company	•	
4. Name, address and klendification of nuclear power plant <u>Boy is-Besse Nuclear Plant</u> 501 N. State Route Z. Oak Harbor, 0H 43439-9760 501 N. State Route Z. Oak Harbor, 0H 43439-9760 501 A. State Route Z. Oak Harbor, 0H 43439-9760 502 A. State Route Z. Oak Harbor, 0H 43439-9760 502 A. State Code Section 20 A. State Science Z. Oak Harbor, 0H 43439-9760 502 A. State Code Section 20 applicable for hearts in above. <u>1985</u> 603 A. State Code Section 30 applicable for hearts in the state shapedion: <u>1985</u> 603 A. State Code Section 30 applicable for hearts in the state shapedion: <u>1985</u> 603 A. State Code Section 30 applicable for hearts in the state shapedion: <u>1985</u> 603 A. State Code Section 30 applicable for hearts in the state shapedion: <u>1985</u> 603 A. State Code Section 30 applicable for hearts in the state shapedion: <u>1985</u> 603 A. State Code Section 30 applicable on the state shapedion: <u>1985</u> 800 A. A. State Code Section 30 applicable on the states in the states and klowdown adjustment <u>1985</u> 800 A. A. State Route 200 A. State 200 A. State 200 A. A. State 200 A. State 200 A. State 200 A. State 200 A. State 200 A. A. State 200 A. A. State 200 A. State 200 A. A. State 200 A. A. State 200 A. State 200 A. A. State 200 A. State 200 A. State 200 A. State 200 A. A. A. State 200 A. State 200 A. A. A. State 200 A. State 200 A. St	5501 N. State Route 2, Oak Harbor, OH 43449-9760		
S. a: Ropalrod pressure relief device: Safety VAIve b: Norro ef manufacturer Exame as Barn (above. b: Norro ef manufacturer Exame as Barn (above. c: Identifying nos. <u>37770A</u> <u>BS-CR255</u> <u>PMA</u> <u>Barne</u>) <u>Barne</u> (<u>)</u> <u>Barne</u>) <u>Barne</u> <u>Barne</u> <u>Barne</u>) <u>Barne</u> <u></u>	4. Name, address and identification of nuclear power plant Bavis-Besse Nuclear P		
Construction Code and the section of above. Similar Statement of the section of the sec			
c: Identifying not. <u>37770A</u> <u>BS-06255</u> <u>BAT. Bat. No.2</u> <u>Bate(a)</u> <u>IDENTIFY State Bar(ca)</u> <u>ALA</u> <u>Exc.</u> <u>Bate(a)</u> <u>IDENTIFY State Bar(ca)</u> <u>Bate(a)</u> <u>IDENTIFY State Bar(ca)</u> <u>IDENTIFY State Bar(ca) IDENTIFY State Bar(ca) IDENTIFY State Bar(ca) IDENTIFY State Bar(ca) <u>IDENTIFY State Bar(ca)</u> <u>ID</u></u>	5. a: Repaired pressure relief device: SateLy TALTE		
Opposite Data and the second seco	a Identificano ant 277704 BS-06255 B/A		
d: Construction Code ASME: Spection III 1968 00 minute 0000 minute 0000 minute 6: ASME: Code Section X0 septicable for in service inspection: 1985 No NA 7: ASME: Code Section X0 used for repairs, modifications, or replacements: 1985 No NA 8: Construction Code used for repairs, modifications, or replacements: 1966 No NA 9: Design responsibility Same as Item 1 Above 6cdimin 6cdimin (code Case(3)) 9: Design responsibility Same as Item 1 Above 6cdimin (code Case(3)) NA 10: Opening pressure: 1050 PSIG Blowdown (if epplicable) N/A %. Set pressure and blowdown adjustment made at: Hyle Laboratories, Humtsyllie, Alabama Using Steam 10: Description of work (include name and identifying number of replacement parts) Yalve was disassembled, Inspected, 11: Description of work (include name and identifying number of replacement parts) Yalve was disassembled, Inspected, 12: Remarks:		, , , ,	~
E. ASME Code Section XI septemble for in service inspection:	d Construction Code ASME Section III1968 AD	- <u>N/A</u> <u>(Code Canc(x))</u> (Code Ciste	e)
7. ASME Code Baction XI used for replace, modifications, or replacements: 1965 No. No. 8. Construction Code used for replace, modifications, or replacements: 1968 No. No. No. 9. Design responsibility Same as Item 1 Above fedication fedic	s ASNE Code Section XI applicable for in service inspection:	No H/A	
E. Construction Code used for repairs, modifications, or replacements: 1968 19 11 199 19		Nó <u>N/A</u>	
Construction Code used for replace, modifications, or replacements in the production of the pressure and blowdown adjustment (code of the pressure and blowdown adjustment at the repair, modification or replacement of the pressure relief devices described above conforms to Section XI at the AdME (code and the National Board Certificate of Authorization No. 120-124 to use the "VR" stamp expires 6-29-2001 National Board Certificate of Authorization No. 45, 47-61 to use the "VR" stamp expires 6-30-1999 Date 5-4-99 Same as Rem 1 above. Signed for the National Board of Boiler and Instruction No. 45, 47-61 to use the "NR" stamp expires 6-30-1999 Inspectors and certificate of competency issued by the intstiction issued by the National Board of Boiler and Pressure Vessel and explored and instruction code of the addiction issued by the National Board of Boiler and Pressure Vessel in the import of addiction or replacement issued by the intstiction issued by the National Board of Boiler and Pressure Vessel in the state that the the best of my knowledge and belief, this repair, modification or replacement is been completed in this report of addiction of the count of addiction or replacement issued by the intstiction or replacement is been completed in this report. Furthomy modification or replacement is been completed in this repo			50)
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11. Description of work: [include name and identifying number of replacement parts] Yalve was disassembled. 12. Remarks:	made at Wyle Laboratories, Huntsville, Alabama	front medium)	
12. Remarks: 12. Remarks: 14. CERTIFICATE OF INSPECTION 15. CERTIFICATE OF INSPECTION 16. Correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME 15. Correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME 16. Correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME 17. Correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME 18. Code and the National Board Inspection Code "V6" and "NR" TUE". 19. National Board Certificate of Authorization No. 120-124 to use the "NR" stamp expires 6-29-2001 National Board Certificate of Authorization No. 45. 47-61 to use the "NR" stamp expires 6-30-1999 Date 5-47-99 Same as Rem 1 above. Signed Inspectors and certificate of competency issued by the junisdiction of Locu 15 / Are A end and pressure Vessel 11. Spectors and certificate of competency issued by the junisdiction of Locu 15 / Are A end employed by Hartford Steam Bolier Inspection and Insurance Co. of Hartford, CT. have haspected the repair, modification or replacement described in this report on <u>full 199</u> . 14. Board Certificate, neither the undersigned nor my employer makes any waranty, expressed or impled, concern	Val	ve was disassembled,	
CERTIFICATE OF INSPECTION 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 ABME Code and the National Board Inspection Code "VF" and "NR" rules. National Board Certificate of Authorization No. 120-124	inspected, cleaned, assembled and tested.		
1.	12. Remarks:		
1.			
National Board Certificate of Authorization No. 120-124 to use the "NR" stamp expires 6-30-1999 National Board Certificate of Authorization No. 45, 47-61 to use the "NR" stamp expires 6-30-1999 Date 5-4-99 Same as Kern 1 above. (name of certificate holder) Signed Current Ruality Gravinger Inspectors and certificate of competency issued by the jurisdiction of CERTIFICATE OF INSPECTION and employed by Inspectors and certificate of competency issued by the jurisdiction of Locuts / Arv A and employed by Hartford Steam Boller Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement Hartford Steam Boller Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement VR* 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 modification. 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 modification or replacement described in this report. Furthermore, neither the undersigned nor my	certify that to the best of my knowledge and be	elief the statements made in this report bove conforms to Section XI of the Af	t are SME
National Board Certificate of Authorization No. 45, 47-61 to use the "NR" stamp expires 6-30-1999 Date 5-4-99 Same as Kern 1 above. mane of certificate holder) Signed	Code and the National Board Hisparian Conte 170, 95, 97-118,		
Date 5-4-99 Same as Kern 1 above. (name of certificate holder) Signed w. barren Buality English I. B.C. Does Across holders holding = valid commission issued by The National Board of Boiler and Pressure Vessel I. B.C. Does holding = valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the junisdiction of Locuts / Arw A and employed by Hartford Steam Boiler Inspection and insurance Co. of Hartford, CT have inspected the repair, modification or replacement Heattord Steam Boiler Inspection and insurance Co. of Hartford, CT have inspected the repair, modification or replacement Heattord Steam Boiler Inspection and insurance Co. of Hartford, CT have inspected the repair, modification or replacement Hastford Steam Boiler Inspection and insurance Co. of Hartford, CT have inspected the repair, modification or replacement Hastford Steam Boiler Inspection and insurance Co. of Hartford, CT have inspected the repair, modification or replacement Hastford Steam Boiler Inspection Code with Bection 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 shall be liable in any			
Date Garden effecte holder) (subharized representative) (subharized representative) I. BC. Dosher holding a valid commission issued by The National Board of Boiler and Pressure Vessel 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 Loc. (s / Arr A and employed by end employed by hartford Steam Boiler Inspection and Insurance Co. Inspectors and certificate of competency issued by the jurisdiction of described in this report on replacement has been completed if accordance with Bection 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 modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal light, property damage of tops of any kind arising from or connected with this inspection. Date 5/4/99 Signed	National Board Certificate of Authorization No. 45, 47-61 to use the "NR" sta	mp expires	
CERTIFICATE OF INSPECTION L BC. Dosher 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 hartford Steam Boiler Inspection and Insurance Co. of Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on <u>SIMI99</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 tops of any kind arising from or connected with this inspection. Date <u>SI4199</u> Signed		- Buality Engineer	
I, <u>BC. Dosher</u> , holding a valid commission issued by The National Board of Bouer and Pressure Vessel inspectors and certificate of competency issued by the jurisdiction of Louisian A and employed by Hartford Steam Bolier Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on <u>Claigge</u> and state that to the best of my knowledge and belief, this repair, modification or vertice 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 modification or connected with this inspection. Date <u>5/4/99</u> Signed <u>Board of an and state of any kind arising from or connected with this inspection</u> .	griama or certaicter minim;		
"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 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 tops of any kind arising from or connected with this inspection. Date 5/4/99 Signed Signed Control of the second statement of	i. <u>BC. Dosher</u> , holding a valid commission issued by The Na Inspectors and certificate of competency issued by the jurisdiction of Louis Arr A Hantford Steam Boller Inspection and Insurance Co. of Hartford, CT have inspected described in this report on <u>SIJ 199</u> and state that to the best of my knowled replacement has been completed in accordance with Section XI of the ASME Code and the	the repair, modification or replaceme dge and belief, this repair, modificatio National Board Inspection Code "VR"	nt an or and
Date 5/4/99 Signed States Commissions NB779 AV LAbby	"NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warranty, ex	pressed or implied, concerning the rep or my employer shall be liable in any	pair
	children and state Comm	isions <u>UB7779 AVU</u> (National Board (tool and or someway)	1669

Page 145

Owner Toledo	Edison Company		Date	4/30/00			
	dison Ave., Toledo, OH 4		s	heet 1 of 1			
	Besse Nuclear Power Stat		Jnit	#1			
	Neme . SR 2. Oak Harbor. OH 4			01365-000 & 99-0032			
	By Toledo Edison (Repair Organization P.O. N	io., Job No.,	etc.	
				ion N0 20			
<u> </u>	SR 2. Oak Harbor. OH 4	3449		on Date7-17-0			
			•				
. Identification of §	Systems <u>Main Steam</u>	System EBE	<u>3-1-SR4</u>	C-224 (Subsys	083-01)		
5. (a) Applicable C	Construction Code <u>ANS</u>	<u>B31.1</u> Edi	ition 19 <u>67</u>	Addendum <u>N</u> /	A	Code Case	VA
(b) Applicable 8	dition of Section XI Utilize	d for Repairs or Re	placements	s 1986			
• •	oonsibilities <u>Lisega</u> C						
(0) Doolgin 1.00							
	6. Identification of Comp	oonents Repaired o	r Replaced	and Replacement Co	ompone	nts	1
ame of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional No.	Year Built	Repaired Replaced or Replacement	AS Co Star
Load Pins	Toledo Edison Co	N/A	N/A	C-224	2000	Replacement	N
							<u> </u>
		· · · · · · · · · · · · · · · · · · ·					+
							+
		7. Descript	tion of Work	C and drawing	- C. 510	for enubliar C-274	
ledo Edison fabricated	two new load pins (1 support In snubber C-224 per work orde	end and 1 pipe and) pe or 69-003279-002. Pine	were replace	d due to vibration wear.	ių 6-610		
ad pins were atstaned						· · · · · · · · · · · · · · · · · · ·	
<u></u>							
	•		<u></u>				
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	• •		inal Operating Press			0)
Pressure Relie	of Valves:						
	Service_N/A	<u></u>					
	Opening Pressure			Blowdown (if applic		<u> </u>	
	Set Britsours and Blouds	wm Adjustments M	ade Usino	N/A			
	Set Pressure and Blowdo	Man Aujustinenia M		19	not Hudium)		

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	,	F	ORM NIS-2 /NR	-1 / NVII-1 -		
<u></u>			S. REMARKS		Applicable Manufacturers Data F	eports to be Attached
A						
			<u></u>			
			CERTIFICATE OF C	OMPLIANCE		
	at the statements r ode Section XI.		correct and this rep	placement	conforms to the r	ules of
Type Code 8	SymbolNR	Certificate of A	uthorization No	20 E)	privation Date7-17-01	•
2	IN SE		ear Safety & Inspection I	Manager Day	5/3/2000	
Signed		Owner or Owner's Desig	The		· <u>- / - / </u>	
I, the undersigned, State or Province (holding a valid com of <u>Ohio</u> an	mission issued by th	FICATE OF INSERVI e National Board of Bo tory Mutual Ins. Co. *	lier and Pressu	ION re Vessel Inspectors in the to, end state	-
that to the hest of a	ny knowledge and l	belief, the Owner has	Report during the perio performed examinatio juirements of the ASM	ns and taken o	orrective measures	1
eveningtions and	corrective measure	s described in the Ow	mer's Report. Furthern	nore. neither th	or implied, concerning the e inspector nor his employ	/er
shall be liable in an this inspection.	ny manner for any p	ersonal injury or prop	erty damage or a loss	of any kind aris	ing from or connected with	1
	A. P.	5/3/00	.17	anad	NIA OHO	COMM.
Thornos	-21 dage_	212100	Commissions		NIA OHIO Province and Endorsements	comm.
Inspector's Signature	U U					
ratief device descr	fbed above conform	ns to Section XI and 8	Section III of the ASME	dification, or rec	placement of the pressure National Board rules as	
relief device descr defined in publicat	ibed above conform ions NB-65 and NB	ns to Section XI and 8 -102, current editions	act and the repair, mod Section III of the ASME 3.	dification, or rep Code and the l	acement of the pressure	
relief device descr defined in publicat Certificate of Auth	ibed above conform ions NB-65 and NB corization No. <u>31</u> 0	ns to Section XI and I -102, current editions 6 to use the "	ect and the repair, mod Section III of the ASME S. VR" stamp expires	dification, or rep Code and the l	placement of the pressure National Board rules as	
relief device descr defined in publicat Certificate of Auth	tbed above conform ions NB-65 and NB ortzation No. <u>31</u> ortzation No. <u>20</u>	ns to Section XI and 8 -102, current editions 6 to use the " 0 to use the "	ect and the repair, moo Section III of the ASME S. VR" stamp expires NR" stamp expires	dification, or rep Code and the l	Vacement of the pressure National Board rules as , 2001 	
relief device descr defined in publicat Certificate of Auth	tbed above conform ions NB-65 and NB ortzation No. <u>31</u> ortzation No. <u>20</u>	ns to Section XI and 8 -102, current editions <u>6</u> to use the " <u>6</u> to use the " nedTeledo Edison	ect and the repair, mod Section III of the ASME S. VR" stamp expires NR" stamp expires	dification, or rep Code and the l Dec, 13 July 17	Vacement of the pressure National Board rules as , 2001. 	
relief device descr defined in publicat Certificate of Auth Certificate of Auth	tbed above conform ions NB-65 and NB ortzation No. <u>31</u> ortzation No. <u>20</u>	ns to Section XI and 8 -102, current editions 6 to use the " 0 to use the "	ect and the repair, moo Section III of the ASME S. VR" stamp expires NR" stamp expires	dification, or rep Code and the l Dec, 13 July 17	Vacement of the pressure National Board rules as , 2001 	
relief device descr defined in publicat Certificate of Auth Certificate of Auth Date	ibed above confom ions NB-65 and NB orization No. <u>31</u> orization No. <u>20</u> , 19, Sig	ns to Section XI and 6 -102, current editions <u>6</u> to use the " <u>0</u> to use the " nedTeledo Edison Repair Organization	ect and the repair, mod Section III of the ASME VR" stamp expires NR" stamp expires Authorized Repres CERTIFICATE OF I	dification, or rep Code and the Dec, 13 July 17 mentative	Vacement of the pressure National Board rules as , 2001. 	
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relief device descr defined in publicat Certificate of Auth Date	ibed above confom ions NB-65 and NB orization No31 orization No20 , 19, Sig holding a valid con etency issued by th have inspe	ns to Section XI and 4 -102, current editions <u>6</u> to use the " <u>0</u> to use the " ned <u>Toledo Edison</u> Repeir Organization mmission issued by the state or Province of rected the repair, modil	ect and the repair, mod Section III of the ASME 	dification, or rep Code and the l Dec, 13 July 17 Bentative INSPECTION wiler and Pressue Hoyed by <u>Fa</u> at described in t	National Board rules as 	
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relief device descr defined in publicat Certificate of Auth Date	ibed above confom ions NB-65 and NB orization No31 orization No20 , 19, Sign holding a valid con etency issued by th have inspe have inspe	Inspector nor his employed in this report	ect and the repair, mod Section III of the ASME S. VR" stamp expires	fification, or rep Code and the in Dec. 13 July 17 entative INSPECTION where and Pressure doyed by <u>Fa</u> and described in the this repair, mo the National Bo anty, expressed r the inspector r dnd arising from	Alicement of the pressure National Board rules as 	publication NB-65 an

	NIS-2 / NR-1 / -NVR-1 As Required	by the Provisions	of the ASM	E Code Section XI			
. Owner Toled	o Edison Company		Date	4/30/00			
	num adison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
	Besse Nuclear Power Stat		Init	#1			1
	Harne			01365-000 & 99-0033			
	SR 2. Oak Harbor, OH 4:			Densis Opposization D.O. I	ملية مليمة ما	-1-	
3. Work Performed	ByNorm	CompanyT	ype Code S	StampNB_			
5501	N. SR 2. Oak Harbor. OH 4	3449	Authorizat	ion NO20_			
			Expiratio	on Date7-17-0	1		
4. Identification of	Systems <u>Main Steam</u> :	System EBI	3-1-SR4	C-225 (Subsys	083-01)	
			ition 19 <u>67</u>			Code Case	V A
	Construction CodeANSI		_		D		
	Edition of Section XI Utilize			s 19 6 6			
(c) Design Res	ponsibilities <u>Lisega C</u>	o, Toledo Edison	C o.				
	6. Identification of Comp	onents Renaired o	r Replaced	and Replacement C	ompone	ents	
	8. Identification of Com						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 Stampe
Load Pins	Toledo Edison Co	N/A	N/A	C-225	2000	Replacement	No
			ļ				ļ
·····		<u></u>					
				1			
	<u> </u>	7. Descrip	lion of Work	<u> </u>	<u> </u>		
	two new load pins (1 support				ng C-610	for snubber C-225.	
Load pins were installed	in snubber C-225 per work orde	er 99-003339-002. Pine	were replaced	d due to vibration wear.			
		· · · · · · · · · · · · · · · · · · ·		<u> </u>			
	•						
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO) psi		inal Operating Press est Temperature	•	-)
Pressure Reli							
				Size <u>N/A</u>			
		N/A		Blowdown (if applic	able)	N/A	
	Opening Pressure						
	Opening Pressure Set Préssure and Blowdov		ade Using_	N/A (17	et Hedium (
		wn Adjustments Ma		(To			

			FORM NIS-2 /N	A-1 / HVH-1		
			9. REMARKS	5.	Applicable Manufacturers Data Reports to a	e Attached
NA						
······		· · · · · · · · · · · · · · · · · · ·				
We certify that to the ASME Code	he statements ma	de in the report an	CERTIFICATE OF a correct and this I	eplacement	conforms to the rules of	
Type Code Sym	bolNR	Certificate of /	Authorization No	E	Expiration Date	
					5/3/00	
Signed		Senar or Dunar's Deal	ear Safety & Inspectio gree, Title	Da	te <u>-/ (19</u> _	
					ION	
State or Province of	Ohio and	ission issued by the	tory Mutual Ins. Co.	Boiler and Press	ure Vessel Inspectors in the ston, R.I.	
have inspected the con that to the best of my k described in this Owne	mowledge and be	lief. the Owner has	s performed examina	tions and taken (to <u>5300</u> , and state corrective measures in XI.	
monther and com	ective measures o	lescribed in the Ov	vner's Report, Furthe	armore, neither t	t or implied, concerning the he inspector nor his employer sing from or connected with	
shall be liable in any fr this inspection.					a fra tra	
thank hf		5/3/00	Commissions	B9330	NIA OHIO	
nepector's Signature	ape	Date	Ne	ational Board, State	e, Province and Endorsements	
	-					
			CERTIFICATE OF	COMPLIANCI	· ····································	
relief device described defined in publications	d above conforms s NB-65 and NB-1	to Section XI and 02, current edition:	Section III of the ASN s.	odification, or re IE Code and the	placement of the pressure National Board rules as	
relief device described	d above conforms s NB-65 and NB-1	to Section XI and 02, current edition:	ect and the repair, m Section III of the ASM 3.	odification, or re IE Code and the	placement of the pressure National Board rules as	
relief device described defined in publications Ceritificate of Authoriz Certificate of Authoriz	d above conforms s NB-65 and NB-1 eation No. <u>316</u> ration No. <u>20</u>	to Section XI and i 02, current edition: to use the ' to use the '	ect and the repair, m Section III of the ASM s. 'VR" stamp expires 'NR" stamp expires	odification, or re AE Code and the Dec. 13	placement of the pressure National Board rules as , <u>2001</u> . 	
relief device described defined in publications Ceritficate of Authoriz	d above conforms s NB-65 and NB-1 eation No. <u>316</u> ration No. <u>20</u>	to Section XI and i 02, current editions to use the ' to use the ' dToledo Edison	ect and the repair, m Section III of the ASM s. 'VR" stamp expires	odification, or re IE Code and the Dec. 13 July 17	placement of the pressure National Board rules as , <u>2001</u> .	
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relief device described defined in publications Certificate of Authoriz Date, , the undersigned, hold	d above conforms s NB-65 and NB-1 ration No. <u>316</u> ration No. <u>20</u> 19 , Signe	to Section XI and i 02, current edition: to use the ' to use the ' d Toledo Edison Repar Organization	ect and the repair, m Section III of the ASM VR" stamp expires NR" stamp expires Authorized Rep CERTIFICATE OF se National Board of I	Dec. 13 July 17 INSPECTION Boiler and Press	placement of the pressure National Board rules as , 2001 Nuclear Safety & Inspection Manager Title	
relief device described defined in publications Certificate of Authoriz Date, the undersigned, hole certificate of competen	d above conforms s NB-65 and NB-1 cation No. <u>316</u> tation No. <u>20</u> 19, Signe ding a valid comm acy issued by the s	to Section XI and i 02, current edition: to use the ' to use the ' d Toledo Edison Repair Organization dission issued by the State or Province of	ect and the repair, m Section III of the ASM s. VR° stamp expires NR° stamp expires Authorized Rep CERTIFICATE OF the National Board of I ofOhlo and em	Dec. 13 July 17 INSPECTION Boller and Press proyed byF	placement of the pressure National Board rules as 	
relief device described defined in publications Certificate of Authoriz Date, the undersigned, hole certificate of competen	d above conforms s NB-65 and NB-1 cation No. <u>316</u> tation No. <u>20</u> 19, Signe ding a valid comm acy issued by the s	to Section XI and i 02, current edition: to use the ' to use the ' d Toledo Edison Repair Organization dission issued by the State or Province of	ect and the repair, m Section III of the ASM VR" stamp expires NR" stamp expires Authorized Rep CERTIFICATE OF se National Board of I	Dec. 13 July 17 INSPECTION Boller and Press proyed byF	placement of the pressure National Board rules as 	
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relief device described defined in publications Certificate of Authoriz Date, I, the undersigned, hole certificate of competen of Johnston, R.I. on, 19, constructed in accorda	d above conforms s NB-65 and NB-1 ration No316 ration No20 19, Signe ding a valid comm acy issued by the s have inspect and state the ince with Section 3	to Section XI and i 02, current edition: to use the ' to use the ' dto use the ' dto use the ' d d Reper Organization ussion issued by the State or Province of ed the repair, modi at to the best of my	ect and the repair, m Section III of the ASM s. 'VR' stamp expires 'NR' stamp expires Authorized Rep CERTIFICATE OF the National Board of I of Ohlo and em fication, or replacem	odification, or re dE Code and the 	placement of the pressure National Board rules as , 2001 Nuclear Safety & 	n made or tion NB-65 a
relief device described defined in publications Certificate of Authoriz Date	d above conforms s NB-65 and NB-1 ration No316 ration No20 19, Signe ding a valid comm acy issued by the s have inspects and state the ince with Section 3 ns. ato, neither the In: replacement desc	to Section XI and i 02, current edition: to use the ' to use the ' d to use the ' d to use the ' d Toledo Edison Repet Organization section issued by the State or Province of at to the best of my XI and Section III of spector nor his emp	ect and the repair, m Section III of the ASM s. VR" stamp expires Authorized Rep CERTIFICATE OF the National Board of I ofOhio and em fication, or replacem knowledge and belli t the ASME Code an ployer makes any was	odification, or re dE Code and the <u>Dec. 13</u> <u>July 17</u> resentative FINSPECTION Boller and Presse aptoyed by <u>Fi</u> ent described in ef, this repair, mu d the National Bo rranty, expresse er the inspector	placement of the pressure National Board rules as 	n made or ion NB-65 a
relief device described defined in publications Certificate of Authoriz Date	d above conforms s NB-65 and NB-1 ration No316 ration No20 19, Signe ding a valid comm acy issued by the s have inspect and state the ince with Section 2 ns. ate, neither the In: replacement desc or any personal in	to Section XI and i 02, current edition: to use the ' to use the ' d to use the ' d to use the ' d Toledo Edison Repet Organization section issued by the State or Province of at to the best of my XI and Section III of spector nor his emp	ect and the repair, m Section III of the ASM s. VR" stamp expires Authorized Rep CERTIFICATE OF the National Board of I of Ohio and em fication, or replacem knowledge and belin f the ASME Code and ployer makes any wa c. Furthermore, neith mage or a loss of any	odification, or re dE Code and the <u>Dec. 13</u> <u>July 17</u> resentative FINSPECTION Boller and Presse aptoyed by <u>Fi</u> ent described in ef, this repair, mu d the National Bo rranty, expresse er the inspector	placement of the pressure National Board rules as 	n made or ion NB-65 a
relief device described defined in publications Certificate of Authoriz Date	d above conforms s NB-65 and NB-1 ration No316 ration No20 19, Signe ding a valid comm acy issued by the s have inspect have inspect 	to Section XI and i 02, current edition: to use the ' to use the ' d to use the ' d to use the ' d Toledo Edison Repet Organization section issued by the State or Province of at to the best of my XI and Section III of spector nor his emp	ect and the repair, m Section III of the ASM s. VR" stamp expires Authorized Rep CERTIFICATE OF the National Board of I ofOhio and em fication, or replacem knowledge and belli t the ASME Code an ployer makes any was	odification, or re dE Code and the 	placement of the pressure National Board rules as 	n made or ion NB-65 a

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FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S RE	PORT FO	R REPAIRS OR E Code Section XI	REPL	ACEMENTS	
1. OwnerToled	o Edison Company		Date	5/17/00			
<u>300 M</u>	300 Madison Ave., Toledo, OH 43652			iheet 1 of <u>1</u>			
2. Plant Davis	Mann Besse Nuclear Power Stat	tion	Unit	#1			
	Nurro N. SR 2. Oak Harbor. OH 4:			WO 99-001791-001			
	By Toledo Edison C			Repair Organization P.O. I	No., Job No.		
	Name						
<u> </u>	N. SR 2. Oak Harbor. OH 4:	3449		tion N020_			
			•	on Date7-17-0			
4. Identification of	Systems <u>HPI Line 2-1</u>	Stop Check Valve	HP57	<u>(Subsys 052-01</u>)		
(b) Applicable I	Construction Code <u>ASM</u> Edition of Section XI Utilize ponsibilities <u>Velan Er</u>	d for Repairs or R	eplacements			Code Case	¥A
·							
	6. Identification of Comp	onents Repaired C	r replaced	and replacement Co		n R5	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 Stamp
Stop Check Valve	Velan Engineering Co.	Unknown	N/A	HP 57	UNK	Repaired	Yes
5/8"- 11 Hex Nut	Nova Machine Prod.	HT# 711930	N/A	HP 57	1998	Replacement	No
			 			· · · · · · · · · · · · · · · · · · ·	
						· · · · · · · · · · · · · · · · · · ·	+
						······································	
	nnet heavy hex nut due to wrong	7. Descript			eatlefact		
eplaced one body to bo	nnet neavy nex nut due to wrong	g material installed. Al				~J.	
	<u> </u>						
· · · · · · · · · · · · · · · · · ·							
. Tada Caadada	Hydrostatic (NO)	Provenstie (\$10)		inal Operating Press		ES) Other (Nf	
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>2270</u>	• •		est Temperature	•		-1
Pressure Relic							
	Service_ <u>N/A</u>	· · · · · · · · · · · · · · · · · · ·		SizeN/A			
	Opening Pressure	N/A		Blowdown (if applica	able) <u>·</u>	N/A	
	Set Pressure and Blowdow	vn Adjustments Ma	ade Using	<u>N/A</u>	ot Hadius)		

12 RFO Inservice Inspection Summary	
First Energy Nuclear Operating, 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: 11/27/77	

				FORM NIS-2 /NR			
				8. REMARKS		Applicable Manufacturers C	Data Reports to be Attached
Α				······································			
	. <u></u>			······································			······································
				CERTIFICATE OF C			
the ASME	Code Section 3	XI.		e correct and this rep		conforms to t	
Type Code	Symbol	NR_	Certificate of A	Authorization No	<u>20</u> Exp	ration Date7-17-	-
	Q.W.	The.		lear Safety & Inspection	Manager Data	5/18/00	
Signed	NUV	3,000	Owner a Owner's Des	ianee, Yille	Date		•
			OFDT	FICATE OF INSERV	CE INSPECTA	ON	· · · · · · · · · · · · · · · · · · ·
the undersioned	l, holding a val	id commis:	tion lesued by th	e National Board of Bo	iler and Pressure	Vessel Inspectors in	the
h h h h h h h h h h h h h h h h h h h		doecribod	in this Owners	Report during the perior performed examination			
nat to the best of described in this (owner's Repol	t in accord	ance with the re	quirements of the ASM	E Code, Section	XI.	
							the ·
				oloyer makes any warra wner's Report. Furthem			
shall be liable in t	iny manner for	any perso	nal injury or proj	perty damage or a loss	of any kind arisin	g from or connected	with
this inspection.							.4
there .	1 time		51900	Commissions <u>NB</u> National B	933Ø N	ITA COM	<u>н</u> .
Inspector's Signatur	·		Date	National	Board, State, Provin	ce and Endorsements	
			·	CERTIFICATE OF	COMPLIANCE		
<u>,</u> , <u></u> ,,,,,,,,,,						coment of the press	
We certify that t	ne statements i	made in thi	is report are con Section XI and	not and the mostir mor	lification, or repla	cement of the pressu	ire 3
We certify that ti relief device des defined in public	cribed above c	onforms to	Section XI and	rect and the repair, mod Section III of the ASME	lification, or repla	cement of the pressu ational Board rules as	ire 3
rellef device des defined in public	cribed above c ations NB-65 (onforms to and NB-102	Section XI and 2, current edition	rect and the repair, mod Section III of the ASME	dification, or repla Code and the Na		ire S
relief device des defined in public Ceritficate of Au	cribed above c ations NB-65 (thorization No.	onforms to and NB-102	2, current edition to use the	rect and the repair, moo Section III of the ASME Ns. "VR" stamp expires	fification, or repla Code and the N Dec. 13 July 17	, <u>20</u> 01 , <u>20</u> 01	ire 3
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Owner Toled	o Edison Company		Date	5/12/99		···	
	Name adison Ave., Toledo, OH 4		S	heet 1 of 1			
	Address		a a_ la				
2. Plant <u>Davis</u>	Besse Nuclear Power Stat	tion		#1			
	I. SR 2. Oak Harbor. OH 4		W <u>.O. 99-</u>	02640-000&99-0027 Repair Organization P.O. No.	. Job No., 1	۲ <u>ــــــــــــــــــــــــــــــــــــ</u>	
3. Work Performe	i ByToledo Edison C	Company	Type Code	Stamp NR	•		
	Nume N. SR 2. Oak Harbor, OH 4		Authoriz	ration N020			
	Address		Expira	ation Date7-17-0	1		
			•				
4. Identification of	Systems <u>RC-33 LOOP</u>	2-1 COLD LEG D	HAIN STOP	VALVE			
5. (a) Applicable	Construction Code _ASM	<u>em Cl1</u> Ed	lition 19 <u>72</u>	Addendum <u>W</u>	72	Code Case 1	335-
	Edition of Section XI Utiliz		Replaceme	nts 19 <u>86</u>			
			••••				
(c) Design Re	sponsibilities VELAN					<u></u>	
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement C	Compo	nents	
Hame of Component	Name of Manufacturer	'Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Co Stai
STUD 5/8" 11UNC	VELAN	NA	NA	NA	NA	REPLACED	N
6TUD 5/8" 11UNC	NOVA	NA	NA	HT#715200	NA	REPLACEMENT	N
NUT 5/8" UNC 6BH	UNK	NA	NA	NA	NA	REPLACED	N
NUT 5/8" UNC 8M	NOVA	NA	NA	HT#42642	NA	REPLACEMENT	N
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		<u> </u>				I	L
aniana dana bankan ba	dy to bonnet stud with a like-for	7. Descrip Hike 5A-564 ty 630 H1	tion of Worl	K DO. Replaced two wrong	body to	bonnet nuts, grade 65	iii wi
	ade 8m, Hi#42642. Performed a						
8. Tests Conducted	Hydrostatic (NO) Pressure <u>2128</u>) Non	ninal Operating Pres Test Temperature_)
Pressure Re	Service NA			Size <u>NA</u>		<u></u>	-
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	FORM NIS-2 /NR-1 / -NVR -1
<u>. </u>	REMARKS Applicable Manufacture to be Attached
Ά	
	CERTIFICATE OF COMPLIANCE
We certify that the statements mad the ASME Code Section XI.	de in the report are correct and this <u>replacement</u> conforms to the rules of
Type Code Symbol NR	Certificate of Authorization No. 20 Expiration Date 7-17-01
Signed 2/N.S. tarre	- Nuclear Safety & Inspection Manager Date 5/11 19 79 Object of Center's Devignee, Tile
State or Province of <u>Ohio</u> and err have inspected the components described	CERTIFICATE OF INSERVICE INSPECTION ission issued by the National Board of Boiler and Pressure Vessel Inspectors in the mployed by <u>Protection Mutual</u> of <u>Prote</u>
by signing this certificate, neither the insp examinations and corrective measures de that be liable in any manner for any person his inspection.	pector nor his employer makes any warranty, expressed or implied, concerning the escribed in the Owner's Report. Furthermore, neither the inspector nor his employer sonal injury or property damage or a loss of any kind arising from or connected with
Thomas & Lage	520/49 Commissions NB 9330 NJ A OHIO Date National Board, State, Province and Endorsements
We certify that the statements made in the	CERTIFICATE OF COMPLIANCE this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as
relief device described above conforms to defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u>	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 02, current editions. to use the "VR" stamp expires <u>Dec. 13</u> 2001 to use the "NR" stamp expires <u>July 17</u> ,2001
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	FORM N	IIS-2 / NR-1 / NVR-1 As Required	OWNER'S REI	PORT FO	R REPAIRS OR	REPL		
300 Madison Ava. Totedo. OH 43552 Sheet 1 of 1 2. Plant Dayle-Bess Muclear Power Station Unit #1	Owner Toledo	Edison Company		Date	5/13/99			
2. Plant		Blane		S	heet 1 of <u>1</u>			
		Address		Unit	#1			
BOULTS OF LS OF AND Base Organization FO. No., Job Way, etc. 3. Work Performed ByToledo Edison Company		Nort e			V.O. 99-002705-000			
3. Work Performed by		Address			Repair Organization P.O. No.		Ac.	
Expiration Date Code Case 1 (b) Applicable Construction Code _ASME III CL1 Edition 19 Z2 Addendum WZ2 Code Case 1 (b) Applicable Edition of Section XI Utilized for Replacements 19BG (c) Design Responsibilities Expiration of Replaced and Replacement Components Exam of Components Repaired or Replaced and Replacement Components Exam of Components Repaired are Not Edit Row of Kanufacturer National Edit Row Other Expiration Date Expiration Date Expiration Date Code Case 1 (c) Design Responsibilities (c) Design Responsibilities (c) Design Responsibilities (c) Design Responsibilities Expiration of Components Repaired or Replaced and Replacement Components Expiration Date		Name	÷ <u> </u>	••				
4. Identification of SystemsRC-38 LOOP 1-1 COLD LEG DRAIN ISOLATION VALVE 5. (a) Applicable Construction Code _ASME III CL1 Edition 19 72 Addendum W72 Code Case 1 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 196. E6 (c) Design Responsibilities VELAN	<u>5501 N</u> .	<u>, SR 2, Oak Harbor, OH 4:</u>	3449					
5. (a) Applicable Construction Code _ASME III CL1 Edition 19 Z2 Addendum WZ2 Code Case 1 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19				•				
b. (a) Applicable Constitution Code <u>Application (Code Application (Cod</u>	Identification of	Systems <u>RC-38 LOOP</u>	1-1 COLD LEG DI	RAIN ISOLA				
(b) Applicable Edition of Section XI Utilized for Replace or Replacements 19	. (a) Applicable (Construction Code <u>ASMI</u>	EIII CL1 Edi	ition 19 <u>7</u> 2	Addendum <u>W</u>	72	Code Case 1	<u>335-6</u>
(c) Design Responsibilities	• • • • •			Replaceme	ents 19 <u>86</u>			
6. Identification of Components Repaired or Replaced and Replacement Components Mane of Component Manufacturer Manufacturer's area Mational Tother			·					
Name of Manufacturer Manufacturer's Serial NO. Mational Description of the part of the pa								
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E/8" 11UNC HASKELL NA REPLACEMENT E/8" 11UNC NOVA NA REPLACEMENT E/8" 11UNC NOVA NA NA<	me of Component	Name of Manufacturer			Identification/	Year Built	Repaired Replaced or Replacement	ASNE Code Stamped
5/8° 11UNC NOVA NA NA NA NA NA NA REPLACEMENT 6/8° 11UNC NOVA NA NA NA NA NA NA REPLACEMENT 6/8° 11UNC NOVA NA NA NA NA NA NA REPLACEMENT 6/8° 11UNC Nova Na Na Na Na Na Na Na ReplaceMents 7. Description of Work Image: State of the yoke. Replaced one body to bonnet nut \$A-194 Grade \$M with a like-for-like nut. Reassembled valve and performed a VT-2 at completion. Image: State of the yoke. Replaced one body to bonnet nut \$A-194 Grade \$M with a like-for-like nut. Reassembled valve and performed a VT-2 at completion. 8. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (YES) Other (Nother Nother Nothe	5/8" 11UNC	HASKELL	NA	NA	NA	NA	REPLACED	NA
Disassembled RC-38 to replaced the yoke. Replaced one body to bonnet nut \$A-194 Grade 6M with a like-for-like nut. Reassembled valve and performed a VT-2 at completion. 8. Tests Conducted: Hydrostatic (NO) Pressure 2128 psi Test Temperature 536 °F Pressure Relief Valves: Size Service NA Blowdown (if applicable) NA		AVON	NA	NA	NA	NA	REPLACEMENT	NA
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NOTT: Supplemental sheets in the form of lists, sketches, or drawings may be used, provided (1) size is 8% x 11 Information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the of sheets is recorded at the top of this form.				or drawings on each sh	may be used, provid eet, and (3) each sh	led (1) weet 1s	size is 8% x 11 numbered and the	in. (2) number

	8. REMARKS Applicable Manufacturers Data Reports to be Atlacted
/A	
<u> </u>	
VA CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this grantment conformis to the nules of the ASME Code Section X. Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7.17-01 Signed We certify that the statements made in the report are correct and this grant and the statements Date 7.17-01 Signed W. Statements Nuclear statery 4 inspection Manager Date 5/17 19.79 CertificAte of Mide a will commension leads to four and the statement on the statement on the state of the the statement on the state of the statement on the statement of the ASME Code, Section XI. Ye spring this controlicate, neither the Inspector on the statement of the ASME Code, Section XI. Ye state the statements made in the statement on the statement on the statement, statement on and controlicate on the statement o	
We certify that the stat the ASME Code Secti	ements made in the report are correct and this <u>replacement</u> conforms to the rules of on XI.
Signed	Ourser of Ourser's Designee, Tille
State or Province ofO have inspected the compone that to the best of my knowled	valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the <u>nio</u> and employed by <u>Protection Mutual</u> of <u>Park Ridge, Illinois</u> the described in this Owner's Report during the period <u>5/449</u> to <u>5/18/99</u> , and state into and belief, the Owner has performed examinations and taken corrective rheasures
examinations and corrective shall be liable in any manner this inspection.	neasures described in the Owner's Report. Furthermore, neither the inspector nor his employer for any personal injury or property damage or a loss of any kind arising from or connected with
	Date National Board, State, Province and Endorsements
We certify that the statemen	remede in this report are correct and the renair, modification, or replacement of the pressure
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relief device described abov defined in publications NB-6 Certificate of Authorization N Date, 19 I, the undersigned, holding a certificate of competency iss of <u>Park Ridge, Illinois</u> h	Is made in this report are correct and the repair, modification, or replacement of the pressure conforms to Section XI and Section III of the ASME Code and the National Board rules as 5 and NB-102, current editions. o. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , <u>2001</u> io. <u>20</u> to use the "NR" stamp expires <u>July 17</u> , <u>2001</u> Nuclear Safety & <u>Signed Toledo Edison</u> <u>Repair Organization</u> <u>Authotzed Representative</u> <u>The</u> <u>CERTIFICATE OF INSPECTION</u> valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and ned by the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> the Inspected the repair, modification, or replacement described in this report
relief device described abov defined in publications NB-6 Certificate of Authorization N Date, 19 I, the undersigned, holding a certificate of competency iss of <u>Park Ridge, Illinois</u> h	is made in this report are correct and the repair, modification, or replacement of the pressure o conforms to Section XI and Section III of the ASME Code and the National Board rules as 5 and NB-102, current editions. o
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relief device described abov defined in publications NB-6 Certificate of Authorization I Date, 19 I, the undersigned, holding a certificate of competency iss of <u>Park Ridge, Illinois</u> h on, 19 on, 19 constructed in accordance w NB-102, current editions. By signing this certificate, no repair, modification or replay liable in any manner for any	is made in this report are correct and the repair, modification, or replacement of the pressure openions to Section XI and Section III of the ASME Code and the National Board rules as 5 and NB-102, current editions. o

FORM N	IS-2 / NR-1 / -NVR-1- As Required I	DWNER'S REP by the Provisions	of the ASM	E Code Section XI			
I. Owner <u>Toledo</u>	Edison Company		Date	06/06/2000	l		
	dison Ave., Toledo, OH 43	3652	Sh	eet 1 of 1			
	Address		Unit	#1		<u></u>	
	Name Nuclear Power Stat			0 # 99-002965-000			
<u> </u>	SR 2, Oak Harbor, OH 43			Repair Organization P.O. No.,			
3. Work Performed	By Toledo Edison C	ompany	•••	Stamp <u>NR</u>			
<u>5501 N</u>	SR 2. Oak Harbor, OH 43	449	Authoriz	ation N020			
	Address		Expire	tion Date	I	<u></u>	·
4 Identification of	Systems <u>Reactor Cool</u>	ant / RC 262 Press	urizer Spra	y Valve Bypass (SU	B064-)4)	
			tion 19 72			Code Case 1	<u>335-6</u>
• •	Construction Code <u>ASME</u>						
	Edition of Section XI Utiliz						
(c) Design Res	ponsibilities <u>Nova Ma</u>	chine Products C	orp. / Toled	e Edison Company			
	6. Identification of Compo					nents	·
<u> </u>	6. Identification of Compo	onents Hepaireu C	A Replaced				
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
Stud	Nova	HT # 715200	NA	NA	NA	Replacement	NA
							<u> </u>
					<u> </u>	<u></u>	<u> </u>
		· · · · · · · · · · · · · · · · · · ·	ļ		╂───		
		7. Descrip	tion of Worl	<u> </u>	<u> </u>	1	<u> </u>
Removed one (1) existing	stud and replaced with new Hi	te for like replacement					
Stud, 5/8" - 11 UNC 2A X	3" Continous Thread, Thread to	Thread, ASME 6A-56	4, P.O. # 7008	181, ASME II, NB Class 1	, 86 Ed.	No ADD.	
After Installation, a VT-2	Inservice Test was performed a	atisfacrorily.					

					<u></u>		
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>2158</u>	Pneumatic (NO) psi	Non	ninal Operating Pres Test Temperature_			0)
Pressure Rel				Size <u>NA</u>			
	+ · · · · · · · · · · · · · · · · · · ·					e)NA	
	Opening Pressure						-
	Set Pressure and Blowd	own Adjustments	Made Using	gNA	Post Hodies		
	at <u>NA</u>			Lesstin	ded (2)	aite is 8% y 11	in. (2)
	al sheets in the form of ems 1 through 6 on this s rded at the top of this f		or arawings	eat, and (3) each a	heet 1	numbered and the	number

			F	ORM NIS-2 /NF	(-1 / -PLV M-1 -		
				8. REMARKS		Applicable Manufacturers Date	Asports to be Allached
VA							
						····-	
				<u></u>			
				CERTIFICATE OF	COMPLIANCE	<u></u>	
the ASN	ify that the stater /E Code Section de Symbol	n XI.	e in the report are	correct and this requirements of the second	pair	conforms to the	rules of
Signed_	<u>IN.5</u>	horn	Nucle	ear Safety & Inspection	Manager Date	6/14/00 10-	
State or Provin have inspected	ice of <u>Ohi</u> I the component t of my knowledge	<u>io</u> and em ts described	sion issued by the ployed by Fac I in this Owner's F 1, the Owner has I	FICATE OF INSERU e National Board of Bo ctory Mutuel Ins. Co. Report during the perk performed examinatio rulrements of the ASM	bler and Pressure bf Johns d J24/00 to ns and taken corr	Vessel Inspectors in the ton, R.I./ <u>6//S/00</u> , and state ective measures	9
examinations a shall be lable i	ind corrective m In any manner fo	easures des or any perso	scribed in the Ow nal injury or prop	ner's Report. Furthen enty damage or a loss	of any kind arisin	r Implied, concerning the inspector nor his employ g from or connected with	yer 1
this inspection.	· vla		lich	Commissions National	B 4330	NIA	
hspectore Signa	s 20 0 martin	•	01500	Commissions	Roant State, Provin	and Endorsements	COMMUL.
				CERTIFICATE OF	COMPLIANCE		· · · · · · · · · · · · · · · · · · ·
mailef device d	lescribed above (conforms to	is report are corre Section XI and S 2, current editions	Section III of the ASME	dification, or repla E Code and the Na	cement of the pressure tional Board rules as	
Certificate of /	Authorization No). <u>316</u>	to use the "	VRª stamp expires	Dec. 13	2001	
Certificate of /	Authorization NC	. 20	to use the "		July 17		
				NR" stamp expires	July 17		
			to use the " to use the " Toledo Edison Repetr Organization	NR ^e stamp expires	July 17		
			Tolodo Edison	NR" stamp expires	July 17		
			Tolodo Edison	NR" stamp expires	July 17		
Date	, 19	, Signed_	Teledo Edison Repetr Orgentza fon	Autorized Represent	July 17		
Date	, 19	, Signed_	Toledo Edison Reper Orgentzation	Autorized Represent Autorized Represent CERTIFICATE OF the National Board of B	July 17	, _2001 Nuclear Safety & nepection Manager Tite Vessel Inspectors, and	
Date	, 19	, Signed_	Toledo Edison Reper Orgentzation	Autorized Represent Autorized Represent CERTIFICATE OF the National Board of B	July 17	, _2001 Nuclear Safety & nepection Manager Tite Vessel Inspectors, and	
Date I, the undersign certificate of co	ned, holding a vo	, Signed_ relid commis ed by the St	Toledo Edison Reper Organization Ission lesued by th ate or Province of	Autorized Represent	July 17	, 2001 luclear Safety & nspection Manager TH+ Vessel Inspectors, and Mutual Ins. Co.*	
Date	ined, holding a vio	Signed_ raiid commis ed by the St ve inspected	Toledo Edison Reper Orgenzation	Autorited Represent Autorited Represent CERTIFICATE OF the National Board of B f end emp fication, or replaceme	July 17		has been made or
Date		Signed_ raiid commis ed by the St ve inspected	Toledo Edison Reper Orgenzation	Autorited Represent Autorited Represent CERTIFICATE OF the National Board of B f end emp fication, or replaceme	July 17	, 2001 luclear Safety & nspection Manager TH+ Vessel Inspectors, and Mutual Ins. Co.*	has been made or
Date I, the undersign certificate of or of Johnston, R.I. on constructed in NB-102, curre By signing this master modifie		Signed_ valid commis ed by the St ve Inspected ad state that h Section XI ther the Insp ament descri	Teledo Edison Repetrongentration ession lesued by the ate or Province of if the repair, modified to the best of my and Section III of prector nor his emp fixed in this report	NR ⁴ stamp expires	July 17		has been made or e publication NB-65 e
Date I, the undersign certificate of co of Johnston, R.I on constructed in NB-102, curre By signing this repair, modified table in any n		Signed_ valid commis ed by the St ve Inspected ad state that h Section XI ther the Insp ament descri	Teledo Edison Repetrongentration ession lesued by the ate or Province of if the repair, modified to the best of my and Section III of prector nor his emp fixed in this report	Autorized Represent Autorized Represent CERTIFICATE OF the National Board of B of <u>Ohio</u> and emp fication, or replaceme in chowledge and belief of the ASME Code and ployer makes any wait. Furthermore, neither mage or a loss of any	July 17		has been made or e publication NB-65 a
Date I, the undersign certificate of co of Johnston, R.I. on constructed in NB-102, curre By signing this repair, modific table in any n this inspection		Signed_ valid commis ed by the St ve Inspected ad state that h Section XI ther the Insp ament descri	Teledo Edison Repetrongentration ession lesued by the ate or Province of if the repair, modified to the best of my and Section III of prector nor his emp fixed in this report	NR ⁴ stamp expires	July 17		has been made or e publication NB-65 a ne
Date I, the undersign certificate of co of <u>Johnston, R.I</u> on constructed in NB-102, curre By signing this repair, modific (able in any in this inspection	, 19 ompetency issue ihav 	Signed_ valid commis ed by the St ve Inspected ad state that h Section XI ther the Insp ament descri	Teledo Edison Repet Orgentzaton Ission lesued by th ate or Province of if the repair, modif to the best of my l and Section III o pector nor his em ibed in this report my or property day	NR ⁴ stamp expires	July 17		has been made or e publication NB-65 e ne

. Owner Toledo	Edison Company		Date	4/27/00			
	iume Idison Ave., Toledo, OH 4		S	heet 1 of 1			
	Address Besse Nuclear Power Stat		Jnit	# 1			
	Name I. SR 2. Oak Harbor, OH 4	······································		WO 99-003278-000			
	By		-	Repair Organization P.O. N tampNR			•
			•••	ion N020			
<u>5501 N</u>	I. SR 2. Oak Harbor. OH 4 Addres	3449					
			•	on Date <u>7-17-0</u>			
4. Identification of a	Systems <u>Main Steam</u> t	System EBB-1-S	<u>R-4 C-16</u>	9 (Subsys 083-01)		-
5. (a) Applicable (Construction CodeANSI	<u>B31.1</u> Ed	ition 19 <u>67</u>	Addendum <u>N</u>	Ά	Code Case <u>N</u>	/A
(b) Applicable I	Edition of Section XI Utilize	d for Repairs or Re	placements	5 19 <u>86</u>			
• •	ponsibilities <u>Lisega</u>						
(0) 200.3							
	6. Identification of Com	oonents Repaired C	r Heplaced	and Heplacement C	ompone	nis	<u> </u>
Name of (sponent	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASME Code Stampe
Snober	Lisega	61252/40	N/A	C-169	N/A	Replaced	No
Snibber	Lisega	61233/40	N/A	C-16 9	N/A	Replacement	No
				<u> </u>			
							+
		7. Descrip	tion of Work	(
	r S/N 61252/40 was removed an		lor like Lisega	snubber 8/N 61233/40			
Snubber was functionally	y tested satisfactory prior to ins	tallation.	<u>.</u>			<u> </u>	
		,,, _,, _		<u></u>		·····	
		····					
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>			ninal Operating Press Test Temperature		0) Other (N •F)
Pressure Rell		•.		Size N/A		····	
	Service_N/A			Biowdown (If applic			
	Opening Pressure Set Pressure and Blowdo		ade Lieina	NIA			
		wa nujusinienis M			est Hedius)		
1	at N/A						

FORM NIS-2 /NR-1 / NVR-1
9. REMARKS Applicable Manufacturers Data Reports to be Attached
ιλ
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01
Signed A. Stam J Nuclear Safety & Inspection Manager Date 4/30/2000
Owner or Owner's Designes, Title
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors in the State or Province ofOhio and employed byFactory Mutual Ins. Co. * ofJohnston, R.I. have inspected the components described in this Owner's Report during the period <u>123719</u> to <u>473700</u> , and state
have inspected the components described in this owner is report during the point and taken corrective measures that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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
By signing this contactive measures described in the Owner's 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.
A-SD-W Inspector's Skinature Date Commissions <u>N/59801 N T A-0780</u> National Board, State, Province and Endorsements
Inspector Signature Date National Board, State, Province and Endorsements
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure
relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions.
Certificate of Authorization No. 316 to use the "VR" stamp expires Dec. 13, 2001.
Certificate of Authorization No. 20 to use the "NR" stamp expires July 17 . 2001. Nuclear Safety &
Date, 19, Signed Teledo Edison Inspection Manager
Repair Organization Authorized Representative Title
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and
certificate of competency issued by the State or Province ofOhio and employed byFactory Mutual Ins. Co.*
of Johnston, R.I have inspected the repair, modification, or replacement described in this report
on, 19 and state that to the best of my knowledge and bellef, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 and NB-102, current editions.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be table in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions
Authorized inspector's Signature Date National Board, State, Province and Endorsements
* Factory Mutual Ins. Co

Owner Toledo	Edison Company			5/2/00			
300 Ma	dison Ave., Toledo, OH 4	3652		eet 1 of <u>1</u>			
	Besse Nuclear Power Stat		Unit				
	SR 2. Oak Harbor. OH 4		<u>M</u>	O 99-003279-000 Repair Organization P.O. No.,	Job No., et	<u>.</u>	
Mode Dodormod	By Toledo Edison C	ompany	Type Code	StampNR			
	SR 2. Oak Harbor, OH 4		Authoriz	ation N020			
<u>_</u>	Address		Expira	tion Date7-17-01	L		
	Systems <u>MAIN STEAN</u>	A SYSTEM EBB-1	•				
						Code Case N	Ά
5. (a) Applicable	Construction Code _ANS		tion 19 <u>67</u>		4		***
(b) Applicable	Edition of Section XI Utili	zed for Repairs or	Replaceme	nts 19 <u>86</u>			
	sponsibilities <u>LISEGA</u>						
			Destaurd	and Penlesement (Compo		
	6. Identification of Comp	onents Repaired o	r Heplaced	and neplacement C			
fame of Component	Name of Manufacturer	Manufacturer's Serial NO	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Co Stai
	LISEGA	61233/38	N/A	C-224	Unk		N
Snubber Snubber	LISEGA	99614610/22	N/A	C-224	Unk	Replacement	N
						<u> </u>	
					<u> </u>		
			_		}──		
		T Decerin	tion of Work	k	<u>1</u> .		
tease bydraulic snubb	er S/N61233/38 was removed ar	rd replaced with a like-	for-like snubb	er S/N99614610/22.			
lepiscement snubber w	as functionally tested satisfact	ory prior to Installation	L.				
		<u> </u>	<u> </u>				
	•						
	: Hydrostatic (NO)) Nor	ninal Operating Pres Test Temperature			0)
8. Tests Conducted		Psi					
8. Tests Conducted Pressure Re	Pressure <u>N/A</u> llef Valves:						
	Pressure <u>N/A</u> lief Valves: Service <u>N/A</u>			SizeN/A			-
	Pressure <u>N/A</u> lief Valves: Service <u>N/A</u> Opening Pressure	N/A		Blowdown (if ap	plicab	le)N/A	-
	Pressure <u>N/A</u> lief Valves: Service <u>N/A</u>	N/A		Blowdown (if ap	plicab		-

	FORM NIS-2 /NR-1 / NVR-1 .
	REMARKS Applicable Manufacturers Data Reports to be Atlached
A	
······································	
	CERTIFICATE OF COMPLIANCE
We certify that the state the ASME Code Section	
Type Code Symbol	NR Certificate of Authorization No20 Expiration Date7-17-01
sinned St.W.S	
Signed	Date 19
I, the undersigned, holding a	CERTIFICATE OF INSERVICE INSPECTION valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the hio_and employed by
Level Level and the company	nte described in this Owner's Report during the benog 7 2577 10
the she the heat of my from lot	dge and bellef, the Owner has performed examinations and taken corrective measures port in accordance with the requirements of the ASME Code, Section XI.
	ither the inspector nor his employer makes any warranty, expressed or implied, concerning the
والمسمور المسج وسراف بالأر	mean was described in the Owner's Report - Furthermore, neither the inspector nor his employer
shall be lable in any manner	for any personal injury or property damage or a loss of any kind artsing from or connected with
this inspection.	se a se alla
Cooker .	<u>Date</u> Commissions <u>N/S 9801</u> <u>N E H Chie</u> National Board, State, Province and Endorsements
inspector e Signature	Date National Board, State, Province and Endorsements CERTIRCATE OF COMPLIANCE
We certify that the statement	CERTIFICATE OF COMPLIANCE Its made in this report are correct and the repair, modification, or replacement of the pressure a conforms to Section XI and Section III of the ASME Code and the National Board rules as
We certify that the statement relief device described above defined in publications NB-6	CERTIFICATE OF COMPLIANCE Its made in this report are correct and the repair, modification, or replacement of the pressure is conforms to Section XI and Section III of the ASME Code and the National Board rules as is and NB-102, current editions.
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We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N	CERTIFICATE OF COMPLIANCE Its made in this report are correct and the repair, modification, or replacement of the pressure the conforms to Section XI and Section III of the ASME Code and the National Board rules as 15 and NB-102, current editions. No to use the "VR" stamp expires Dec. 13,2001 No to use the "NR" stamp expires July 17,2001 Nuclear Safety 6.
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We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Certificate of Authorization N Date, 19 I, the undersigned, holding a	CERTIFICATE OF COMPLIANCE Atta made in this report are correct and the repair, modification, or replacement of the pressure is conforms to Section XI and Section III of the ASME Code and the National Board rules as its and NB-102, current editions. No
We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Certificate of Authorization N Date, 19 I, the undersigned, holding a	CERTIFICATE OF COMPLIANCE Atta made in this report are correct and the repair, modification, or replacement of the pressure is conforms to Section XI and Section III of the ASME Code and the National Board rules as its and NB-102, current editions. No
We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Certificate of Authorization N Date, 19 I, the undersigned, holding a certificate of competency issue	CERTIFICATE OF COMPLIANCE Atta made in this report are correct and the repair, modification, or replacement of the pressure are conforms to Section XI and Section III of the ASME Code and the National Board rules as 155 and NB-102, current editions. No
We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Certificate of Authorization N Date 19 I, the undersigned, holding a certificate of competency issue of Johnston, R.I he	CERTIFICATE OF COMPLIANCE Intermediation of the pressure correct and the repair, modification, or replacement of the pressure is conforms to Section XI and Section III of the ASME Code and the National Board rules as is and NB-102, current editions. No316
We certify that the statement relief device described above defined in publications NE-6 Certificate of Authorization N Date, 19 I, the undersigned, holding a certificate of competency issue of Johnston, R.Ih	CERTIFICATE OF COMPLIANCE Intermediation of the pressure and the repair, modification, or replacement of the pressure action state correct and the repair, modification, or replacement of the pressure actions to Section XI and Section III of the ASME Code and the National Board rules as its and NB-102, current editions. No
We certify that the statement relief device described above defined in publications NE-6 Certificate of Authorization N Date, 19 I, the undersigned, holding a certificate of competency issue of Johnston, R.Ih	CERTIFICATE OF COMPLIANCE Intermediation of the pressure correct and the repair, modification, or replacement of the pressure is conforms to Section XI and Section III of the ASME Code and the National Board rules as is and NB-102, current editions. No316
We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Certificate of Authorization N Date	CERTIFICATE OF COMPLIANCE Intermediation of the pressure and the repair, modification, or replacement of the pressure action state correct and the repair, modification, or replacement of the pressure actions to Section XI and Section III of the ASME Code and the National Board rules as its and NB-102, current editions. No
We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Certificate of Authorization N Date	CERTIFICATE OF COMPLIANCE Atter and the repair, modification, or replacement of the pressure e conforms to Section XI and Section III of the ASME Code and the National Board rules as S5 and NB-102, current editions. No.
We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Date, 19 I, the undersigned, holding a certificate of competency issu of <u>Johnston, R.I</u> he on, 19 on structed in accordance wi NB-102, current editions. By signing this certificate, ne repair, modification or replace table in any manner for any	CERTIFICATE OF COMPLIANCE Its made in this report are correct and the repair, modification, or replacement of the pressure is conforms to Section XI and Section III of the ASME Code and the National Board rules as is 5 and NB-102, current editions. No316
We certify that the statement relief device described above defined in publications NB-6 Certificate of Authorization N Date, 19 I, the undersigned, holding a certificate of competency issu of <u>Johnston, R.I</u> he on, 19 on structed in accordance wi NB-102, current editions. By signing this certificate, ne repair, modification or replace table in any manner for any	CERTIFICATE OF COMPLIANCE Its made in this report are correct and the repair, modification, or replacement of the pressure is conforms to Section XI and Section III of the ASME Code and the National Board rules as is and NB-102, current editions. No316

1. Sec None Operating Plane 1. Work Performed By					E Code Section XI				
	Owner <u>Toled</u>	Edison Company	-	Date	5/22/00				
2. Plant	300 Ma	adison Ave., Toledo, OH 4	3552	S	heet 1 of <u>1</u>				
		Address		Unit	#1				
Looping and the second se		Name		,	WO 99-003333-000				
		A 44-00		-	Repair Organization P.O. Ne.		tc.		
Expiration Date	3. Work Performed	ByToledo Edison C	Jompany						
Expiration Date	<u>5501 N</u>	I. SR 2. Oak Harbor, OH 4	3449	Authoria	zation N020				
5. (a) Applicable Construction Code _ASMETICL2 Edition 19 52 Addendum W252 Code Case N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19				Expin	ation Date7-17-0	1			
5. (a) Applicable Construction Code _ASM_ENICL2 Edition 19 52 Addendum W152 Code Case N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19	A Identification of	Systems Main Steam I	Line #2 <u>Code</u> Safe	ty Valves					
5. (a) Applicable Construction Code ASMELINELS Cuttors to EX Interview in the EX (b) Applicable Edition of Section XI Utilized for Replacements 19					فقف مصريات برايران ف	100	Code Coos N	18	
(c) Design Responsibilities	5. (a) Applicable	Construction Code <u>ASM</u>	E lli CL2 Edi	ition 19 <u>68</u>		00	Loue Case N	A	
(c) Design Responsibilities	(b) Applicable	Edition of Section XI Utiliz	zed for Repairs or	Replaceme	ints 19 <u>86</u>				
6. Identification of Components Repaired or Replaced and Replacement Components Read BO: Section of Components Repaired Replaced Ass Section Robinson R									
Same of Component Name of Hanufactures: Namufactures: National Social SO. Other: Jentification/ Jurisdictional NO. Test Replaced Association of Replacement Stam SP17A5 Dresser Valve BM-08636 n/a n/a 1972 Replaced Ye SP17A5 Dresser Valve BM-08636 n/a n/a 1977 Replaced Ye SP17A5 Dresser Valve BM-08636 n/a n/a 1977 Replaced Ye SP17A7 Dresser Valve BM-08631 n/a n/a 1977 Replacement Ye SP17A7 Dresser Valve BM-08631 n/a n/a 1971 Replacement Ye SP17A9 Dresser Valve BM-08632 n/a n/a 1971 Replacement Ye SP17A9 Dresser Valve BM-08632 n/a n/a 1971 Replacement Ye ACMAV- 7. Description of Work n/a n/a 1971 Replacement Ye ACMAV- 7. Description of Work n/a n/a 1971 Replaced Ye									
Base of Component Base of Manufacturer		6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	Compo	nents		
Base of Component Hase of Manufacturer									
SP17A5 Dresser Valve BM-08036 IVa IVa <thiva< th=""> IVa</thiva<>	Name of Component	Name of Manufacturer			Identification/			Cod	
SP17A5 Dresser Valve BM-08043 IVa IVa <thiva< th=""> IVa</thiva<>	SP17A5	Dresser Valve	BM-08636	n/a	n/a	1972	Replaced	Ye	
SP17A7 Dresser Valve BM-08041 riva riva <thriva< th=""> r</thriva<>		Dresser Valve	BM-08048	n/a	n/a	1971		Ye	
SP17A7 Dresser Valve BM-08052 IVa Iva <thi iva<="" th=""> I</thi>	SP17A7	Dresser Valve	BM-08641	n/a	n/a		· · · ·		
SP17A9 Dresser Valve BM-08043 r/a r/a <th <="" r="" td=""><td>SP17A7</td><td>Dresser Valve</td><td>BM-08052 ·</td><td>n/a</td><td>n/a</td><td></td><td></td><td></td></th>	<td>SP17A7</td> <td>Dresser Valve</td> <td>BM-08052 ·</td> <td>n/a</td> <td>n/a</td> <td></td> <td></td> <td></td>	SP17A7	Dresser Valve	BM-08052 ·	n/a	n/a			
SP17A9 Dresser Valve BM-08049 nrat	SP17A9	Dresser Valve	BM-08643				· · · · · · · · · · · · · · · · · · ·		
emoved SP17A5, Sp17A7, and SP172. Replaced with like for like valves rebuilt by Dresser under PO 7015783 and tested by Wyle Lab. ne 1 3/3" x 11 3/3" SA193, Gr B7 (ht#s094952) stud supplied by Nova was replaced on valve SP17A3 on the reinstallation. A VT-2 inservice test as performed satisfactory at completion of work. 8. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (YES) Other (NO) PressureN/Apsi Test TemperatureN/A*F Pressure Relief Valves: Service N/ASizeN/ASizeN/ASizeN/ASizeN/ASizeN/ASizeN/ASizeN/ASizeN/ASizeN/ASize	SP17A9					1971	неркасетент	19	
ne 1 3/3" x 11 3/3" \$A193, Gr &7 (Ht#3094952) stud supplied by Nova was replaced on valve SP17A9 on the reinstallation. A VT-2 Inservice test as performed satisfactory at completion of work. 8. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (YES) Other (NO) Pressure		A Spate	7. Descrip	tion of Wor	k	ected by	Wyle Lab.		
ras performed extistactory at completion of work. 8. Tests Conducted: Hydrostatic (NO) Pressure N/A psi Test Temperature N/A psi Test Temperature N/A Opening Pressure N/A Set Pressure and Blowdown Adjustments Made Using N/A (Test meters)	emoved SP17A5, Sp17	A7, and SP179. Replaced with l	ike for like valves rebu	in by Dresser	a SP1749 on the minstel	lation.	VT-2 Inservice test		
8. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (YES) Other (NO) PressureN/A			opued by Nova was let					·	
B. Tests Conducted. Trystobutto (rto) Trest Temperature*F PressureN/A Size N/A*F Opening PressureN/A Blowdown (if applicable) N/A	as performed satisfact	ory at completion of work.				<u>.</u>	·		
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 (set Bidge) at<			· · · · · · · · · · · · · · · · · · ·						
B. Tests Conducted. Trystocontrol (Tor) Pressure N/A psi Test Temperature N/A Size Service N/A Service N/A Service N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A (true mature) (true mature)									
B. Tests Conducted. Trystocontrol (Tor) Pressure N/A psi Test Temperature N/A Size Service N/A Service N/A Service N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A (true mature) (true mature)				·					
B. Tests Conducted. Try conducted. Try conducted. N/A*F PressureN/A SizeN/A Size Pressure Relief Valves: Size Size Opening Pressure		• •							
Pressure N/A psi Test Temperature N/A •F Pressure Relief Valves: Size N/A Size N/A Opening Pressure N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A (Test Relief)								-	
Pressure Relief Valves: Service_N/A SizeSizeSize Opening PressureN/A Blowdown (if applicable)N/A Set Pressure and Blowdown Adjustments Made Using_N/A Content Made Using_N/	8. Tests Conducted:	•		Non	•			-)	
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> (Set Pressure and Blowdown Adjustments Made Using <u>N/A</u> (Set Pressure and Blowdown Adjustments Made Using <u>N/A</u>)	Pressure Rei								
Set Pressure and Blowdown Adjustments Made Using N/A							·····	-	
Set Pressure and Blowdown Adjustments Made Using <u>N/A</u>		Opening Pressure	N/A		Blowdown (if ap	plicable	a)N/A		
at N/A /						5			
			-				•		

	FORM NIS-2 /NR-1 /-NVR-T	
	9. REMARKS Applicable Manufacturers Data Reports to be Attached	
resser Valve NVR-1 Reports (3)		
	CERTIFICATE OF COMPLIANCE	
the ASME Code Section XI.	in the report are correct and this <u>replacement</u> conforms to the rules of	
	Certificate of Authorization No20 Expiration Date7-17-01	
	()	
Signed A.W.Starme	Nuclear Safety & Inspection Manager Date 5/22/04 48-	
	Durfas er Owner'z Designee, Title	_
State or Province of <u>Ohlo</u> and empi have inspected the components described in that to the best of my knowledge and bellef, described in this Owner's Report in accorda	CERTIFICATE OF INSERVICE INSPECTION on Issued by the National Board of Boller and Pressure Vessel Inspectors in the loyed by <u>Factory Mutual Ins. Co.</u> ⁵ <u>Johnston, R.I.</u> n this Owner's Report during the period <u>W/6/19</u> to <u>5/23100</u> , and state the Owner has performed examinations and taken corrective measures ince with the requirements of the ASME Code, Section XI.	
	ctor nor his employer makes any warranty, expressed or implied, concerning the cribed in the Owner's Report. Furthermore, neither the Inspector nor his employer al injury or property damage or a loss of any kind arising from or connected with	
this inspection.		
Thomas & Paps ANCE	52300 Commissions NB 9330 N I A COMM. Date National Board, State, Province and Endorsements	
	CERTIFICATE OF COMPLIANCE	
milef device described above conforms to \$	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as	
relief device described above conforms to 8 defined in publications NB-65 and NB-102,	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions.	
relief device described above conforms to 8 defined in publications NB-65 and NB-102,	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions.	
relief device described above conforms to 8 defined in publications NB-65 and NB-102, Certificate of Authorization No. <u>316</u>	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	
relief device described above conforms to 8 defined in publications NB-65 and NB-102, Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	
relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	
relief device described above conforms to 8 defined in publications NB-65 and NB-102, Certificate of Authorization No Certificate of Authorization No Date, 19, Signed	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	
relief device described above conforms to 8 defined in publications NB-65 and NB-102, Certificate of Authorization No Certificate of Authorization No Date, Signed	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	
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relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u> Date, 19, Signed I, the undersigned, holding a valid commiss certificate of competency issued by the Stat	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions.	
relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No Date, 19, Signed I, the undersigned, holding a valid commiss certificate of competency issued by the Stat of Johnston, R.I have inspected in constructed in accordance with Section XI a	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions.	or 65 an
relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u> Date, 19, Signed_ I, the undersigned, holding a valid commission certificate of competency issued by the State of Johnston, R.I have inspected in	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions.	or 65 an
relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No Certificate of Authorization No Date, 19, Signed Date, 19, Signed i, the undersigned, holding a valid commission certificate of competency issued by the State of Johnston, R.I have inspected if constructed in accordance with Section XI a NB-102, current editions. By signing this certificate, neither the inspect	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions.	or 65 an
relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No Date, 19, Signed Date, 19, Signed I, the undersigned, holding a valid commiss certificate of competency issued by the Stat of Johnston, R.I have inspected if constructed in accordance with Section XI a NB-102, current editions. By signing this certificate, neither the inspec repair, modification or replacement describ liable in any manner for any personal injun	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	or 65 an
relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No Date, 19, Signed Date, 19, Signed I, the undersigned, holding a valid commission certificate of competency issued by the State of Johnston, RI have inspected if on, 19 have inspected if on, 19 have inspected if constructed in accordance with Section XI of NB-102, current editions. By signing this certificate, neither the inspected table in any manner for any personal injunt this inspection.	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	or 65 an
relief device described above conforms to 5 defined in publications NB-65 and NB-102, Certificate of Authorization No Date, 19, Signed Date, 19, Signed I, the undersigned, holding a valid commiss certificate of competency issued by the Stat of Johnston, R.I have inspected if constructed in accordance with Section XI a NB-102, current editions. By signing this certificate, neither the inspec repair, modification or replacement describ liable in any manner for any personal injun	report are correct and the repair, modification, or replacement of the pressure Section XI and Section III of the ASME Code and the National Board rules as , current editions. 	or 65 an

RFO Inservice Inspection Summary	Page 164
st Energy Nuclear Operating, 76 South Main St., Akron, Ohio 44308 vis-Besse Nuclear Power Station Unit #1, 5501 N. St. Rt. 2, Oak Harbor, Ohio mmercial Service Date: 11/27/77	43449
Interest Service Date. 11,2,777	
•	
FORM NVR-1 REPORT OF REPAIR X MODIFICATION X OF NUCLEAR PRESSURE RELIEF DEVIC	OR REPLACEMENT
1. Work performed by Dresser Valve Division; Dresser Equipment Group, Inc.	7015788 01-27014-0
(same of organization) Intersection Hwy. 157 @ 3225 North, Alexandria, Louisiana 7130	(P.O. no.,)ob no., etc)
(#ddress)	
2. Work performed for First Energy Corporation The Toledo Edison Company 5501 No. (name and address)	orn State Route 2 Oak Harbor, Unio 434
3. Owner The Toledo Edison Company Davis Besse Plant 5501 North Slate Route 2 (name)	
Oak Harbor, Ohio 43449 (eddress)	
4. Name, address and Identification of nuclear power plant The Toledo Edison Comp 5501 North State Route 2	any Davis Besse Plant
5. a: Repaired pressure relief device: Safety Valve	
b: Name of manufacturer Same as item 1 above	
c: Identifying nos. S707RA BM-08049 N/A (https://www.seniatinc.) (Nat'l. Bd. No.)	STEAM 6° 197 (service) (siza) (year b
d: Construction Code ASME Section III 1968 Winter 1968	N/A A Vessels, A
(name/section/dh/lsion) (edition) (addenda)	(Code case(s)) (Code Ciass
6. ASME Code Section XI applicable for in service inspection:1977	Summer 1978 N/A
(edition) 7. ASME Code Section XI used for repairs, modifications, or replacements: 1977	(addenda) (Code Case(s)) Summer 1978 N/A
(eccon) (addenda) (Code Case
8. Construction Code used for repairs, modifications, or replacements: 1968	
9. Design responsibility Same as item 1 above	
10. Opening pressure: 1100 PSIG Blowdown (if applicable) N/A	%. Set pressure and blowdown adjustme Using Steam
made et: Wyle Leb. Huntsville, Alabama (location)	(isst medium)
11. Description of work: (include name and identifying number of replacement parts) V Repaired, Assembled, & Tested. Replaced Comp.Screw P/N 4777601N, Spindle P/N 433	alve Was Disassembled, Inspected, Modif 37201N, Cotter Pin P/N 2220219, Disc Co
P/N 4350101N & Disc P/N WNN815GN S/N ABK45.	
12. Remarks: Parts Added Are : Washer P/N 4351201, Bushing P/N 4351301, Cap Su	crew P/N 2311560 & Lockwasher
P/N 2010206. Yoke & Yoke Rod Nuts Were Reworked By Machining.	
CERTIFICATE OF INSPECTION	
1. <u>Terry W. Bornes</u> , certify that to the best of my knowledge and Cornect and the repair, modification or replacement of the pressure relief devices describ Code and the National Board Inspection Code "VR" and "NR" rules.	d belief the statements made in this report and above conforms to Section XI of the A
National Board Certificate of Authorization No. VR-70,95,97-118 & 120-124 to use	the "VR" stamp expires6-29-200
National Board Certificate of Authorization NoNR-45 to use the *NR	stamp expires6-30-2002
Date <u>H-12-2000</u> Same as Kern 1 above. Signed Journ H. C.	Quality Engineer
CERTIFICATE OF INSPECTION holding a valid commission issued by The Inspectors and certificate of competency issued by the jurisdiction of Louislana Hartford Steam Boller Inspection and Insurance Co. of Hartford, CT have inspected described in this report on <u>4112 / 00</u> and state that to the best of my known replacement has been completed in accordance with Section XI of the ASME Code and	end employ cted the repair, modification or replaceme coviedce and belief, this repair, modification
"NR" rules. By signing this certificate, neither the undersigned nor my employer makes any warrant modification or replacement described in this report. Furthermore, neither the undersign manner for any personal injury, property damage or loss of any kind arising from or con	y, expressed or implied, concerning the re led nor my employer shall be liable in any nected with this inspection.
	mmissions NB7779 AND LA

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Form NVR-1 Re	PORT OF R_AIR OF N	MOL Diclear Pressu	RE RELIEF DEVI	OR REPLAC	EMENT
1. Work performed by	Dresser Valve Division	Dresser Equipment	Group, Inc.	7015788 01-	
1. Work periormen by		I name of prophysion			10., job 80., etc.)
	Intersection Hwy. 167 @				
2. Work performed for			(MBULL BUD BOOKDOS	iorth State Route 2 Oak -)	larbor, Ohio 43449
	lo Edison Company Davis	Besse Plant 6501 N	(name)		
Oak Harbor, Ohio 43	449	(eddr			<u></u>
4. Name, address and 5501 North State Rout	Identification of nuclear p le 2	ower plant <u>The</u>	Toledo Edison Com	pany Davis Besse Plant	
5. a: Repaired press	ure relief device: Safe	ty Valve			
b: Name of manuf	facturer Same as item		N/A	STEAM 6"	1971
c: Identifying nos.		(mtr's sense no.)	(Net'L Bd. No.)	(service) (size	
d: Construction C	icde ASME Section II	1968	Winter 1968 (eddenda)	(Code case(s))	A Vessels, Art. 9 (Code Class)
	(name/section/divisi	ion) (addion)	(accessed)	• • • • • • • • • • • • • • • • • • • •	•••••
6. ASME Code Section	n XI applicable for in serv	ice Inspection:	1877	Summer 1978	N/A (Code Case(a))
	n XI used for repairs, mor		(edition) ements: 197	7 Summer 197	8 N/A
			· · · · · ·	m) (addenda) Winter 1968	(Code Case(s)) N/A
8. Construction Code	used for repairs, modifica	tions, or replacemen	(edition)	(Eddenda)	(Code Case(T))
9. Design responsibili	ty Same as item 1 abo	ive	N/A	%. Set pressure and b	lowdown adjustment
10. Opening pressure	Huntsville, Alabama	vdown (if applicable)		Using	Steam
		(location)			(test medium)
11. Description of wor	ic (include name and ide	ntifying number of re	placement parts)	Valve Was Disassembled	2220219 &
Repaired, Assembled Disc P/N VG2815KO	. & Tested. Replaced Col	mp.Screw PIN 4/1/1	TUTK, OPERATE FIRE	777801N, Cotter Pin P/N	
Disc P/N VG2815KU	5422 O/N ANTUS.			Comu: DAI 2311550 £ 1 A	dwasher
12. Remarks: Part	s Added Are : Washer P/ Yoke Rod Nuts Were Ro	N 4351201, Bushing	P/N 4351301, Cap	Screw P/N 2311560 & Lo	
P/N 2010208. Yoke 6	TOKE ROO NUIS THEE RE				
			OF INSPECTION	nd belief the statements r	nade in this report are
I. <u>Terry</u> M Correct and the repair	r, modification or replaced at Board Inspection Code	ment of the pressure	i telist devices desc	ribed above conforms to 8	Section XI of the ASME
Notional Board Certif	icate of Authorization No.	VR-70,85,87-11	8 & 120-124 to us	e the "VR" stamp expires	6-29-2001
1	ficate of Authorization No.		to use the "N	R" stamp expires	6-30-2002
			Lenner.	Baines	Quality Engineer
Date	(name of certifica		authorized represent	211/8)	(\$00)
		CERTIFICATE	OF INSPECTION		
B.C. De	sher .	holding a valid comm	nission issued by Th	e National Board of Bolle	r and Pressure Vessel and employed by
Inspectors and certif	icale of competency issue	ed by the jurisdiction ce Co. of Harti	of Louisiana	pected the repair, modific	ation or replacement
Hartford Steam Bolle described in this rep	er Inspection and Insuran		A down the set of some fi	maufades and hallof this	penair, modification of
replacement has bee	en completed in accordar	ice with Section XI o	f the ASME Code a	nd the National Board Ins	pection Code "VK" and
"NR" rules.				ohe everenced or implied	concerning the repair
By signing this centre modification or repla	cate, nemer the underso	report. Furthermore.	neither the undersi	gned nor my employer sh onnected with this inspect	all be liable in any
manner for any pers	onal injury, property dam	age or loss of any ki	ind arising from or c	onnected with this inspect	
Date 4/12/0	5 Signed	Calerton-		Commissions 11577	79 A D'LA 664
				unsdiction,	and no.)

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Page 165

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Form NVR-1 Report	OF REPAIR X	Mod Lear Pressu	IFICATION X RE RELIEF DEV	OR REPLAC	
1. Work performed by Dress	er Valve Division; D	resser Equipment	Group, Inc.	7015788 01-	27014-0
	ection Hwy. 167 @ 3	same of organization) 225 North, Alexan	iria, Louisiana 713	(P.Q.)	na., job no., etc)
			(name and address	•	larbor, Ohio 43449
3. Owner The Toledo Ediso	n Company Davis B	esse Plant 5501 N	(nume)		
Oak Harbor, Ohio 43449		(addre		• •	
4. Name, address and identific 6501 North State Route 2	ation of nuclear pow		aledo Edison Com	pany Davis Besse Plant	
6. a: Repaired pressure reli	ef device: Safety				
b: Name of manufacturer	Same as item 1		N/A	STEAM 6"	1971
c: Identifying nos. 3		08048 rs esiel no.) (Nari, Bd. No.)	(service) (size	
d: Construction Code	ASME Section III	1968	Winter 1968	N/A	A Vessels, Art. 9
	(name/section/division)	(edition)	(addenda)	(Code case(s))	(Code Class)
6. ASME Code Section XI sp	licable for in service	Inspection:	1977 (edition)	Summer 1978	N/A (Code Case(s))
7. ASME Code Section XI use	d for repairs, modifie	ations, or replace	ments: 197	7 <u>Summer 197</u>	B N/A
			(earbo	m) (øddenda) Winter 1968	(Code Case(s)) N/A
8. Construction Code used for	r repairs, modification	ns, or replacement	(edition)	(addenda)	(Code Case(s))
	ime as item 1 above			A(
10. Opening pressure: 110		wn (if applicable)	N/A	%. Set pressure and b Using	Steam
made at: Wyle Lab. Hunts	ville, Alabama	(location)			(test medium)
11. Description of work: (inclu	do nomo eod Montif	ving number of ret	lacement parts)	Valve Was Disassembled	Inspected, Modified,
Repaired Assembled, & Test	ed. Replaced Comp.	Screw P/N 47776	1N, Spindle P/N 4	337201N, Cotter Pin P/N	2220219, Disc Collar
PAN 4350101N & Disc PAN W	NN815GOS421 6/N	AAR53.			
12. Remarks: P/N 2010206. Yoke & Yoke F	Are : Washer P/N 4	351201, Bushing F	N 4351301, Cap	Screw P/N 2311560 & Los	kwasher
P/N 2010208. Toke & Toke H	tod Mills Were Kewc				
I. <u>Terry</u> W. Bo Correct and the repair, modificate Gode and the National Board	cation or replaceme	nt of the pressure i	of my knowledge a	nd belief the statements n ibed above conforms to S	nade in this report are lection XI of the ASME
National Board Certificate of	Authorization No.	VR-70,95,97-118	& 120-124 to use	e the "VR" stamp expires	6-29-2001
National Board Certificate of	Authorization No.	NR-45	to use the "N	R" stamp expires	6-30-2002
Date <u>4-12-2000</u>	Same as Item 1 a (name of centilizate h	bove. Signed	Mur W. O	Same	Quality Engineer
I. <u>B.C. Doshen</u> Inspectors and certificate of Hartford Steam Boiler Inspect described in this report on replacement has been comp NR" rules. By signing this certificate, no modification or replacement manner for any personal into Date <u>4/12/00</u>	hok competency issued i tion and insurance ition and insurance ition and insurance ition in accordance ition the undersigne	CERTIFICATE (fing a valid commi- by the jurisdiction of Co. of <u>Hartfo</u> and state that with Section XI of d nor my employed of Euripermote.	ssion issued by The <u>Louisiana</u> <u>to the best of my k</u> the ASME Code and makes any warran telther the undersig d arising from or co	nty, expressed or implied, gned nor my employer sha mnected with this inspecti commissions NB 77	and employed by tion or replacement repair, modification or section Code "VR" and concerning the repair all be liable in any ion. 79 "A" LAGE 4 and (incl. endorsements), and

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Owner Tolec	io Edison Company		Date	5/22/00			
	adison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
	Address		11-14				
2. Plant <u>Davis</u>	-Besse Nuclear Power Sta	tion	υηπ	#1	·····	·	
5501	N. SR 2, Oak Harbor, OH 4	3449		WO 99-003334-000 Repair Organization P.O. No	., Job No., 4		
3. Work Performe	Tolada Ediaan (Company	Type Code	Stamp NR	•		
	Nume N. SR 2. Oak Harbor, OH 4	3449	Authoriz	zation NO. 20			
			Expira	ation Date <u>7-17-0</u>	1		
4. Identification o	f Systems <u>Main Steam</u>	Line #1 Code Safe	ty Valves	<u> </u>			
	Construction Code ACM		ition 19 <u>68</u>	Addendum W	68	Code Case N	I/A
••••	Construction Code <u>ASM</u>		-				
(b) Applicable	Edition of Section XI Utiliz	zed for Repairs or	Replaceme	nts 19 <u>86</u>			
(c) Design Re	sponsibilities <u>Dresser</u>	Valve		<u></u>			
(-, _, _, _, _, _, _, _, _, _, _, _, _, _,							
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement C	Compo	nents	1
Name of Component	Name of Manufacturer	Manufacturer's Serial MO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AS Cod Stam
6P1783	Dresser Valve	BM-8634	n/a	n/a	1972	Replaced	Ye
SP17B3	Dresser Valve	BM-08635	n/a	n/a	1972	Replacement	Ye
SP17B6	Dresser Valve	BM-8639	n/a	n/a	1972	Replaced	Ye
SP17B6	Dresser Valve	BM-8640	n/a	n/a	1972	Replacement	Ye
SP17B7	Dresser Valve	BS-06255	n/a	n/a	1978	Replaced	Ye
SP17B7	Dresser Valve	BM-08051	n/a	n/a	1971	Replacement	Ye
		7. Descript	tion of Worl	<		A	
emoved SP17B3, SP17	B6, and SP17B7. Replaced with	like for like valve rebu	ullt by Dresser	(SP17B7) under PO 7015	788 and	tested by wyle LEB.	
P1783 and \$P1786 rej	placed with like for like valves re	built by NWS Technolo	ogies, LLC und	ter PO 7014672 Hev. 4 4	na teste	a saustactory at their t	
even studs (1 3/8" x11	3/8" SA 193 Gr B7) and ten nuts	(1 3/8"-8 UN 28, 6A-19	4 Gr 2H) were	replaced on the milet ma	nges. B		
re referenced and liste	d in the body of the work order.	After installation, a V	I-2 Inservice w	vas pertormed satisfacto			
				······			
						<u></u>	
			<u>•</u>				
8. Tests Conducted	: Hydrostatic (NO) Pressure <u>N/A</u>			inal Operating Press Test Temperature_))
	lief Valves:						
Pressure Re	Service <u>N/A</u>			Size <u>N/A</u>			-
Pressure Re				Blowdown (If app	licable) <u> </u>	
Pressure Re	Opening Pressure	N/A					
Pressure Re	Opening Pressure			N/A	,. Int Hudium	··•	

FORM NIS-2 /NR-1 / NVR-3	
9, REMARKS Applicable Manufactures Data Reports to be Attached	
esser Valve NVR-1 Report (1), NWS Technologies, LLC NVR-1 Reports (2).	
	· —·
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI.	
The Carde Combal NR Certificate of Authorization No. 20 Expiration Date	
Signed_ Start Start Designee, The	
CERTIFICATE OF INSERVICE INSPECTION	
the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the itate or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.</u> of <u>Johnston, R.I.</u> , <u>Johnston</u> , <u>Jo</u>	
by signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer half be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the basedian	
Thomas & Japa ANIT 5/23/00 commissions NB 9330 NIA COMM.	
CERTIFICATE OF COMPLIANCE	-
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions.	
Certificate of Authorization No316 to use the "VR" stamp expiresDec. 13, 2001	
Certificate of Authorization No. 20 to use the "NR" stamp expires July 17	
Date, 19, Signed Toledo Edison Inspection Manager Repair Organization Authorized Representative Title	
CERTIFICATE OF INSPECTION	
, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel inspectors, and	
, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and certificate of competency issued by the Staté or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.*</u> of <u>Johnston, R.I.</u> have inspected the repair, modification, or replacement described in this report	
, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and certificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Factory Mutual ins. Co.*</u>	or -65 ani
b, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and certificate of competency issued by the Staté or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.*</u> of <u>Johnston, R.1.</u> have inspected the repair, modification, or replacement described in this report on, 19 and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-	or -65 and
 a, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel inspectors, and certificate of competency issued by the Staté or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.*</u> of <u>Johnston, R.I.</u> have inspected the repair, modification, or replacement described in this report on	or -65 and
It is undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and Certificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.*</u> Of Johnston, R.I	or -65 enc
It is undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and Certificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.*</u> Of Johnston, R.I	er -65 and

Page 169

12 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77

FORM NVR-1 REPORT OF REPAIR 🗹 ... EPLACEMENT 🖾 OF NUCLEAR PRESSURE RELIEF DEVICES

· · · · · · · · · · · · · · · · · · ·	WS Technolog 31 Venture Boulev	gies, LLC rard, Spartanburg,			# 7014672 Rev.	4
2. Work performed for:	First Energy, Davis-	Besse Power Static	n			
3/4. Owner - name, addro 5501 North State Roo			plant:	Davis-Besso	e Power Station	
 a: Repaired pressure b: Name of manufactu c: Identifying nos. 		ain Steam Safety Va onsolidated	itve			
0. labiniying	3707RA	BM08635	_N/A	steam	<u>6x8</u>	1972
	(type)	(mfr's S/N)	(NB#	-		(yr.built)
d: Construction Code:				W68	N/A	2
	(name/section/divis	sion) (edition)	(i		ode Cases(s))	(Code Class)
6. ASME Code Section >	(I applicable for ins	ervice inspection:		1986	<u>N/A</u>	<u>N/A</u>
				(edition) 1986	(addenda) N/A	(Code Case(s)) N/A
7. ASME Code Section)	a used for repairs,	replacements:		(edition)	(addenda)	(Code Case(s))
8. Construction Code us	ed for repairs, repla	acements:		1968	W68	N/A
			-	(edition)	(addenda)	(Code Case(s))
9. Design responsibilities	s: <u>N/A</u>				·	
10. Opening pressure: Set-pressure adjustr		NWS Technologie	s, LLC	using	g steam	
11. Description of work lapped seats, cleane						
12. Remarks: New disc	installed in valve.		· <u></u>			
1. Cesar V. Sierr		ERTIFICATE OF CO			o statemente m	ado in this
report are correct and th						
conforms to Section XI						
National Board Certifica	te of Authorization	No. <u>632</u> to u	se the '	VR" stamp ex	cpires <u>April 3</u>	, 2000.
National Board Certifica	te of Authorization	······································	-	NR" stamp ex	kpires <u>April 9</u>	, 2000.
2/29/00 NWS	Technologies, LLC	c VESER	I.E.	101	Ma	anager, QA
Date	Repair Organization		uthorized	representative		Title
	· C	ERTIFICATE OF IN	ISPEC	TION	<u> </u>	
I. Joe C. Hair		alid commission issu				
Vessel Inspectors and o	•		•			nd employed
by Hartford Steam Bo						
or replacement describe this repair, modification					t of my knowled ction XI of the o	
Code and the National						
By signing this certificat	-			akes any wa	rranty, expresse	ed or implied,
concerning this repair, I						
nor my employer shall t			ll injury	, property dan	nage or loss of a	any kind
arising from or connect	ea with this inspection	ion.				
229/00 _	fre C. Ha	u	_		I,I,S,IS Texas 1	
Date	Inspector's	Signature	Com	missions (NB (in	ci endorsements), j	urisdiction.& no.)

.

FORM NVR-1 REPORT OF REPAIR D PLACEMENT D OF NUCLEAR PRESSURE RELIEF DEVICES

		ologies, LLC pulevard, Sparta				7014672 Rev.	. 4
2. Work performed for: Fi	rst Energy, Da	avis-Besse Pow	er Station		· · · · · · · · · · · · · · · · ·		
3/4. Owner - name, addres 5501 North State Rout	ss and identifier	cation of nuclear bor, OH 43449	r power pl -9760	ant:	Davis-Besse	Power Station	
5. a: Repaired pressure re b: Name of manufactur	elief device: er: Dresser	Main Steam S - Consolidated	afety Valv	e			······
c: Identifying nos. 377	7QA-RT21	BM8640	ł	N/A	steam	6x8	1972
	(type)	(mfr's S/N	· · ·	(NB#)	(service)	(size)	(yr.built)
d: Construction Code:	ASME Sec.		1968		<u>V68</u>	N/A	2
	(name/section		(edition)	(ad		ode Cases(s))	(Code Class)
6. ASME Code Section XI	applicable fo	r inservice inspe	ection:		1986	<u>N/A</u>	N/A
					(edition) 1986	(addenda) N/A	(Code Case(s)) N/A
7. ASME Code Section X	used for repa	airs, replacemen	15.		(edition)	(addenda)	(Code Case(s))
8. Construction Code use	d for repairs,	replacements:			1968	W68	N/A
		•			(edition)	(addenda)	(Code Case(s))
9. Design responsibilities:	N/A						
10. Opening pressure: 1							
Set-pressure adjustm	ent made at:	- NWS Tec	hnologies	LLC	using	steam	
11. Description of work (d identifying number	of replacen	ent parts	s): Disasse	mbled, inspect	ed, replaced guide
& holder, lapped seal	s, assembled	. Certified set-pr	essure ar	d seat			
12. Remarks: New disc h							
IZ. Remarks. New disc in		CERTIFICAT					
				MDI 161	MCH		
1 Cosar V Sierra	certify 1	that to the best o				e statements n	nade in this
I, Cesar V. Sierra	e repair, modi	ihat to the best c fication or replac	of my know cemtn of the	vledge ne pres	and belief th sure relief d	evices describe	ed above
report are correct and the conforms to Section XI o	e repair, modi f the ASME C	fication or replace ode and the National	of my know cemtn of the ional Boa	viedge ne pres rd Insp	and belief th sure relief de ection Code	vices describe	ed above rules.
report are correct and the conforms to Section XI o National Board Certificat	e repair, modi f the ASME C e of Authoriza	fication or replace ode and the Nation No63	of my know cemtn of the ional Boa 2 to use	viedge ne pres rd insp e the "V	and belief th sure relief de ection Code /R" stamp ex	evices describe "VR" and "NR" pires <u>April :</u>	ed above rules. 3, 2 <u>000.</u>
report are correct and the conforms to Section XI o	e repair, modi f the ASME C e of Authoriza	fication or replace ode and the Nation No63	of my know cemtn of the ional Boa 2 to use	viedge ne pres rd insp e the "V	and belief th sure relief de ection Code	evices describe "VR" and "NR" pires April pires April	ed above rules. 3, 2000. 9, 2000.
report are correct and the conforms to Section XI o National Board Certificate National Board Certificate 2/29/00 NWS T	e repair, modi f the ASME C e of Authoriza e of Authoriza fechnologies	fication or replac lode and the Nat lition No. 63 tition No. 81	of my know cemtn of ti ional Boa 2to use to use	viedge ne pres rd inspo e the "V e the "V	and belief th sure relief de ection Code /R" stamp ex IR" stamp ex IR" stamp ex	evices describe "VR" and "NR" pires April pires April	ed above rules. 3, 2000. 9, 2000. anager, QA
report are correct and the conforms to Section XI o National Board Certificate National Board Certificate 2/29/00 NWS T	e repair, modi f the ASME C e of Authoriza e of Authoriza	fication or replac ode and the Nat tion No. 633 tion No. 81 , LLC tion	of my know centro of the ional Boa 2 to use to use	viedge ne pres rd inspo e the "V e the "V thorized	and belief th sure relief de ection Code (R" stamp e) (R" stamp e) (R" stamp e) (R" stamp e) (R" stamp e)	evices describe "VR" and "NR" pires April pires April	ed above rules. 3, 2000. 9, 2000.
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. Owner Toled	o Edison Company		Date	4/30/00			
	adison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
	-Besse Nuclear Power Sta		Unit	#1			
	Nume N. SR 2. Oak Harbor. OH 4:			WO 99-003339-000			
	By Toledo Edison (Recair Organization P.O. N	ic., Job No.,	etc.	
	Harno						
5501	N. SR 2. Oak Harbor. OH 4 Mater	3449		ion N020			
			•	on Date7-17-0			
4. Identification of	Systems <u>Main Steam</u>	System_EBB-1-SI	R4 C-22	5 (Subsys 083-01))		
5. (a) Apolicable	Construction CodeANS	B31.1 Ed	ition 19 <u>67</u>	Addendum <u>N</u>	Ά	Code Case	<u> //A</u>
•••••	Edition of Section XI Utilize		eplacement	s 1986			
•••							
(c) Design Rea	sponsibilities <u>LISEGA</u>	<u> </u>					
. <u></u>	6. Identification of Comp	conents Repaired o	or Replaced	and Replacement C	ompone	nts	
	•						
ams 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	61252/53	N/A	C-22 5	N/A	Replaced	No
Snubber	Lisega	99614610/23	N/A	C-225	N/A	Replacement	No
			<u> </u>				
<u> </u>	<u></u>					· · · · · · · · · · · · · · · · · · ·	
	<u></u>		<u> </u>				+
	1		tion of Work				
• •	er S/N 61252/53 was removed an		for like enubbi	er S/N 99614610/23.			
nubber was functional	y lested satisfactory prior to ins	tallation.					
		·					
<u></u>							
	······································		•				
		Pneumatic (NO)	Nor	ninal Operating Press	ura (N	O) Other (N	0)
a marine marine de la companya de la	: Hydrostatic (NO) Pressure <u>N/A</u>	• • •		est Temperature	-	· -	•
8. Tests Conducted				•			
8. Tests Conducted Pressure Rel	ief Valves:			Size N/A			
8. Tests Conducted Pressure Rel	ief Valves: Service <u>N/A</u>						
		N/A		Blowdown (if applic	able)	N/A	
	Service_N/A			Blowdown (if applic	able)		

FC	ORM NIS-2 /NR-1 / NVR-1
	S. REMARKS Applicable Manufacturers Data Reports to be Atlached
IA	
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are to the ASME Code Section XI.	
Type Code Symbol <u>NR</u> Certificate of Au	rthorization No. 20 Expiration Date 7-17-01 5/3/2 occ ar Safety & Inspection Manager Date 19-
Signed J.W. Starra & Nuclea	
Owner er Owner's Design	196, Title
a second particular and particular a scalid commission issued by the	ICATE OF INSERVICE INSPECTION National Board of Boller and Pressure Vessel Inspectors in the ony Mutual Ins. Co. of
examinations and corrective measures described in the Own shall be liable in any manner for any personal injury or prope	over makes any warranty, expressed or implied, concerning the ter's Report. Furthermore, neither the inspector nor his employer only damage or a loss of any kind arising from or connected with
Thomas & Jaga 5/3/00 Inspector's Signature	Commissions NB 9330 N I A OHIOU. National Board, State, Province and Endorsements
We easily that the statements made in this report are correct	CERTIFICATE OF COMPLIANCE ct and the repair, modification, or replacement of the pressure ection III of the ASME Code and the National Board rules as
-	
Ceritificate of Authorization No316 to use the "V	
Certificate of Authorization No20 to use the "N	IR' stamp expires July 17, 2001
	NUClear Salety &
Date, 19, Signed_ Toledo Edison Repeir Organization	Authorized Representative This
	CERTIFICATE OF INSPECTION
	National Board of Boller and Pressure Vessel Inspectors, and
certificate of competency issued by the State or Province of	at is a Sector Mittal Inc. Co.*
of Johnston, R.t. have inspected the repair, modified	cation, or replacement described in this report
on, 19, and state that to the best of my I constructed in accordance with Section XI and Section III of NB-102, current editions.	knowledge and bellef, this repair, modification, or replacement has been made or the ASME Code and the National Board rules as defined in the publication NB-65 ar
	the second sec
By signing this certificate, neither the inspector nor his empl repair, modification or replacement described in this report. Hable in any manner for any personal injury or property dam this inspection.	Furthermore, neither the inspector nor his employer shall be
repair, modification or replacement described in this report. Nable in any manner for any personal injury or property dam	Furthermore, neither the inspector nor his employer shall be hage or a loss of any kind arising from or connected with Commissions
repair, modification or replacement described in this report. Nable in any manner for any personal injury or property dam	Furthermore, neither the inspector nor his employer shall be hage or a loss of any kind arising from or connected with

-				4 107100			
	o Edison Company			4/27/00_ heet 1 of 1			
	adison Ave., Toledo, OH 4		-	-			
2. Plant <u>Davis</u>	Besse Nuclear Power Sta	tion U	Jnit	#1		·····	
<u> </u>	N. SR 2. Oak Harbor. OH 4	3449		WO 99-003340-000 Repair Organization P.O. I	to lob No		
3. Work Performed	By Toledo Edison (Company T	ype Code S	itamp <u>NR</u>	•		•
	Norme N. SR 2. Oak Harbor, OH 4		Authorizat	ion N0 20_			
	Address		Expiratio	on Date7-17-0	1		
· · · · · · · · · · · · · · · · · · ·	Systems <u>Main Steam</u>	Sustam EBB-1-S					
5. (a) Applicable	Construction CodeANS	B31.1 Ed	ition 19 <u>67</u>	Addendum <u>N</u>	Δ	Code Case	VA
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	eplacements	s 19 <u>86</u>			
(c) Design Res	ponsibilities <u>Lisega</u>						
	6. Identification of Com	onents Repaired o	r Replaced	and Replacement C	ompone	ents	
Mame of Component	Name of Manufacturer	Manufacturer's Serial EO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	A: Co Sta
Carther	Lisega	61233/67	N/A	C-170	N/A	Replaced	
Snubber Snubber	Lisega	61252/54	N/A	C-170	NA	Replacement	
							1-
·····							
			<u> </u>				
		7. Descript					
	r S/N 61233/67 was removed an y tested satisfactory prior to ins		or ake Lisega	Shubber and Cizozoa.		·····	
nubber was functionall	V tosted saustactory prior to nis						
	······································						-
				inal Operating Press		0) Other (N	n)
8. Tests Conducted:	••••••••••••••••	-		est Temperature	•	•	-1
	Pressure <u>NA</u>	psi	•	Bot Temperature		•	
Desseurs Del	Service_ <u>N/A</u>	•		Size N/A			
Pressure Reli				Blowdown (if applic	able)	N/A	
Pressure Reli	Opening Pressure	N/A'					
Pressure Reli	Opening Pressure Set Pressure and Blowdo			N/A			

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			Applicable Manufacturers Data Reports to be Attached
		9. REMARKS	
A			
	·····		
		ERTIFICATE OF COMPLIANCE	
We certify that the statements may the ASME Code Section XI.	de in the report are co		conforms to the rules of
	Certificate of Auth	norization No20E	xpiration Date 7-17-01
Signed 2 W Starm	Nuclear	Safety & Inspection Manager Dat	· <u> </u>
, the undersigned, holding a valid comm State or Province of <u>Ohio</u> and o have inspected the components describe that to the best of my knowledge and be	ission issued by the N employed by <u>Facton</u> ed in this Owner's Rep	port during the period <u>11-02-99</u>	the vessel inspectors in the ston, R.I. to $\underline{4.30}$, and state portective measures
described in this Owner's Report in acco	rdance with the requir	ements of the ASMIC COLE, COLE	
By signing this certificate, neither the ins	pector nor his employ	er makes any warranty, expressed	or Implied, concerning the
examinations and corrective measures of shall be liable in any manner for any per			
this inspection.		11800-1	AL T' A BOHIE
nspector s Signature	4-30-0	Commissions <u>AIG 980 /</u> National Board, State	p. Province and Endorsements
•			
		ERTIFICATE OF COMPLIANCE	
We certily that the statements made in relief device described above conforms defined in publications NB-65 and NB-1	this report are correct to Section XI and Sec 102, current editions.	Land the repair, modification, or re ction III of the ASME Code and the	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-65 and NB-1 Certflicate of Authorization No. <u>316</u>	this report are correct to Section XI and Section 2010 to the Section 2010 to use 2010 to	t and the repair, modification, or re ction III of the ASME Code and the R* stamp expiresDec. 13	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-65 and NB-1	this report are correct to Section XI and Section 2010 to the Section 2010 to use 2010 to	t and the repair, modification, or re ction III of the ASME Code and the R* stamp expiresDec. 13	placement of the pressure National Board rules as , 2001.
relief device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "Nf	t and the repair, modification, or re ction III of the ASME Code and the R* stamp expiresDec. 13	placement of the pressure National Board rules as , 2001
relief device described above conforms defined in publications NB-65 and NB-1 Certtilicate of Authorization No. <u>316</u>	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "Nf	t and the repair, modification, or re ction III of the ASME Code and the R* stamp expiresDec. 13	placement of the pressure National Board rules as , 2001.
relief device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "NF to use the "NF Toledo Edison Repeir Organization	t and the repair, modification, or re ction III of the ASME Code and the R* stamp expires <u>Dec. 13</u> R* stamp expires <u>July 17</u> Autorized Representative	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u> Date, 19, Signe	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "Nf edto use the "Nf edto use the "Nf Reper Organization	and the repair, modification, or re ction III of the ASME Code and the R* stamp expires R* stamp expires Autorized Representative CERTIFICATE OF INSPECTION	placement of the pressure National Board rules as , 2001. , 2001. Nuclear Safety &
relief device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u> Date, 19, Signe	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "Nf edto use the "Nf edto use the "Nf Reper Organization	and the repair, modification, or re ction III of the ASME Code and the R* stamp expiresDec. 13 R* stamp expiresUhy 17 Autorized Representative CERTIFICATE OF INSPECTION National Board of Boiler and Press	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-85 and NB-1 Certificate of Authorization No316. Certificate of Authorization No20 Date, 19, Signe I, the undersigned, holding a valid common certificate of competency issued by the	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "NF to use the "	and the repair, modification, or re ction III of the ASME Code and the R* stamp expiresDec. 13 R* stamp expiresUty 17 Autoritzed Representative CERTIFICATE OF INSPECTION National Board of Boller and Press Ohio and employed byF	placement of the pressure National Board rules as
retief device described above conforms defined in publications NB-85 and NB-1 Certificate of Authorization No316 Certificate of Authorization No20 Date, 19, Signe I, the undersigned, holding a valid comm certificate of competency issued by the of Johnston, R.I have inspec	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "NF to use the "NF 	and the repair, modification, or re ction III of the ASME Code and the R* stamp expires	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No316. Certificate of Authorization No20 Date, 19, Signe I, the undersigned, holding a valid common certificate of competency issued by the of <u>Johnston, R.I.</u> have inspect on, 19 have inspect on, 19 and state the constructed in accordance with Section	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "Nf to use the "	at and the repair, modification, or re- ction III of the ASME Code and the Code and the ASME Code and the Code and the ASME Code and the Code and expires	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-65 and NB-1 Certificate of Authorization No316. Certificate of Authorization No20 Date, 19, Signe I, the undersigned, holding a valid comm certificate of competency issued by the of <u>Johnston, R.I.</u> have inspect on, 19 have inspect on, 19 and state the constructed in accordance with Section	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "VF to use the "Nf edto use the "Nf ed	t and the repair, modification, or re ction III of the ASME Code and the ction III of the ASME Code and the ction III of the ASME Code and the code and expires	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-85 and NB-1 Certificate of Authorization No316. Certificate of Authorization No20_ Date, 19, Signe I, the undersigned, holding a valid common certificate of competency issued by the of Johnston, R.I have inspect on, 19 have inspect on have inspect on, 19 have inspect on	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "VF to use the "Nf edto use the "Nf ed	t and the repair, modification, or re ction III of the ASME Code and the Code and the ASME Code and the Code and the ASME Code and the Code and expires	placement of the pressure National Board rules as
relief device described above conforms defined in publications NB-85 and NB-1 Certificate of Authorization No316. Certificate of Authorization No20_ Date, 19, Signe I, the undersigned, holding a valid common certificate of competency issued by the of Johnston, R.I have inspect on, 19 have inspect on, 19 and state the constructed in accordance with Section NB-102, current editions. By signing this certificate, neither the in repair, modification or replacement des liable in any manner for any personal is	this report are correct to Section XI and Sec 102, current editions. to use the "VF to use the "VF to use the "Nf edto use the "Nf ed	t and the repair, modification, or re ction III of the ASME Code and the Code and the ASME Code and the Code and the ASME Code and the Code and expires	placement of the pressure National Board rules as

	Edison Company		Date	5/17/00			
	Blame			heet 1 of 1			
	dison Ave Toledo, OH 4 Martin		-				
2. Plant <u>Davis-</u>	Besse Nuclear Power Stat	ion l	Jnit	#1			
	I. SR 2. Oak Harbor. OH 43			NO 99-003398-000 Repair Organization P.O. N	ic., Job No.	, etc.	
3. Work Performed	By Toledo Edison C	company T	ype Code S	tamp <u>NB</u>			
	Nume I. SR 2. Oak Harbor. OH 43			ion N0 20			
	Address		Expiratio	n Date7-17-0	1		
a 11 alfi-al af i	SystemsPressurizer (oda Safaty Ballaf	•				
5. (a) Applicable (Construction Code <u>ASM</u>	<u>e ni c</u> l.1 Ed	ition 19 <u>68</u>	Addendum <u>S7</u>	<u>70</u>	Code Case	440
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	eplacements	i 19 <u>86</u>			
(c) Design Res	ponsibilities <u>Crosby \</u>	alve & Gage Co.					
(1) = 0							
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement Co	ompone		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
Salety Relief Valve	Crosby Valve & Gage	N54891-00-001	N/A	RC13A	1976	Replaced	Yes
Safety Relief Valve	Crosby Valve & Gage	N54891-00-002	N/A	RC13A	1976	Replacement	Yes
			<u> </u>				+
······································	l	7. Descrip	tion of Work		1		
	relief valve S/N N54891-00-001 a					N N54891-00-002.	
	ebuilt by Toledo Edison Co (WC		/S industries i	nc, Spartanburg, South C	eronna.		
After installation, a VT-2	leakage test was performed sati	stactory.					
	······						
······							
· · · · · · · · · · · · · · · · · · ·							
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>2158</u>	Pneumatic (NO) psi		inal Operating Press est Temperature	•	•	0)
Pressure Reli	ef Valves:						
				Size <u>N/A</u>	able)		
	Opening Pressure	N/A		Blowdown (if applic	-		
	a cart tellerada.	and A allowed and a set of the	ado i leina	N/A			
	Set Pressure and Blowdor	wn Adjustments w	aue Comy_	(N	nt Hollen)		

	FORM NIS-2 /NR-1 / N VR-1	to be be Attached
	8. REMARKS Applicable Manufacturen Data Repo	w w De Azached
Α		
	CERTIFICATE OF COMPLIANCE	• •f
	made in the report are correct and this <u>replacement</u> conforms to the rule	5 01
Type Code Symbol NR	Certificate of Authorization No. 20 Expiration Date 7-17-01	
signed g/WSter	Muclear Safety & Inspection Manager Dato 5/17/60	
•	Giner er Ovriefe Designes, Tille	
the undersigned, holding a valid constant of Province of Ohio an	CERTIFICATE OF INSERVICE INSPECTION mmission issued by the National Board of Boller and Pressure Vessel Inspectors in the d employed by <u>Factory Mutual Ins. Co.</u> of Johnston, R.I. when it is <u>Owner's Baroot during the period</u> [1-1/-9] to <u>5-17-40</u> , and state	
hat to the bast of my knowledge 200	belief, the Owner has performed examinations and taken corrective measures ccordance with the requirements of the ASME Code, Section XI.	
a similar this cartificate maither the	Inspector nor his employer makes any warranty, expressed or implied, concerning the	
www.teellana.and.comeditie meaning	is described in the Owner's Report. Furthermore, neither the inspector nor his employer personal injury or property damage or a loss of any kind arising from or connected with	
his inspection		
BSM.	5-17-00 Commissions <u>NS9801 N I A Coart</u> Date National Board, State, Province and Endorsements	
KHI	Date Commissions N/5 7801 14 - 17 Commissions	
mpecua a Signaria		
	CERTIFICATE OF COMPLIANCE	
milef device described above confor	CERTIFICATE OF COMPLIANCE In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102 gurrant editions.	
relief device described above confor defined in publications NB-65 and N	In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions.	
relief device described above confor defined in publications NB-65 and N Ceritficate of Authorization No3	In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions.	
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3	In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions. <u>16</u>	
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3	In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions. <u>16</u>	
refiel device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3	In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions. <u>16</u>	
refiel device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3	e In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions. 16 to use the "VR" stamp expires	
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relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3 Date, 19, Sk , the undersigned, holding a valid co	e In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions. 16	
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relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3 Date, 19, Sk , the undersigned, holding a valid oc certificate of competency issued by to of <u>Johnston, R.I</u> have insp on, 19 have insp on, 19 and state	e In this report are correct and the repair, modification, or replacement of the pressure ms to Section XI and Section III of the ASME Code and the National Board rules as IB-102, current editions. 116	been made or blication NB-65
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Page 176

4

FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S RE	PORT FO of the ASM	R REPAIRS OR E Code Section XI	REPL	ACEMENTS	
1. OwnerToledo	o Edison Company		Date	5/17/00			
300 Ma	num adison Ave., Toledo, OH 4	3652	S	heet 1 of <u>1</u>			
2. Plant Davis-	Besse Nuclear Power Stat	tion l	Jnit	#1			
5501 N	I. SR 2. Oak Harbor. OH 4	3449		WO 99-003399-000			
3 Work Performed	By Toledo Edison (Company T	vpe Code S	Repair Organization P.O. H	ia., Job No.	, etc.	
5501 N	I. SR 2. Oak Harbor. OH 4	3449	Authorizat	ion N020_			
	Address		Expiratio	on Date7-17-0	1		
4 Handlington of	Systems <u>Pressurizer (</u>	Code Selety Relief	•				
	Construction Code <u>ASM</u>		ition 19 <u>74</u>		<u>(3</u>	Code Case N	<u>K</u> A
(b) Applicable E	Edition of Section XI Utilize	d for Repairs or Re	placements	s 19 8 6			
(c) Design Res	ponsibilities <u>Crosby</u>	Valve & Gage Co.					
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement Co	ompone	ents	
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
Safety Relief Valve	Crosby Valve & Gage	N56264-00-0005	N/A	RC13B	1976	Replaced	Yes
Safety Relief Valve	Crosby Valve & Gage	N59303-00-0001	N/A	RC13B	1978	Replacement	Yes
<u> </u>							
	relief valve S/N N56264-00-0005	7. Descript	tion of Work	dicated spare safety reli	ef valve f	N N59303-00-0001.	
	ebuilt by Toledo Edison Co (WC						
	eakage test was performed sati		<u> </u>				
	•						
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>2158</u>	Pneumatic (NO)		inal Operating Press est Temperature	-	-))
Pressure Relie							
	Opening Pressure			Blowdown (if applic	able)	<u>N/A</u>	
	Set Pressure and Blowdow	wn Adjustments Ma	ade Using_	N/A	et Heliun)		
	at_N/A		E 1	Location			
(2) Information in	i sheets in the form of items 1 through 6 on th s recorded at the top of	is report is incl	or drawing: uded on eac	s may be used, provi ch sheat, and (3) e	ided (1 ach she) size is \$% x 1: et is numbered a:	nd the

		NIS-2/NR-1/+			
		9. REMARKS	Applicable M	ianufacturers Data Reports to be Al	tached
					·
	CERT	FICATE OF COMP	LIANCE		
We centify that the statements mad the ASME Code Section XI.				forms to the rules of	
	Certificate of Authoriza	tion No20	Expiration Date	7-17-01	
Signed 2/W. Staren	Q Nuclear Sale	ty & Inspection Manag	er Date 5/17/	_· 19	
Signed	Owner er Owner's Designes, Title				
the undersigned, holding a valid commis tate or Province of <u>Ohio</u> and en ave inspected the components describe tat to the best of my knowledge and beliv escribed in this Owner's Report in accor	CERTIFICAT sion issued by the Nation ployed by <u>Factory M</u> d in this Owner's Report of the Owner's Report of	E OF INSERVICE II al Board of Boiler and <u>utual Ins. Co.</u> of turing the period <u>1</u> and examinations and	VSPECTION Pressure Vessel Ins Johnston, R.I. //-99 to <u>5-17-0</u> taken corrective mea:	pectors in the	
ascilloc in the contribution of the line and corrective measures do that be liable in any manner for any pers	ector nor his employer m	akes any warranty, ex	pressed or implied, c wither the Inspector n		
B	577-00 Comm	nissions N/S 9801	NIA	CARA	
nepector'e Signature	Date	National Board, 1	state, Province and Endor	sements	
		·····			
We certify that the statements made in t		TRCATE OF COMI the repair, modification III of the ASME Code	on or replacement of t	the pressure rd rules as	
milef device described above conforms	his report are correct and o Section XI and Section	the master modificatio	on or replacement of t	ihe pressure rd rules es	
relief device described above conforms (defined in publications NB-65 and NB-10 Certificate of Authorization No. <u>316</u>	als report are correct and o Section XI and Section 2, current editions. to use the "VR" sta	the repair, modification ill of the ASME Code mp expires	on, or replacement of t and the National Boar Dec. 13	201	
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relief device described above conforms i defined in publications NB-65 and NB-10 Certificate of Authorization No	his report are correct and o Section XI and Section 22, current editions. to use the "VR" sta to use the "VR" sta to use the "NR" sta to use the "NR" sta Toledo Edison Reper Organization CER (ssion issued by the Nation (state or Province of) (state or Province or Province of) (state or Province of) (state or Province or Province or Province or Province or Province or Province o	the repair, modificatil III of the ASME Code mp expires amp expires Autosted Representative TIFICATE OF INSP and Board of Boller and Dhio and employed I , or replacement desc adge and bellef, this is SME Code and the N SME Code and the N makes any warranty, permore pelitier the b	on, or replacement of i and the National Boar Dec. 13 20 http://www.second.org/linear http://www.second.org/linear http://www.second.org/linear conditional board notes as expressed or implied, hencefor nor his emptied,	201 201 ty & anager spectors, and <u>Co.*</u> replacement has been i defined in the publication concerning the over shall be	nade or n NB-65 a
relief device described above conforms i defined in publications NB-65 and NB-10 Certificate of Authorization No20 Date, 19, Signed I, the undersigned, holding a valid comm certificate of competency issued by the S of <u>donston, R.I.</u> have inspect on, 19 and state the constructed in accordance with Section 3 NB-102, current editions. By signing this certificate, neither the im repair, modification or replacement dess Lable in any manner for any personal in	als report are correct and o Section XI and Section 22, current editions. to use the "VR" sta to use the "NR" sta to use the "NR" sta to use the "NR" sta <u>Repet Organization</u> CER state or Province of ad the repair, modification at to the best of my knowld Cl and Section III of the A spector nor his employer whiled in this report. Furth uny or property damage of	the repair, modificatil III of the ASME Code mp expires	on, or replacement of i and the National Boar Dec. 13 20 http://www.science.com/ Nuclear Safe Inspection M Tite ECTION ad Pressure Vessel Ins byFactory Mutual Ins. Stibed in this report apair, modification, or ational Board rules as expressed or implied, hspector nor his emploid, hspector nor his emploid.	201 201 y & anager spectors, and <u>Co.*</u> replacement has been in defined in the publication concerning the over shall be ed with	nade or on NB-65 at
I, the undersigned, holding a valid comm certificate of competency issued by the S of <u>Johnston, R.I.</u> have inspects on, 19 and state the constructed in accordance with Section 2 NB-102, current editions. By signing this certificate, neither the im repair, modification or replacement desc lable in any manner for any personal in	als report are correct and o Section XI and Section 22, current editions. to use the "VR" sta to use the "NR" sta to use the "NR" sta to use the "NR" sta <u>Repet Organization</u> CER state or Province of ad the repair, modification at to the best of my knowld Cl and Section III of the A spector nor his employer whiled in this report. Furth uny or property damage of	the repair, modificatil III of the ASME Code mp expires	on, or replacement of i and the National Boar Dec. 13 20 http://www.second.org/linear http://www.second.org/linear http://www.second.org/linear conditional board notes as expressed or implied, hencefor nor his emptied,	201 201 y & anager spectors, and <u>Co.*</u> replacement has been in defined in the publication concerning the over shall be ed with	nade or on NB-65 a

FORM	NIS-2 / NR-1 / NVR- 1 As Required	OWNER'S REP by the Provisions	of the ASM	R REPAIRS OR E Code Section XI		ACEMENTS	
	Edison Company			5/30/00 heet 1 of 1			•
	idison Ave., Toledo, OH 43		Jnit	#1			
	Besse Nuclear Power Stat			NO 99-003666-000			
	SR 2. Oak Harbor, OH 43			Repair Organization P.O. N			
	ByToledo Edison C			tamp <u>NR</u>			
<u> </u>	SR 2. Oak Harbor. OH 43	449		on N0. <u>20</u>			
4. Identification of S	Systems <u>Reactor Cool</u>	ant Pump 1-2 P3	•				
5. (a) Applicable C	Construction CodeASM	<u>= III C</u> L1 Edi	ition 19 77	Addendum S	7 <u>8</u>	Code Case	I∕A
•••	Edition of Section XI Utilize		placements	; 19 <u>86</u>			
• • •	ponsibilitiesBW/(P In						
(C) Design nes							
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement Co		nts	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
RCP Seal Cartridge	BW/IP International	196985	N/A	P36-3	19 98	Replaced	Yes
RCP Seal Cartridge	BWAP International	196486	N/A	P36-3	1998	Replacement	Yes
			<u> </u>				
	I	7. Descrip	tion of Work	<u> </u>	<u>.</u>		
Removed existing seal ca	artridge S/N 196985 and replace	d it with a like for like :	spare replacer	ment seal cartridge S/N 1	96486.		
	ge S/N 196486 was rebuilt and b		24-000 prior to	Installation.		. <u></u>	
After Installation, a VT-2	leakage test was performed sati	stactory.				<u></u>	
		····					
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>2157</u>	Pneumatic (NO) psi		inal Operating Press est Temperature	-	-	0)
Pressure Reli	ef Valves:						
	Service_N/A			SizeN/A			
	Opening Pressure			Blowdown (if applic	able)	N/A	
	Set Pressure and Blowdo	wn Aajustments M	ade Using_		est Hedium)		
	at <u>N/A</u>	lists, sketches.		s may be used, prov	ided (1) size is 8% x :	11 in.
1 tos vefermation is	al sheets in the form of n items 1 through 6 on th is recorded at the top of	his report is inc.	luded on ea	ch sheet, and (3) e	ach she	et is numbered a	and the

	FORM NIS-2 /NR-1 / NVR-1
	8. REMARKS Applicable Manufacture in Data Reports to be Attached
A	
	CERTIFICATE OF COMPLIANCE
We certify that the s the ASME Code Se	
Type Code Symbol	NR_ Certificate of Authorization No. 20 Expiration Date 7-17-01
	Stand Nuclear Safety & Inspection Manager Date 5/36/00
Signed WW	Charles of Charles and Charles
	CERTIFICATE OF INSERVICE INSPECTION a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the Schon and American Mutuel Ins. Co. M. Johnston, R.I.
	<u>Ohio</u> and employed by <u>Factory Mutuel Ins. Co. of</u> Johnston, R.I. tents described in this Owner's Report during the period <u>10-31-99</u> to <u>6-1-00</u> , and state
a share hand af much for an	adaa and hallof the Dunar has hallomed examinations and lakely consume measures
tescribed in this Owner's I	legos and beact, and owner the requirements of the ASME Code, Section XI.
	either the Inspector nor his employer makes any warranty, expressed or impiled, concerning the e measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer
maminations and correctly	e measures described in the Owner's Neport, Full territory, instant of an inspect of the on provide the owner's Neport damage or a loss of any kind arising from or connected with
hait be lable in any mark	<i>л</i>
K/M	6-1-00 Commissions <u>NB970 N I A</u> Commissions Date National Board, State, Province and Endorsements
Q	<u>6-1-00</u> Date Commissions <u>N/S910 N L H Confin</u> National Board, State, Province and Endorsements
nspector's Signature	
	CERTIFICATE OF COMPLIANCE
what doubes described ab	ents made in this report are correct and the repair, modification, or replacement of the pressure we conforms to Section XI and Section III of the ASME Code and the National Board rules as
what doubes described ab	and a lattic expect are correct and the most modification, or replacement of the pressure
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reilef device described ab defined in publications NE Ceritficate of Authorizatio Ceritficate of Authorizatio	ents made in this report are correct and the repair, modification, or replacement of the pressure ove conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. No. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , <u>2001</u> No. <u>20</u> to use the "NR" stamp expires <u>July 17</u> , <u>2001</u> Nuclear Safety & <u>Nuclear Safety &</u> <u>Inspection Manager</u>
reilef device described ab defined in publications NE Ceritficate of Authorizatio Ceritficate of Authorizatio	ents made in this report are correct and the repair, modification, or replacement of the pressure ove conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. No. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , <u>2001</u> No. <u>20</u> to use the "NR" stamp expires <u>July 17</u> , <u>2001</u> Nuclear Safety &
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relief device described ab defined in publications NE Certificate of Authorizatio Date 19	ents made in this report are correct and the repair, modification, or replacement of the pressure ove conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. No. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , <u>2001</u> No. <u>20</u> to use the "NR" stamp expires <u>July 17</u> , <u>2001</u> Nuclear Safety & <u>Nuclear Safety &</u> <u>Repair Orgentation</u> <u>Authorard Representative</u> The CERTIFICATE OF INSPECTION & valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and
relief device described ab defined in publications NE Certificate of Authorizatio Date, 19, the undersigned, holding certificate of competency i	ents made in this report are correct and the repair, modification, or replacement of the pressure we conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. INO
refief device described eb defined in publications NE Certificate of Authorizatio Date 19_ , the undersigned, holding pertificate of competency i of <u>Johnston, R.I.</u>	ents made in this report are correct and the repair, modification, or replacement of the pressure we conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. I No
relief device described ab defined in publications NE Certificate of Authorizatio Date 19 , the undersigned, holding certificate of competency i of Johnston, R.I. on 19	ents made in this report are correct and the repair, modification, or replacement of the pressure we conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. I No
relief device described eb defined in publications NE Certificate of Authorizatio Date 19 , the undersigned, holding certificate of competency i of <u>Johnston, R.I.</u> on, 19 constructed in accordance NB-102, current editions.	ents made in this report are correct and the repair, modification, or replacement of the pressure we conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. INO
relief device described ab defined in publications NE Certificate of Authorizatio Date	ents made in this report are correct and the repair, modification, or replacement of the pressure we conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. No
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relief device described ab defined in publications NE Certificate of Authorizatio Date, 19	ents made in this report are correct and the repair, modification, or replacement of the pressure we conforms to Section XI and Section III of the ASME Code and the National Board rules as -65 and NB-102, current editions. No

Page 180

Owner Toledo	Edison Company	(Date	6/2/00		 .	
	dison Ave., Toledo, OH 43		St	neet 1 of <u>4</u>			
	Addies Besse Nuclear Power Stat		Jnit	#1			
				WO 99-4337-008			
	SR 2. Oak Harbor. OH 43			Repair Organization P.O. N			
3. Work Performed	Name			tamp <u>NR</u>			
<u>5501 N</u>	SR 2, Oak Harbor, OH 43	449		on NO20			
			Expiratio	n Date7-17-0	1		
4. Identification of §	Systems <u>Decay Heat a</u>	nd Low Pressure	njection	(Subsys 049-02)	<u> </u>		_
	Construction CodeASMI						A/A
•••	Edition of Section XI Utilize			. 1900			
(c) Design Res	ponsibilitiesToledo E	dison Co. and Vel	an inc.			·	
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	ompone	nts	
	v. Identification of comp						
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	AST Con Star
Gate Valve	Velan Inc.	931109-4	N/A	DH-200	1993	Repair	Ye
Gate Valve	Velan Inc.	931109-3	N/A	DH-201	1993	Repair	Ye
Gate Valve	Velan Inc.	2046	N/A	HP-209	2000	Repair	
Gate Valve	Velan Inc.	2045	N/A	HP-210	2000	Repair	
			╂────		┼╌╌┦		1
		7. Descrip	tion of Work	<u> </u>	<u></u>		
eledo Edison Co Implen	nented Modification \$7-0074-00	Post-LOCA Borio Acid	Precipitation	control) which involved (labrication	and installation	
of an additional new line	to cross-tie High Pressure Injec	tion to Decay Heat. Th	is was to enh	ance Post-LOCA Boric A	cid Precip	Itation capabilities.	
his Work Order directed	the fabrication and installation	n of the new piping and	d valves. Mate	Tast Brassure for the G	CB-10 pp	tion of the system	
of this Work Order. A Hy	drostatic Test was performed a est Pressure for the CCB-38 & C	ner the Installation. I	ne nyelostati				
was 650 psig, and the T	est pressure for the CCD-38 e C			<u></u>			
			•				
		Pneumatic (NO)	Nor	ninal Operating Press	sure (N	0) Other (N	(0)
8. Tests Conducted:	PressureSee Abov	• • •		est Temperature			-
Pressure Rel				SizeN/A			
	-	N/A		Blowdown (if applie	cable)	N/A	
	Opening Pressure Set Pressure and Blowdo						
	set Pressure and Blowdo	wit Aufastitients M	1760 Aprilâ"		Post Hedius)	· · · ·	

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	FORM NIS-2 /NR-1 / NVR	·
	S. REMARKS	Applicable Manufacturers Data Reports to be Attached
elan Inc.		
	······································	
		······································
		CE
We certify that the statements made the ASME Code Section XI.	CERTIFICATE OF COMPLIAN	conforms to the rules of
Type Code SymbolNR	Certificate of Authorization No20	Expiration Date 7-17-01
. Ol W. Stan	Nuclear Safety & Inspection Manager	nun 6/6/2000
Signed 7/2	Owner's: Owner's Designee, This	
	OCOTICATE OF INSERVICE INSPE	CTION
, the undersigned, holding a valid commiss State or Province of Ohio and em	CERTIFICATE OF INSERVICE INSPE sion issued by the National Board of Boiler and Pre- ployed by <u>Factory Mutual Ins. Co.</u> of <u>bo</u> in this Owner's Report during the period <u>21161</u>	CENTR VAREAL INSDACIONS ID THA
nave inspected the components described	in this Owner's Report during the period _2[18]	1) to 618100, and state
	in this Owner is report during the period	
	ates per his employer mokes any warranty, express	sed or implied, concerning the
shall be liable in any manner for any perso	anal injury or property damage or a loss of any kind	arising from or connected with .
his inspection.		
Thomas Lopa	6 8 00 Commissions NB 9330 National Board, 6	NIA COMM.
Inspector's Signature	Date National Board, S	late, Province and Endorsements
	CERTIFICATE OF COMPLIAN	
of amount described above conforms to	is report are correct and the repair, modification, or Section XI and Section III of the ASME Code and	r mnlacement of the pressure
We certify that the statements made in the relief device described above conforms to defined in publications NB-65 and NB-102	is report are correct and the repair, modification, or Section XI and Section III of the ASME Code and	r mnlacement of the pressure
relief device described above conforms to defined in publications NB-65 and NB-102 Certificate of Authorization No	ils report are correct and the repair, modification, or b Section XI and Section III of the ASME Code and 2, current editions. to use the "VR" stamp expires <u>Dec. 13</u>	r replacement of the pressure the National Board rules as
relief device described above conforms to defined in publications NB-65 and NB-102 Certificate of Authorization No	ils report are correct and the repair, modification, or b Section XI and Section III of the ASME Code and 2, current editions. to use the "VR" stamp expires <u>Dec. 13</u>	r replacement of the pressure the National Board rules as , 2001.
relief device described above conforms to defined in publications NB-65 and NB-102 Certificate of Authorization No. <u>316</u> Certificate of Authorization No. <u>20</u>	ils report are correct and the repair, modification, or 5 Section XI and Section III of the ASME Code and 2, current editions. to use the "VR" stamp expires Dec. 13 to use the "NR" stamp expires July 17.	r replacement of the pressure the National Board rules as
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relief device described above conforms to defined in publications NB-65 and NB-102 Certificate of Authorization No Certificate of Authorization No Date, 19, Signed Date, 19, Signed the undersigned, holding a valid commiss certificate of competency issued by the Si of <u>Johnston, R.I.</u> have inspected on, 19 and state that constructed in accordance with Section XI NB-102, current editions. By signing this certificate, neither the Insp repair, modification or replacement descri- liable in any manner for any personal inju-	is report are correct and the repair, modification, or o Section XI and Section III of the ASME Code and 2, current editions. 	r replacement of the pressure the National Board rules as , 2001
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12 RFO Inservice Inspection Summary

First Energy Nuclear Operating, 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: 11/27/77

EORM NPV-1	Required by the	Provisions o	f the ASME C	FOR NUCLEA code, Section II	I, Division 1	Pg. 1 of <u>2</u>
1. Manufactured and	Optified by VELAN		MCARTHUR	STREET, BEC H4T 11	e canada	0204
I. Manufactured and		0000 <i>55</i> 0		dress of N Certificate ROUTE 2, HS;		RBOR, OHIO U
2. Manufactured for			(name and addr	ess of Purchaser)		SE NUCLEAR
3. Location of installa	THE CLE	VELAND ELE	CT.ILLUMIN	ATING CO.	POWER STA	
	B00-7	054B-13MS	P012-90	and address) 9690-N01 I	B .	CRN_N/A
4. Model No., Series	No., or Type	U	rewing	Kev	<u></u>	N/A
5. ASME Code, Secti	ion III, Division 1:	1971	(addenda		2 (class)	(Code Case no.)
	TE VALVE	(edition) Nominal inlet siz	2-1/2	R Outlet size	2-1/2 [#]	10000 0000 110.1
6. Pump or valve	1180 5016		(in.)	SA182 F31	ຍົດມ	564 GR-630(1
7. Material: Body _	A182 F316	Bonnet	D	isk	Balting	A=194 GR-8H
(a)	(6)		(c) ·	(d)		(e)
Cert.	Nat'l		Body	Bonne	t	Dišk
Holder's	Board		Serial	Serial		Serial
Serial No.	No.		No.	No.		No.
			1912	1460	7	5658
#002045	N/A		12 Lot 2051			0834 / 2385
	(HEAT NO	· <u>003</u>		<u></u>		
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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 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 07007-2300.

. . . .

PAG	E	rORM NPV-1 (Back — Pg.	2 of <u>2</u>) Certificate Holder's Serial No. <u>00</u>	2045
•	Design conditions 2500 (pressure Cold working pressure 3750	nsi at 100°F	•F or valve pressure class 1500#	(1)
10.	Hydrostatic test5625(Shell)	psi. Disk differentiel test press	N/A	psi
	Remarks:		· · · · · · · · · · · · · · · · · · ·	
ſ	······	CERTIFICATION OF DE	SIGN	

CERTIFICATION OF D	ESIGN	
Design Specification certified by PAUL N.CARR Design Report certified by NOT REQUIRED	P.E. SOHTO USA Ref. 39003	

	CERTIFICATE OF CO	MPLIANCE
We certify that the statements made i of the ASME Code, Section III, Division N Certificate of Authorization No DateName		Expires HAY 2, 2001 Signed (authorized representative)
		\sim

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <u>QUEBEC</u> and employed by REGIE DU BATIMENT DU QUE. of <u>QUEBEC</u> have inspected the pump, or valve, described in this Data Report on <u>ADUALOG</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 connegligitation of the statement of the statement

(KI) INST'I. Bd. (Incl. endorsements) and state or prov. and no.1 6 Signe Dat Commissions uthorized Inspector)

(1) For manually operated valves only.

Page 184

EORMANPV-1 CERTIFICA. .OLDERS' DATA REPORT FOR NUCLES JMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1 Bout of 2

· · · · · · · · · · · · · · · · · · ·	-				18.101
	<u></u>	550 McART	HUR STREET,		00204
1. Manufactured and cert	VELAN	INC. MONTREAL,	OUEBEC H4T	1X8 CANADA	
1. Manufactured and cen		(nam	a and address of N Cert	Ticate Plokderi	
2. Manufactured for	ST ENERGY C	ORP. 5501 N.S.	ATE ROUTE 2,	MS3 OAK I	HARBOR, OHIO US
2. Manufactured for			and address of Purchase		ATTON
	THE CLEV	ELAND ELECT.IL		-	
3. Location of installation	n	-	(name and address)		. N/A
	B09-30	54B-13MS PO	12-909690-NOL	ev. <u>B</u>	
4. Model No., Series No.				2	N/A
5. ASME Code, Section		19/1	NTER 1972		fCode Case no.)
		(edition)	(addenda date) 2-1/2 ^M Outle	(class) 2-1/	
6. Pump or valve	VALVE	Nominal Inlet size		et size	
0. Funp of Verte		SA182 F316	Disk <u>SA182</u>	F216 S	A-564 GR-630(H1
7. Material: Body	82 F310	Bonnet	Disk	Bai	SA-194 GR-8M
7. Naterion 2007					
(8)	(b)	(c)		(d)	(e)
Cert.	Nat'l	Body		Bonnet	Disk Ostal
Holder's	Board	Serial		Serial	Serial
Serial No.	No.	No.		No.	No.
#002046	N/A	5911	1	4630	5780
#002040	(HEAT]	lo.: 26285 Lot	7187; \$0500	Test 3974;	30834 / 23858)
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	<u></u>				·
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*Supplemental information in form of lists, akatches, or drawings may be used provided (1) size is 8% × 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 aheets 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 07007-2300.

CE		Certificate Holder	s Serial No.
. Design conditions _2500	psi600	F or valve pressure	class 1500#
(pressu		ret .	
. Cold working pressure 3750	psi at 100°F		
Hydrostatic test	psi. Disk differential test (pressure	N/A
. Remarks: LINE#5, (page-	-1): EXCEPT MATERIA	AL SPEC.SUPPLIED I	S TO ASHE SEC.
PART-	-A CODE EDITION 198	89; ADDENDA: NONE	
	CERTIFICATION		
Design Specification certified by	PAUL N.CARR NOT REQUIRED	P.E. State	-
Design Report certified by	NUL REQUIRED	P.E. State	Neg. no
of the ASME Code, Section III, Divi	sion 1.	that this pump or valve confor	
of the ASME Code, Section III, Divi	te in this report are correct and t sion 1. N2797–2 (N) VELAN INC.	that this pump or valve confor Expires Signed	
of the ASME Code, Section III, Divi N Certificate of Authorization No	e in this report are correct and t sion 1. N2797–2 (N)	that this pump or valve confor Expires Signed	HAY 2, 2001
of the ASME Code, Section III, Divi N Certificate of Authorization No	te in this report are correct and t sion 1. N2797–2 (N) VELAN INC.	that this pump or valve confor Expires Signed Tillier text	HAY 2, 2001
of the ASME Code, Section III, Divi N Certificate of Authorization No Date Authorization No Name	le in this report are correct and t sion 1. N2797–2 (N) VELAN INC. (N Certificate Holder) CERTIFICATE OF	that this pump or valve confor Expires Signed Hill text INSPECTION	MAY 2, 2001
of the ASME Code, Section III, Divi N Certificate of Authorization No Date () () () () () () () () () () () () ()	le in this report are correct and t sion 1. N2797-2 (N) VELAN INC. (N Centificate Holder) CERTIFICATE OF d commission issued by the N	INSPECTION ational Board of Boller and I end employed by REGIE	MAY 2, 2001
I, the undersigned, holding a value the State or Province of <u>QUEBS</u> of <u>QUEBEC</u> of <u>QUEBEC</u>	le in this report are correct and t sion 1. N2797-2 (N) VELAN INC. (N Centificate Holder) CERTIFICATE OF d commission issued by the N EChave in have in hand state that to the best of	INSPECTION ational Board of Boller and in end employed by REGIE ispected the pump, or valve, of my knowledge and belief,	MAY 2, 200: Dec. horized representative)
of the ASME Code, Section III, Divi N Certificate of Authorization No Date Galan Name Date Galan Name Name Name Name Name	le in this report are correct and t sion 1. N2797-2 (N) VELAN INC. (N Centificate Holder) CERTIFICATE OF d commission issued by the N EChave in have in hand state that to the best of	INSPECTION ational Board of Boller and in end employed by REGIE ispected the pump, or valve, of my knowledge and belief,	MAY 2, 2001 Dec. A contractive and the second secon
of the ASME Code, Section III, Divi N Certificate of Authorization No Date 6 Date 6 Date 6 Date 6 Date 6 Date 6 Date 6 Date 6 Date 6 Name Name Name Name Name Name Name Name Name Name Name Name Name Date 6 Name Name Date 6 Name	le in this report are correct and t sion 1. N2797-2 (N) VELAN INC. (N Certificate Holder) CERTIFICATE OF 4 commission issued by the N EC have in have in have that to the best of cordance with the ASME Code, the inspector nor his employed	INSPECTION ational Board of Boller and I and employed by REGIE spected the pump, or valve, of frw knowledge and belief, Section III, Division 1.	MAY 2, 200: Mar 2, 200: Monized representative) Pressure Vessel Inspec DU BATIMENT DU described in this Data R the Certificate Holder is ssed or Implied, concert
of the ASME Code, Section III, Divi N Certificate of Authorization No Date	le in this report are correct and t sion 1. N2797-2 (N) VELAN INC. (N Certificate Holder) CERTIFICATE OF d commission issued by the N EC have in have in have that to the best of cordance with the ASME Code, the inspector nor his employed Report. Furthermore, neither th	INSPECTION ational Board of Boller and in and employed by REGIE ispected the pump, or valve, of fmy knowledge and belief, Section III, Division 1.	HAY 2, 2001 Decident of the second of the se
of the ASME Code, Section III, Divi N Certificate of Authorization No Date 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	le in this report are correct and t sion 1. N2797-2 (N) VELAN INC. (N Certificate Holder) CERTIFICATE OF d commission issued by the N EC have in have in have that to the best of cordance with the ASME Code, the inspector nor his employed Report. Furthermore, neither th	INSPECTION ational Board of Boller and I and employed by REGIE spected the pump, or valve, or of my knowledge and belief, Section III, Division 1.	HAY 2, 2001 Decident of the second of the se

Page 186

931109

FORM NPV-1 CERTIFICA, E HOLDERS' DATA REPORT FOR NUCLE... (PUMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of _

		UC. 2125 WAS	D AVE MTI	CANADA
			s of N Certificate Hold	deri
2. Manufactured for	Ben Duch	EAR SERVICE	of Purchaser)	REVISED COPY Blockyin of Sol
3. Location of installation	A[4 nc		d address)	120 23/31
4. Model No., Series No	., or Type GIATE	Drawing PJ-76800-		EX CRN AL
5. ASME Code, Section	III. Division 1:	Brow - man		s) (Code Case no.)
6. Pump or valve	(e.u.	1.1	Outlet size	11a 80.)
7. Material: Body SA	-182, FSNa Bonnet.	SA-182, F310 Disk	<u>58-351,CF8H</u>	L Bolting 51-544, 6301 51-194, 68.8M
(2)	(6)	(c)	(d)	(e)
	Nat'l	Body	Bonnet	Disk
Cart. ,	Board	Serial	Serial	Serial
Holder's	No.	No.	No.	No.
Serial No.			NC: KE	HIC: 28K
931109.1		<u>Alc: Ass</u>		*
* -2	<u> </u>			
* -3	*	*		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
4- 4	<u> </u>	<u> </u>		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
* -5	*	······································		
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				(2) Information in Kerns 1 through 4

* Supplemental information in form of lists, skatches, or drawings may be used provided (1) size is 8% × 11, (2) information in kerns 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.

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9.5

2 RFO Inservice Inspection Summary First Energy Nuclear Operating, 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: 11/27/77	Page 188
rURM NPV-1 (Back - Pg. 2 of)	931109 _{९.७}
Certificate Holder's Serial No	
8. Design conditions <u>4055</u> psi <u>100</u> •F or valve pressure class <u>(pressure)</u> 9. Cold working pressure <u>4055</u> psi at 100°F 10. Hydrostatic test <u>6875</u> psi. Disk differential test pressure <u>4600</u> #11. Remarks: <u>4606</u> VALUES OKIGINATING CERTIFIES 7 19.86_ED	psi
REVISED COPY Aladingun	1.959224
Design Specification certified by <u>J.H. FARSELL</u> P.E. State <u>QUE</u> Reg. no Design Report certified by <u>SISBNSKY</u> P.E. State <u>QUE</u> Reg. no	20057

CERTIFICATE OF COMPLIA	NCE
We certify that the statements made in this report are correct and that this f of the ASME Code, Section HI, Division 1.	pump or valve conforms to the rules for construction
N Certificate of Authorization No. N-ATST-1 Date 12 A 21/13 Name VELAN INC. (N Certificate Holder)	Signed Buthorized representative)

	CERTIFICATE OF INSPECTION
the State or Province of of May - 21 - 9	a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
By signing this certificate, (neither the inspector nor his employer makes any warranty, expressed or implied, concerning th s Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner fo inty damage or a loss of any kind arising from or connected with this inspection.
	Commissions

(1) For manually operated valves only.

FORM	NIS-2 / NR-1 / -NVR-1 As Required	OWNER'S REP by the Provisions	of the ASM	R REPAIRS OR E Code Section XI	REPL	ACEMENTS			
. Owner Toledo	Edison Company		Date	5/30/00					
	dison Ave Toledo. OH 4:		S	heet 1 of <u>1</u>					
	Address Besse Nuclear Power Stat		_ Unit # 1 WO 99-004337-009						
	, SR 2. Oak Harbor, OH 43								
	By		vpe Code S	Repair Organization P.O. N					
	Name SR 2. Oak Harbor. OH 43			ion N020_					
000111	Márea		Expiratio	on Date7-17-0	1				
(Identification of 6	Systems Decay Heat &	Low Pressure ini	ection	(Subsys 049-02)					
			ition 19 <u>67</u>			Code Case N	/A		
• •	Construction Code <u>ANSI</u>								
• • • • • •	Edition of Section XI Utilize		placements	5 18 <u>00</u>					
(c) Design Res	ponsibilities <u>Toledo E</u>	dison Co.				<u> </u>			
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	ompone	nts			
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		
Pipe Supports	Toledo Edison Co.	N/A	N/A	N/A	2000	Repaired	No		
							1		
		 							
		7. Descrip	tion of Worl	<					
foledo Edison Co Implen	nented Modification 97-0074-00	which installed a new i	2 1/2" pipe line	CCB (Boric Acid Precip	ation) tied	new pine supports	per this		
lping system per WO 99	4337-008. The Implemenation of	of this modification als	o required the	work order 99-004337-0	09.				
Fork order 99-004337-00	9. All materials installed are refe was performed satisfactory on	all five new supports.							
After Installation, E VI-S	was performed sademotery on			<u> </u>					
	•								
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO) psi		ninal Operating Press est Temperature) ,		
Pressure Reli									
	0011100			Size <u>N/A</u>					
	Opening Pressure			Blowdown (if applic	able)	N/A			
	Set Pressure and Blowdo	wn Adjustments M	ade Using_	N/A	wet Hedium 1				
1	-1 N7A								
	at N/A			Location)		· · · · · · · · · · · · ·	1 in.		

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	FORM NIS-2 /NR-1 /	11111-1
	8. REMARKS	Applicable Manufacturars Data Reports to be Attached
/A		
		······································
	CERTIFICATE OF COM	IPLIANCE
We certify that the statements made in the the ASME Code Section XI.	report are correct and this repair.	conforms to the rules of
Type Code Symbol <u>NR</u> Cert	ficate of Authorization No20	
Signed Q. W. Starment	Nuclear Safety & Inspection Mana	$\frac{1}{2000} Date \frac{5/30}{19} \frac{1000}{19}$
Owner or	Owner's Designee, Thie	
I, the undersigned, holding a valid commission is: State or Province of <u>Ohio</u> and employed have inspected the components described in this that to the best of my knowledge and belief, the G described in this Owner's Report in accordance w By signing this certificate, neither the inspector me examinations and corrective measures described shall be liable in any manner for any personal light	by <u>Factory Mittal its</u> , <u>Co.</u> of Owner's Report during the period <u>co</u> Owner has performed examinations a with the requirements of the ASME Co or his employer makes any warranty, by the Owner's Report Futbermere	and Pressure Vessel Inspectors in the Johnston, R.I. 2-7-7-70_to _6-1-700_, and state and taken corrective measures ode, Section XI. expressed or Implied, concerning the a neither the Inspector nor his employer
Inspectors Signature	-/-m Commissions <u>/// 950</u> Date National	Board, State, Province and Endorsements
We carlify that the statements made in this same	CERTIFICATE OF COM	ation, or replacement of the pressure
We certify that the statements made in this reporelief device described above conforms to Sector defined in publications NB-65 and NB-102, currer Certificate of Authorization No316 to Certificate of Authorization No20 to Date, 19, Signed Teleod Report	on are correct and the repair, modification XI and Section III of the ASME Count editions.	ation, or replacement of the pressure de and the National Board rules as <u>Dec. 13, 2001</u> . <u>Juty 17, 2001</u> . Nuclear Safety & Inspection Manager
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date 19 Signed Teled	on are correct and the repair, modification XI and Section III of the ASME Count editions. To use the "VR" stamp expires to use the "NR" stamp expires to use the "NR" stamp expires	ation, or replacement of the pressure ide and the National Board rules as Dec. 13, 2001. Juty 17, 2001. Nuclear Safety & Inspection Manager twe This
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No16 Certificate of Authorization No0 to Certificate of Authorization No0 to Certificate of Authorization No0 to Certificate of Authorization No0 to Certificate of Authorization No0	on tare correct and the repair, modification XI and Section III of the ASME Count editions. To use the "VR" stamp expires	ation, or replacement of the pressure de and the National Board rules as Dec. 13, 2001 Juty 17, 2001 Nuclear Safety & Inspection Manager twe This
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Repet	on XI and Section III of the ASME Count editions. The use the "VR" stamp expires to use the "NR" stamp expires to Edison Cognization CERTIFICATE OF INSI sued by the National Board of Boller	ation, or replacement of the pressure de and the National Board rules as Dec. 13 2001. Juty 17 2001. Nuclear Safety & Inspection Manager two This
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Repart I, the undersigned, holding a valid commission is certificate of competency issued by the State or	on XI and Section III of the ASME Count editions. The use the "VR" stamp expires to use the "NR" stamp expires to Edison Cognization CERTIFICATE OF INSI sued by the National Board of Boller	ation, or replacement of the pressure de and the National Board rules as Dec. 13 2001 Juty 17 2001 Nuclear Safety & Inspection Manager two This PECTION and Pressure Vessel Inspectors, and ed by
relief device described above conforms to Section defined in publications NB-65 and NB-102, currer Certificate of Authorization No 18 to Certificate of Authorization No 19, Signed to Date, 19, Signed Toled Repet, 19, Signed Toled, 19, Signed, Repet, 19, Signed, repet, repet, not state of competency issued by the State or of, 18 have inspected the repet con, 18 have inspected the report, 18 and state that to the constructed in accordance with Section XI and S	In the correct and the repair, modified on XI and Section III of the ASME Co- ont editions. In use the "VR" stamp expires	ation, or replacement of the pressure de and the National Board rules as Dec. 13 2001 Juty 17 2001 Nuclear Safety & trapection Manager trapection Manager trapectors, and ed byFactory Mutual Ins. Co.* escribed in this report s remain, modification, or replacement has been made or
relief device described above conforms to Section defined in publications NB-65 and NB-102, current certificate of Authorization No Mathematicate of Authorization No Mathematicate of Authorization No Mathematicate of Authorization No Mathematicate of Certificate of Cer	And and Section III of the ASME Count and Section III of the ASME Count editions. Do use the "VR" stamp expires	ation, or replacement of the pressure de and the National Board rules as Dec. 13 2001 Juty 17 2001 Nuclear Safety &
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No MCCCCCCCCCCCCCCCCCCCCCCCCCCCC	In the end of the repair, modified on XI and Section III of the ASME Count editions. In use the "VR" stamp expires	ation, or replacement of the pressure de and the National Board rules as Dec. 13 2001 Juty 17 2001 Nuclear Safety &
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No MC	Autodized Representation III of the ASME Count editions. Do use the "VR" stamp expires	ation, or replacement of the pressure de and the National Board rules as Dec. 13 2001 Juty 17 2001 Nuclear Safety &

1. OwnerToledo	Edison Company		Date	10/26/1999	9	<u> </u>			
300 Ma	Nume dison Ave., Toledo, OH 4	13652							
	Addiene Besse Nuclear Power Sta								
	5501 N. SR 2. Oak Harbor. OH 43449								
	ByToledo Edison			Repair Organization P.O. No Stamp <u>NR / V</u>		NC.			
	Nerve		••	ration N020 / 31					
<u>5501 N</u>	<u>, SR 2, Oak Harbor, OH 4</u>	.3449							
			•	ation Date					
4. Identification of	SystemsREACTOR C	OOLANT SYSTEM	SPARE P	RESSURIZER SAFE	<u>TY VAI</u>	<u>VE (RC13B)</u>			
5. (a) Applicable	Construction Code <u>ASM</u>	<u>E III CL1</u> Ed	ition 19 <u>74</u>	Addendum 7	4	Code Case	A		
•									
•	Edition of Section XI Utili					•			
(c) Design Res	ponsibilities <u>CROSB</u>	Y VALVE & GAGE	COMPANY						
· · · · · · · · · · · · · · · · · · ·	6. Identification of Comp		Replaced	and Bapiacement (Compo	nents			
	5. Identification of Comp	Interes Repaired C	A Replaced	and replacement					
Mame of Component	Name of Manufacturer	Manufacturer's	National	Other	Year Built	Repaired Replaced or Replacement	25 Co		
		Serial NO.	Board NO.	Identification/ Jurisdictional NO.	BUILE	-	Star		
DISC INSERT	CROSBY	NA	NA	N94141-33-0004	NA	Replacement	N		
SPRG WSR ASSY	CROSBY	NA	NA	K58655-34-0004	NA	Replacement			
			<u> </u>				┼──		
	·				1				
		7. Descript	tion of Worl	L	Į		.		
	SETY VALVE RC138 . DENTI	FIED BY SERIAL NUME	BER N59303-0	0-0001, WAS REBUILT	REPLAC	ING THE DISC INSERT	-		
PARE PRESSURIZER S			TESTED WITH	IIN NORMAL OPERATING	A PRESS	URE AND TEMPERAT	URE		
PARE PRESSURIZER SA AND SPRING WASHER A	SSEMBLY. THE VALVE WAS	rmen bet ptessure							
AND SPRING WASHER A RANGES . VALVE TESTE	SSEMBLY. THE VALVE WAS ' D SATISFACTORY.	· · · · · · · · · · · · · · · · · · ·							
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CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and the status Type Code Serion X. Type Code Series and the status of Authorization No		-2 /NR-1 / NVR-1
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are connet and file Explain Connet to the order of the state state in the state in the state of the order of the state state in the state of the order state or the state state in the state state in the state or the	8. RE	MARKS Applicable Manafacturers Data Reports to be Atlanthed
We call by that the statements made in the report are correct and this total. Conforma to the rules of the RAME Code Section X. Type Code Symbol	A	
We call by that the statements made in the report are correct and this total. Conforma to the rules of the RAME Code Section X. Type Code Symbol		
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We call by that the statements made in the report are correct and this total. Conforma to the rules of the RAME Code Section X. Type Code Symbol		
Type Code Symbol NI Certificate of Authorization No. 20 Expiration Date 717-01 Signed Signed Mudger Eatery & Important Date CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boler and Pressure Vessel Inspectors in the province of	CERTIFICA	TE OF COMPLIANCE
Type Code Symbol Nill Centrated of Autobiotzation No. Date ////8 10 9.9 Signed QMM_Stand Nuclear Barley & Impaction Manager Order down Research Date ///8 10 9.9 Signed QMM_Stand Date Stand Board	We certify that the statements made in the report are correct and the ASME Code Section XI.	this <u>repair</u> conforms to the rules of
	Type Code SymbolNR Certificate of Authorization N	
the undersigned, holding a valid commission issued by the National Board of Boiter and Pressure Vessel Inspectors in the main or province and health, etc. Owner has particulate and taken concercive measures assoribed in this Owner's Report during the period <u>4</u> [<u>4</u>][<u>4</u>][<u>4</u>], and state at the base of my knowledge and health, etc. Owner has particulate and taken concerctive measures assoribed in this Owner's Report during the period <u>4</u> [<u>4</u>][<u>4</u>][<u>4</u>], and state at the head concertive measures assoribed in this Owner's Report during the period <u>4</u> [<u>4</u>][<u></u>		nspection Manager Date 11/8 19.99
the undersigned, holding a valid commission issued by the National Board of Boiter and Pressure Vessel Inspectors in the main or province and health, etc. Owner has particulate and taken concercive measures assoribed in this Owner's Report during the period <u>4</u> [<u>4</u>][<u>4</u>][<u>4</u>], and state at the base of my knowledge and health, etc. Owner has particulate and taken concerctive measures assoribed in this Owner's Report during the period <u>4</u> [<u>4</u>][<u>4</u>][<u>4</u>], and state at the head concertive measures assoribed in this Owner's Report during the period <u>4</u> [<u>4</u>][<u></u>	CERTIFICATE OF	INSERVICE INSPECTION
at to the best of my knowledge and belief, the Owner has perioding the exciting exciting and audit output indexides y signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the cardinations and controctive measures described in the Owner's Report. Furthemore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the cardinations and corrective measures described in the Owner's Report. Furthemore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the cardinations and corrected with is hepedion. The Date United any manner for any personal liquy or property damage or a loss of any kind etailing from or connected with is hepedion. The Date Commissions NB 9130 N I A The Date Commissions NB 9130 N I A CERTIFICATE OF COMPLIANCE Control Expression OH/O Ve certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure allot device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as lating the data of Authorization No. 315 to use the "VR" stamp expires DBC. 13 2001 Certificate of Authorization No. 316 to use the "VR" stamp expires DBC. 13 2001 Certificate of Authorization No. 315 to use the "VR" stamp expires DBC. 13 2001 Certificate of Authorization No.	and the state of the second second second by the Notional Bo	and of Roller and Pressure Vessel Inspectors in the
at to the best of my knowledge and belief, the Owner has periodined with the sequence with with the sequence with the sequence with the sequenc	tate or Province ofOhio_ and employed byProtection is	the period 9 21 99 to 11999, and state
Section of this Owner's Report in accordance with the requirements of the ASME Code, Section XI. y signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning Tie archinators are decorded: measures described in the Owner's Report. Furthermore, neither the Inspector nor his employer will be lable in any manner for any personal injury or property damage or a loss of any kind artising from or connected with is inspection. <u>The Donod</u> <u>Juga</u> <u>III 1999</u> Commissions <u>NE 97350</u> <u>N T A</u> <u>CORMA</u> . <u>CORMANNATIONE</u> <u>CERTIFICATE OF COMPLIANCE</u> Ve certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure elifed davic described above conforms to Section X and Section II of the ASME Code and the National Board rules as leftined in publications ND-05 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "NR" stamp expires <u>Dec. 13</u> <u>2001</u> Date <u>III/E</u> 19 <u>99</u> Signed <u>Teledo Edison</u> <u>Mathematication</u> replacement of the pressure elifed davic described above conforms to Section X and Section II of the ASME Code and the National Board rules as leftined in publications ND-05 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "NR" stamp expires <u>Dec. 13</u> <u>2001</u> Date <u>III/E</u> 19 <u>99</u> Signed <u>Teledo Edison</u> <u>Mathematication pressure Vessel Inspectors, and erdificate of competency lasued by the State or Province of <u>Ohio</u> and employed by <u>Protection Matual"</u> the andersigned, holding a valid commission issued by the National Board rules as defined in this report notificate of competency lasued by the State or Province of <u>Ohio</u> and employed by <u>Protection Matual"</u> the ARME to demonster the Inspector nor his employer makes any warranty, expressed or Implied, concerning the opatin. Mathematication or enplacement described in the section NB-65 e ED-102, current editions. Sy egring this certificate, neither the Inspector nor his employer makes any warranty, </u>	hat to the heat of my knowledge and bellet. The OWDet has belloting at	amphations and taken confective measures
cardinations and corrective measures described in the Owner's Report. Furthermore, notified the inspector nor na simplayer all be table in any manner for any personal injury or property damage or a loss of any kind artsing from or connected with is hepection. apactor's Bignature UMAN CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure ellef device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as leftined in publications NB-65 and NB-102, current editions. Determine the estatements made in this report are correct and the repair, modification, or replacement of the pressure ellef device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as leftined in publications NB-65 and NB-102, current editions. Determine the "VR" stamp expires	escribed in this Owner's Report in accordance with the requirements of	the ASME Code, Section XI.
cardinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor na simpleyer mails be table in any manner for any personal injury or property damage or a loss of any kind arising from or connected with is hepection. millional beaking Initial beaki	to similar this partition to maither the Insportor por his amplover makes :	inv warranty, expressed or implied, concerning the
Pail be table in any manner for any personal injury or property damage or a loss of any kind arising from of connected with is hepection. Image: Connected With is hepection. Thomos Jack Image: Connected With is hepection. OHOO Thomos Jack Image: Connected With is hepection. OHOO Commissions NB 9330 N I A OHOO Control Signature Date Commissions NB 9330 N I A OHOO Control Signature Date Control State, Province and Endorsements OHOO OHOO Control Signature Date Control State, Province and Endorsements OHOO OHOO Value and the statements made in this report are correct and the repair, modification, or replacement of the pressure elled device described above conforms to Sociaton XI and Section III of the ASME Code and the National Board rules as allond in publication No. 316 to use the "NR" stamp explices	mulations and compating managing described in the Owner's Report.	Furthermore, neither the inspector nor his employer
IIIAIA Commissions NB 933Ø N F A COMMANNEL National Board, State, Province and Endorsements CERTIFICATE OF COMPLIANCE Ve certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure elife device described above conforms to Section XI and Section XI an	hail be liable in any manner for any personal injury or property damage	or a loss of any kind arising from or connected with
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure effect device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as lefted in publications ND-65 and ND-102, current editions. Deritificate of Authorization No16	his inspection.	0H10
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure effect device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as lefted in publications ND-65 and ND-102, current editions. Deritificate of Authorization No16	Thomas & Japa 11/9/99 commission	B NB 9330 N I A COMM.
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure elief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as leftined in publications NB-65 and NB-102, current editions. Certificate of Authorization No10 use the "VR" stamp expires2001 Certificate of Authorization No20	spector's Signature U Date	National Board, State, Province and Endorsements
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Certificate of Authorization No20to use the "NR" stamp expiresMty 172001 Nuclear Safety & inspection Manager Nuclear Safety & inspection Manager Nuclear Safety & inspection Manager Report Organization	We certify that the statements made in this report are correct and the re relief device described above conforms to Section XI and Section III of the defined in publications NB-65 and NB-102, current editions.	pair, modification, or replacement of the pressure ne ASME Code and the National Board rules as
Date 11/8 19 99 Signed Toledo Edison Import Orgentation Import Orgentation Import Orgentation Neper Orgentation Memory Description Date 11/8 CERTIFICATE OF INSPECTION The Import Orgentation CERTIFICATE OF INSPECTION The Orgentation Certificate of competency issued by the State or Province of		
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CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and entificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> . If <u>Park Ridge, Illinois</u> have inspected the repair, modification, or replacement described in this report n <u>NOV.9</u> , 19,99, and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or onstructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 a IB-102, current editions. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the spair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. The model of the mathematicate of a loss of any kind arising from or connected with his inspection. Mathematication is an employee or a loss of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind arising from or connected with his inspection. Mathematication is a set of any kind ar	e un et autorienten No. 20 to une the "NB" stamp av	mines July 17 . 2001
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the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and ertificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> . t <u>Park Ridge</u> , <u>Hinois</u> have inspected the repair, modification, or replacement described in this report n <u>NOV.9</u> , 1999, and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or onstructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 e IB-102, current editions. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the epair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be table in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his Inspection. <u>The true of the sectors Signature</u> <u>High</u> <u>Commissions</u> <u>NB9350</u> <u>NIFA</u> . <u>OffiO</u> COHLM.	Certificate of Authorization No. <u>20</u> to use the "NR" stamp and Date /// 8 19 9 7 Signed Toledo Edison	pires
ertificate of competency issued by the State or Province of <u>Oho</u> and employed by <u>Protection Mutual</u> . <u>t Park Ridge, Illinois</u> have inspected the repair, modification, or replacement described in this report <u>NOV.9</u> , 1999 and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or onstructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 a IB-102, current editions. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the epair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be table in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. <u>Therman</u> <u>High99</u> <u>Commissions</u> <u>NB9350</u> <u>NIFA</u> <u>OHIO</u> COMM.	Certificate of Authorization No. <u>20</u> to use the "NR" stamp and Date /// 8	pires
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By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the epair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. The most of the personal injury or property damage or a loss of any kind arising from or connected with his inspection. The most of the personal injury or property damage or a loss of any kind arising from or connected with his inspection. The most of the personal injury or property damage or a loss of any kind arising from or connected with his inspection. Mathematical inspector's Signature bate bate bate bate bate bate bate bat	Certificate of Authorization No. <u>20</u> to use the "NR" stamp ex Date <u>11/8</u> , 19 <u>99</u> , Signed <u>Toledo Edison</u> Neper Orgentation CERTIFIC, the undersigned, holding a valid commission issued by the National Bo estilicate of competency issued by the State or Province of <u>Ohio</u> of <u>Park Ridge</u> , Illinois have inspected the repair, modification, or rep	pires 2001 Schem Nuclear Safety & Inspection Manager THE ATE OF INSPECTION ward of Boiler and Pressure Vessel Inspectors, and and employed by Protection Mutual * placement described in this report
epair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with his inspection. <u>Therman B</u> <u>Hala</u> <u>Hala</u> <u>Commissions</u> <u>NB9358</u> <u>NIA</u> Offio National Board, State, Province and Endorsements	Certificate of Authorization No. <u>20</u> to use the "NR" stamp ex Date <u>11/8</u> , <u>19, 9.7</u> , Signed <u>Toledo Edison</u> <u>Neper Orgenzation</u> CERTIFIC, the undersigned, holding a valid commission issued by the National Bo certificate of competency issued by the State or Province of <u>Ohio</u> of <u>Park Ridge, Illinois</u> have inspected the repair, modification, or rep on <u>NOV.9</u> , <u>19, 9.9</u> , and state that to the best of my knowledge a constructed in accordance with Section XI and Section III of the ASME C	pires
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his Inspection. Thomas & Pops 11999 Commissions NB9350 NIA OHIO COMM. National Board, State, Province and Endorsements	Certificate of Authorization No to use the "NR" stamp and Date, 19_97, Signed Toledo Edison Date, 19_97, Signed Toledo Edison Neper Organization CERTIFICA , the undersigned, holding a valid commission issued by the National Boo certificate of competency issued by the State or Province of of Park Ridge, Illinois have inspected the repair, modification, or rep on NOV. 9, 19_99, and state that to the best of my knowledge a constructed in accordance with Section XI and Section III of the ASME C NB-102, current editions.	piresNutly 172001 Nuclear Safety & inspection Manager THE ATE OF INSPECTION hard of Boller and Pressure Vessel Inspectors, and and employed byProtection Mutual * blacement described in this report and belief, this repair, modification, or replacement has been made or kode and the National Board rules as defined in the publication NB-65 a
Themas & Gas H 9199 Commissions NB9350 N I A COMM. Authorized Inspector's Signature Dats Data National Board, State, Province and Endorsements	Certificate of Authorization No. <u>20</u> to use the "NR" stamp at Date <u>11/8</u> , 19 <u>97</u> , Signed <u>Toledo Edison</u> Neper Orgenzation <u>Authorization</u> CERTIFIC , the undersigned, holding a valid commission issued by the National Bo certificate of competency issued by the State or Province of <u>Chio</u> of <u>Park Ridge</u> , <u>llinois</u> have inspected the repair, modification, or rep on <u>NOV.9</u> , 19 <u>99</u> and state that to the best of my knowledge a constructed in accordance with Section XI and Section III of the ASME C VB-102, current editions.	pires
Authorized Inspector's Signature U Data National Board, State, Province and Endorsements	Certificate of Authorization No. <u>20</u> to use the "NR" stamp at Date <u>11/8</u> , 19 <u>97</u> , Signed <u>Toledo Edison</u> Neper Orgenzation <u>CERTIFIC</u> , the undersigned, holding a valid commission issued by the National Bo certificate of competency issued by the State or Province of <u>Ohio</u> of <u>Park Ridge</u> , <u>llinois</u> have inspected the repair, modification, or rep on <u>NOV.9</u> , 19 <u>99</u> and state that to the best of my knowledge a constructed in accordance with Section XI and Section III of the ASME C NB-102, current editions.	pires
	Certificate of Authorization No to use the "NR" stamp and Date, 19_97, Signed Toledo Edison MM 	pires
	Certificate of Authorization No. <u>20</u> to use the "NR" stamp and Date <u>11/8</u> , 19 <u>9</u> , Signed <u>Toledo Edison</u> <u>Mutotas</u> <u>Reper Organization</u> <u>Authorization</u> <u>Reper Organization</u> <u>Authorization</u> <u>CERTIFIC</u> , the undersigned, holding a valid commission issued by the National Bo certificate of competency issued by the State or Province of <u>Otio</u> of <u>Park Ridge</u> , <u>Illinois</u> have inspected the repair, modification, or rep on <u>NOV.9</u> , 19 <u>9</u> and state that to the best of my knowledge a constructed in accordance with Section XI and Section III of the ASME C NB-102, current editions. By signing this certificate, neither the inspector nor his employer makes repair, modification or replacement described in this report. Furthermor liable in any manner for any personal injury or property damage or a los this inspection. <u>The mail</u> <u>Authorization</u> <u>NIN</u> <u>Commiss</u>	pires
* FACTORY MUTUAL INS. CO.	Certificate of Authorization No to use the "NR" stamp at Date, 19_97, Signed Toledo Edison Date, 19_97, Signed Toledo Edison Menorogenzation CERTIFICA the undersigned, holding a valid commission issued by the National Bo certificate of competency issued by the State or Province of the undersigned, holding a valid commission issued by the National Bo certificate of competency issued by the State or Province of of Park Ridge, Illinois have inspected the repair, modification, or rep on, 19_99, and state that to the best of my knowledge a constructed in accordance with Section XI and Section III of the ASME CONB-102, current editions. By signing this certificate, neither the inspector nor his employer makes repair, modification or replacement described in this report. Furthermore liable in any manner for any personal injury or property damage or a loss this inspection.	pires

. Owner <u>Tole</u>	lo Edison Company		Date	3/16/00				
	adison Ave., Toledo, OH 4							
	-Besse Nuclear Power Sta							
	N. SR 2. Oak Harbor. OH 4			WO 99-005147-056				
	Work Performed By			Repair Organization P.O. No StampNR				
5501				zation N020				
			-	ation Date <u>7-17-0</u>				
4. Identification c	f Systems <u>Containtmen</u>	t Spray System	33A-HCB-3	1-H15 A-97 (Subs	<u>ys 061</u>	-01)		
5. (a) Applicable	Construction Code _ANS!	<u></u> Ed	lition 19 <u>67</u>	Addendum N	<u>/A</u>	Code Case <u>N</u>		
	Edition of Section XI Utilia		Renisceme	nts 19 86				
•••••			перисение	140 10 <u></u>		•		
(c) Design Re	sponsibilities ITT Grin	nell						
	6. Identification of Comp	onante Renaired :	Replaced	and Replacement (Compo	nents		
	o. Identification of Comp	unatta nepandu l						
lame of Component	Name of Manufacturer	Manufacturer's	National	Other	Year	Repaired Replaced	AS	
		Serial NO.	Board NO.	Identification/ Jurisdictional NO.	Built	or Replacement	Star	
Snubber	ITT Grinnell	30513	N/A	A-97	Unk		N	
Snubber	fit Grinnell	17655	N/A	A-97	Unk	Replacement		
			<u> </u>	l				
	· · · · · · · · · · · · · · · · · · ·		<u> </u>					
<u></u>								
		7. Descript	tion of Worl	<u>ا</u>	L	<u>. </u>	<u>.</u>	
r Grinnell hydraulic s	ubber S/N 30513 was removed a	ind replaced with a lik	e-for-like snut	ber \$/N 17655.				
placement snubber 6	N 17655 was rebuilt by WO 99-0	05150-001. Replacem	ent snubber w	as functionally tested as	tisfactor	ry prior to installation.		
<u> </u>								
	•							
	•						<u>. </u>	
8. Tests Conducted		Pneumatic (NO)		inal Operating Press	•	•))	
8. Tests Conducted		• •		inal Operating Press Test Temperature_	•	•))	
8. Tests Conducted Pressure Re	Hydrostatic (NO) Pressure <u>N/A</u>	• •		Test Temperature_	•	•))	
	Hydrostatic (NO) Pressure <u>N/A</u> lief Valves: Service_ <u>N/A</u>	psi		Test Temperature	N/A	•F))	
	: Hydrostatic (NO) Pressure <u>N/A</u> lief Valves: Service <u>N/A</u> Opening Pressure	psi		Test Temperature	N/A	•F)	
8. Tests Conducted Pressure Re	Hydrostatic (NO) Pressure <u>N/A</u> lief Valves: Service_ <u>N/A</u>	psi		Test Temperature	N/A	•F)N/A))	

Page 193

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FOR	M NIS-2 /NR-1 / NVR-1 -
	8. REMARKS Applicable Manufactures Data Reports to be Atlached
A	
	RTIFICATE OF COMPLIANCE
We certify that the statements made in the report are corr the ASME Code Section XI.	
Type Code Symbol <u>NR</u> Certificate of Author	ization No. 20 Expiration Date 7-17-01
all the structure	stati & inspection Wangger and 3/16 ar 2000
Signed Corrects Designees, Th	
, the undersigned, holding a valid commission issued by the Nati State or Province of <u>Ohio</u> and employed by <u>Provi</u> rave inspected the components described in this Owner's Report bet to the best of my knowledge and belief, the Owner has berdo	ional Board of Boller and Pressure Vessel Inspectors in the <u>tection Mutual</u> of <u>Park Ridge, filingis</u> Mutual INS t during the period <u>21000</u> to <u>\$2000</u> , and state Johnstou, & I med examinations and taken corrective measures
lescribed in this Owner's Report in accordance with the requirem	nents of the ASME Code, Section XI.
By signing this certificate, neither the inspector nor his employer examinations and corrective measures described in the Owner's	Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property d	iamage or a loss of any kind arising from or connected with
this inspection.	OHIO
Thomas & Loso 3/20/00 Con	nmissions NB 9330 N I A CONLL.
nspector's Signature	National Board, okare, Florence and Encodements
CEI	RTIFICATE OF COMPLIANCE
We certify that the statements made in this report are correct an	
relief device described above conforms to Section XI and Section defined in publications NB-65 and NB-102, current editions.	n III of the ASME Code and the National Board rules as
Certificate of Authorization No316 to use the "VR" a	tamp expires Dec. 13, 2001
Certificate of Authorization No to use the "NR" s	tamp expiresJuly 17, _2001
	Nuclear Safety & Inspection Manager
Date, 19, Signed <u>Toledo Edison</u> Repeir Granization	Authorized Representative The
CF	RTIFICATE OF INSPECTION
, the undersigned, holding a valid commission issued by the Nat	ional Board of Boller and Pressure Vessei Inspectors, and
certificate of competency issued by the State or Province of	Ohio and employed by Protection Mutual *
	n, or replacement described in this report
on, 19, and state that to the best of my know constructed in accordance with Section XI and Section III of the / NB-102, current aditions.	ledge and bellef, this repair, modification, or replacement has been made or ASME Code and the National Board rules as defined in the publication NB-65 and
By signing this certificate, neither the Inspector nor his employed repair, modification or replacement described in this report. Fur liable in any manner for any personal injury or property damage this inspection.	thermore, neither the inspector nor his employer shall be
	ommissions
Authorized inspector's Signature Date	National Board, State, Province and Endorsements
•	-Factory Mutual Engineering Association-
••••••••••••••••••••••••••••••••••••••	Tel. 320 00

FORM	US-2 / NR-1 / NVR-1 As Required	by the Provisions	of the ASME	Code Section XI				
Owner Toledo	Edison Company)ate	5/16/00				
	dison Ave., Toledo, OH 43		Sh	eet 1 of 1				
	Address							
	Plant <u>Davis-Besse Nuclear Power Station</u>		WO 99-005148-002					
			ma Code Si	Repair Organization P.O. No ampNR				
3. Work Performed	Barre		•	on NO 20_				
<u>5501 N</u>	SR 2. Oak Harbor. OH 43	449						
			•	n Date <u>7-17-01</u>				
4. Identification of S	Systems <u>Aux FeedPun</u>	np and Piping 6	C-EBB-4-H	15 C-186 (Sub:	<u>sys 050</u>	-03)	-	
	Construction CodeANSI		tion 19 <u>67</u>			Code Case <u>N</u>	/A	
	Edition of Section XI Utilize		placements	19 <u>86</u>		•		
(c) Design Res	ponsibilities ITT Grint	nell						
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement Co	ompone	ents		
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board MO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped	
Snubber	ITT Grinnell	19191	N/A	C-18 6	N/A	Replaced	No	
Snubber	ITT Grinnell	74440215	N/A	C-18 6	N/A	Replacement	N/A	
			ļ	·	<u> </u>		┼───	
				<u> </u>	+-			
		<u> </u>		<u> </u>	+		1	
		7. Descrip	tion of Work	L				
Existing ITT Grinnell hyd	Iraulic snubber S/N 19191 was r	emoved and replaced	with a like for	like snubber S/N 744402	15.			
Replacement snubber wa	as functionally test satisfactory	prior to installation.				•		
						· · · · · · · · · · · · · · · · · · ·		
	•							
8. Tests Conducted	Hydrostatic (NO) Pressure <u>N/A</u>			ninal Operating Press Test Temperature			0)	
Pressure Rel	ief Valves:							
	Service_N/A			SizeN/A		A1/A		
	Opening Pressure			Blowdown (if appli	cable)_	N/A		
	Set Pressure and Blowdo	own Adjustments N	lade Using_	N/A	Test Bellin)		
	at_N/A			(Logation)				
	tal sheets in the form of in items 1 through 6 on 1 is recorded at the top (vided (each st	1) size is 8% x met is numbered	11 in. and the	

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	FOI	RM NIS-2 /NR-1		
		9. REMARKS	Applicable Ma	nutacturers Data Reports to be Attached
		RTIFICATE OF CO	IDLIANCE	
We certify that the stat the ASME Code Section	ements made in the report are co			orms to the rules of
Tumo Codo Symbol	NR Certificate of Auth	orization No20	Expiration Date	7-17-01
Signed_2.W.	Starrens J. Nuclear Damed or Owned's Designers	Safety & Inspection Ma	nager Date S/11/1	<u>+9</u>
the undersigned, holding a		ATE OF INSERVIC		ectors in the
state or Province ofO	hio_end employed byactor hts described in this Owner's Rep	ort during the period	7-23-99 to 5-17-98 and taken corrective meas	2 , and state
lescribed in this Owner's Re	cont in accordance with the requir	ements of the Admin V		
	ther the Inspector nor his employ measures described in the Owner for any personal injury or property			
his inspection.	, <u>-17-</u> w C Date			
nspector's Signature	Date	National Box	M. State, Province and Endor	emenus
	•			
We certify that the statemen	C ts made in this report are correct e conforms to Section XI and Sec	ERTIFICATE OF CO	MPLIANCE	he pressure
We certify that the statemen relief device described abov defined in publications NB-6	C ts made in this report are correct e conforms to Section XI and Sec 5 and NB-102, current editions.	ERTIFICATE OF CC and the repair, modific tion III of the ASME C	MPLIANCE ation, or replacement of t de and the National Boar	he pressure d rules as
We certify that the statemer relief device described abov defined in publications NB-6 Certificate of Authorization I	C ts made in this report are correct e conforms to Section XI and Sec 5 and NB-102, current editions. to	ERTIFICATE OF CC and the repair, modific tion III of the ASME C stamp expires	MPLIANCE bation, or replacement of t bde and the National Boar Dec. 13	he pressure d rules as 01
We certify that the statemer relief device described abov defined in publications NB-6 Certificate of Authorization I	C ts made in this report are correct e conforms to Section XI and Sec 5 and NB-102, current editions.	ERTIFICATE OF CC and the repair, modific tion III of the ASME C stamp expires	MPLIANCE ation, or replacement of t de and the National Boar Dec. 13	he pressure d rules as 01 01 y 4
We certify that the statemer relief device described abov defined in publications NB-6 Certificate of Authorization I Certificate of Authorization I	C ts made in this report are correct e conforms to Section XI and Sec 5 and NB-102, current editions. No. <u>316</u> to use the "VR No. <u>20</u> to use the "NR Signed Toledo Edison	ERTIFICATE OF CC and the repair, modific tion III of the ASME C stamp expires	MPLIANCE ation, or replacement of t de and the National Boar Dec. 13	he pressure d rules as 01 01 y 4
We certify that the statemer relief device described abov defined in publications NB-6 Certificate of Authorization I Certificate of Authorization I	C ts made in this report are correct e conforms to Section XI and Sec 5 and NB-102, current editions. to	ERTIFICATE OF CC and the repair, modific tion III of the ASME C stamp expires	MPLIANCE bation, or replacement of t bde and the National Boar Dec. 13 ,20 July 17 ,20 Nuclear Safet Inspection Mi	he pressure d rules as 01 01 y 4
We certify that the statemer relief device described abov defined in publications NB-6 Certificate of Authorization I Certificate of Authorization I	C ts made in this report are correct e conforms to Section XI and Sec 5 and NB-102, current editions. to <u>316</u> to use the "VR No. <u>20</u> to use the "NR , Signed <u>Toledo Edison</u> 	ERTIFICATE OF CC and the repair, modific tion III of the ASME C stamp expires stamp expires	MPLIANCE bation, or replacement of t bode and the National Boar Dec. 13,20 July 17 20 July 17 20 Nuclear Safet Inspection Ma Tee	he pressure d rules as 01 01 y 4
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We certify that the statemer relief device described above defined in publications NB-6 Certificate of Authorization I Date, 19 I, the undersigned, holding a certificate of competency iss of <u>Johnston, R.I</u> on, 19 constructed in accordance w NB-102, current editions.	C ts made in finis report are correct a conforms to Section XI and Sec 5 and NB-102, current editions. Noto use the "VR toto use the "VR to use the "VR the State of the province of and state that to the best of my kn fith Section XI and Section till of the to	ERTIFICATE OF CC and the repair, modific tion III of the ASME Co stamp expires stamp expires Autosted Representative CERTIFICATE OF IN National Board of Bolla Ohio_ and employ ation, or replacement of nowledge and bellef, it he ASME Code and in	MPLIANCE bation, or replacement of the bode and the National Boar Dec. 13,20 	he pressure d rules as 01 01 y 4 anager spectors, and <u>Co.*</u> replacement has been made or defined in the publication NB-65 an
We certify that the statemer relief device described above defined in publications NB-6 Certificate of Authorization I Date, 19 I, the undersigned, holding a certificate of competency iss of 19 on 19 constructed in accordance w NB-102, current editions. By signing this certificate, n repair, modification or repla liable in any manner for any	C ts made in this report are correct a conforms to Section XI and Sec 5 and NB-102, current editions. Noto use the "VR toto use the "VR to use the "VR to use the "VR toto use the "VR to use the "VR to use the "VR toto use the "VR to use the "VR toto use the "VR to use	ERTIFICATE OF CC and the repair, modific tion III of the ASME C stamp expires	MPLIANCE pation, or replacement of the pode and the National Boar <u>Dec. 13</u> ,20 <u>July 17</u> ,20 <u>Nuclear Safet</u> Inspection Ma The SPECTION r and Pressure Vessel Ins ed byFactory Mutual Ins. lescribed in this report is repair, modification, or r a National Board rules as thy, expressed or implied, as inspector nor his emplo	he pressure d rules as 01 01 01 y & anager pectors, and Co." replacement has been made or defined in the publication NB-65 an concerning the yer shall be
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We certify that the statemer relief device described above defined in publications NB-6 Certificate of Authorization I Certificate of Authorization I Date, 19 I, the undersigned, holding a certificate of competency iss of <u>Johnston, R.I.</u>	C ts made in this report are correct a conforms to Section XI and Sec 5 and NB-102, current editions. No to use the "VR No to use the "VR No to use the "VR to use the "VR to use the "VR 	ERTIFICATE OF CC and the repair, modific tion III of the ASME C stamp expires	MPLIANCE pation, or replacement of the pode and the National Boar 	he pressure d rules as 01 01 01 y & anager pectors, and Co." replacement has been made or defined in the publication NB-65 an concerning the yer shall be ad with
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				Code Section XI			
Owner Toledo	Edison Company	C		4/29/00			
	dison Ave., Toledo, OH 43		St	neet 1 of 1			
	Besse Nuclear Power Stati		nit	#1			
	SR 2, Oak Harbor, OH 43	• •		NO 99-005148-006		• 	
			me Code Si	Repair Organization P.O. Ho tampNR	., Job No.,	elc.	·
. Work Performed	ByToledo Edison C		•	on N020			
<u> </u>	SR 2, Oak Harbor, OH 43	449		n Date7-17-01			
I. Identification of S	Systems Pressurizer S	urge Line PSU-	- <u>1-R2 C-20</u>	04 <u>(Subsys 064-04</u>	1		
5 (a) Applicable (Construction Code <u>ANS1</u>	<u>B31.1</u> Edi	tion 19 <u>67</u>	Addendum <u>N/</u>	A	Code Case N	Δ.
	Edition of Section XI Utilize		placements	: 19 <u>86</u> _			
(c) Design Res	ponsibilities ITT Grin						
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement Co	ompone	nts	r
							ASME
lame of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	Code Stamp
Snubber	ITT Grinnell	74402393-22	N/A	C-204	N/A	Replaced	No
Snubber	ITT Grinnell	12477	N/A	C-204	N/A	Replacement	No
			<u></u>				
		! 					╂──
· · · · · · · · · · · · · · · · · · ·			<u> </u>				
		7. Descrip	tion of Work	<u>, </u>	<u> </u>		
T Grinnell hydraulic an	ubber S/N 7442393-22 was remo	oved and replaced with	a like for like	s enubber S/N 12477.	_		
nubber was functionally	y tested satisfactory prior to ins	tallation.					
					<u></u>		
	······································						
8. Tests Conducted:	-	Pneumatic (NO)		ninal Operating Press est Temperature			0}
8. Tests Conducted: Pressure Rel	Pressure <u>N/A</u> ief Valves:	psi		est Temperature			0)
	Pressure <u>N/A</u> ief Valves: Service <u>N/A</u>	psi	T	est Temperature SizeN/A	<u>N/A</u>	•F	0}
	Pressure <u>N/A</u> ief Valves: Service <u>N/A</u> Opening Pressure	psi	T 	est Temperature SizeN/A Blowdown (if applic	<u>N/A</u>	•F	0}
	Pressure <u>N/A</u> ief Valves: Service <u>N/A</u>	psi	T 	est Temperature SizeN/A Blowdown (if applic	<u>N/A</u>	•F N/A	0}

12 RFO Inservice Inspection Summary
First Energy Nuclear Operating, 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: 11/27/77

				FURM NIS-2 /	10-17 1110-	·	
				9. REMARK	\$	Applicable Manufecturers Data	Asports to be Attached
NA							
			······				
				OF DITIONTE O	COMPLIANC	×c	<u></u>
	ly that the state E Code Section		a in the report an	CERTIFICATE O e correct and this		conforms to the	rules of
Type Co	de Symbol			Authorization No		Expiration Date7-17-01	
Signed_	H.N.S.	toren	Nucl	lear Safety & Inspecti Ignee, Title	on Manager D	hate 4/30/2000-	
		1					
State or Provin have inspected that to the best	ce of <u>Ohic</u> the component of my knowledge	o and en is described and belie	sion issued by the ployed by <u>Fac</u> in this Owner's f. the Owner has	tory Mutual Ins. Co. Report during the p	Boiler and Pres of Joh eriod <u>9-23-95</u> ations and taken	sure Vessel Inspectors in the nston, R.I. to <u>4-30-c</u> , and state a corrective measures	
By signing this maminations a	certificate, neith nd corrective m n any manner fo	er the Inspe easures des	actor nor his emp scribed in the Ov	bloyer makes any wa	arranty, express armore, neither	ed or implied, concerning the the inspector nor his employ rising from or connected with	yer `
A /	<i>] </i>			-		·- · OK.	
Inspector e Signa	4.L		4-30-00	Commissions	LESPUL A	I. Province and Endorsements	
<u> </u>						<u></u> ЭЕ	
relief device de	ascribed above	conforms to	Section XI and	Section III of the AS	nodification. or I	CE replacement of the pressure ne National Board rules as	
relief device de defined in publ	escribed above lications NB-65	conforms to and NB-102	Section XI and current edition	rect and the repair, i Section III of the AS s.	nodification, or I ME Code and th	replacement of the pressure ne National Board rules as	
relief device de defined in publ	escribed above lications NB-65	conforms to and NB-102	Section XI and current edition	rect and the repair, i Section III of the AS	nodification, or I ME Code and th	replacement of the pressure ne National Board rules as	
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relief device da defined in public Ceritficate of A Ceritficate of A Date	escribed above (lications NB-65 : withorization No withorization No 	conforms to and NB-102 	Section XI and c, current edition: to use the ' to use the ' Toledo Edison Repair Organization	vect and the repair, i Section III of the AS s. "VR" stamp expires "NR" stamp expires Authorized Ri CERTIFICATE O	ME Code and th Dec. 13July 17 presentative F INSPECTIO	replacement of the pressure ne National Board rules as 	
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Page 198

. Owner <u>Toledo</u>	Edison Company			4/18/00		······		
<u>300 Ma</u>	dison Ave., Toledo, OH 4	3652						
2. Plant <u>Davis-</u>	Besse Nuclear Power Stat	tion	Unit	#1		·····		
5501_N	SR 2. Oak Harbor. OH 4:	3449		NO 99-005148-010 Repair Organization P.O. No.	, Job No., e	Ac.		
3. Work Performed	By Toledo Edison C	Company	Type Code	Stamp NR				
	SR 2. Oak Harbor, OH 4:	3449		ration N020				
			•	ation Date7-17-0				
4. Identification of	Systems <u>Decay Heat 8</u>	Low Pressure In	lection 33B	<u>-CCB-6-H2 C-277</u>	(Subs	<u>ys Q49-02)</u>		
5. (a) Applicable (Construction Code _ANSI	<u>B31.1</u> Edi	ition 19 <u>67</u>	Addendum N	/A	Code Case 🛔	VA	
•••	Edition of Section XI Utiliz		Replaceme	nts 19 <u>86</u>			;	
• • •	sponsibilities ITT Grin							
	6. Identification of Comp	onents Repaired o	or Replaced	and Heplacement C	∍ompo 			
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASP Cod Stam	
Snubber	III Grinnell	9872	N/A	C-277	N/A	Replaced	No	
Snubber	ITT Grinnell	12036	N/A	C-277	N/A	Replacement	No	
		· .	ļ				╂──	
		7. Descrip	tion of Worl	<				
TT Grinnell hydraulic and	ubber S/N 9872 was removed a	nd replaced with a like	for like snubt	ber S/N 12036.		·····		
Replacemennt snubber w	vas functionally tested satisfact	ory prior to installatio	n.					
·····	······		<u> </u>					
	•							
					·			
8. Tests Conducted:	Hydrostatic (NO) Pressure <u> </u>	Pneumatic (NO) psi		ninal Operating Pres Test Temperature_			0)	
Pressure Rei	ief Valves:							
				Size <u>N/A</u>			-	
	Opening Pressure Set Pressure and Blowd			N/A		B)N/A	•	
			•		leet Hedium)		
	at N/A						•	

FORM NIS-2 /NR-1 / NVR-1	
8. REMARKS Applicable Manufacturers Data Reports to be Atlached	
IA	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code Section XI.	
Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01	
the ASME Code Section XI. Type Code Symbol <u>NR</u> Certificate of Authorization No. <u>20</u> Expiration Date <u>7-17-01</u> Signed <u>WMSTerms</u> <u>Nuclear Safety & Inspection Manager</u> Date <u>4/19</u> <u>49</u> <u>2000</u> <u>Owner or Owner's Designes</u> . The	
Signed Date Date	
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the State or Province ofOhio and employed byFactory Mutual Ins. Co. tofJohnston, R.I. have inspected the components described in this Owner's Report during the period1399 to1990, and state	
have inspected the components described in this Owner's Report during the period <u>1135144</u> to <u>4114160</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the Owner's 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	
the second second	
Inspection. Thomas Blags 41900 commissions NB 9330 N I A ONLY. Inspector's Signature National Board, State, Province and Endorsements	
Inspector's Signature	
Inspector's Signature / Dap Haudual Boald, Galo, Florado and El Nordellionas	
CERTIFICATE OF COMPLIANCE	
CERTIFICATE OF COMPLIANCE	
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as	
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CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No16 to use the "VR" stamp expires	
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CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp expires	
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp expires	or
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp expires	or -65 and
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316	or -65 and
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Page 200

1. Owner Toledo Edison Company. Date 5/200 300 Mardison Aves. Tokko. OH 43552 Sheet 1 of 1 2. Flant Davis-Basse Muchar Power Station Unit #1	FORM	NIS-2 / NR-1 / -NVR-1 As Required	OWNER'S REP by the Provisions	of the ASM	R REPAIRS OR E Code Section XI		ACEMENTS	
	1. OwnerToledo	Edison Company	(Date	5/2/00			
2. Plant Davis-Bessex Nuclear Power Station Unit #1		\$100 me		SI	heet 1 of 1			
		Address		Jnit	#1			
3. Work Performed By Toledo Edison Company Type Code Stamp MR		No. 2014			WO 99-005148-012			
Authorization NO				ype Code S	Repair Organization P.O. N tampNR	io., Job No.,	etc.	
Light 11, 01, EXAMPLE Expiration Date		Nemo						
4. Identification of Systems								
5. (a) Applicable Construction Code _ANSLB31. Edition 19 57. Addendum N/A Code Case N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19E	d Identification of f	Sustans Beactor Cool	ant Pumps RCP	•				
5. (a) Applicable Edition of Section XI Utilized for Repairs or Replacements 196							Code Case N	/A
(c) Design Responsibilities	• • • • •				-	A		
6. Identification of Components Repaired or Replaced and Replacement Components Rame of Component Name of Manufacturer Manufacturer's Serial NO. Totartification/ Built Replaced of Separad or Separad Second S				splacements	i 19 <u>66</u> _			
Rame of Component Name of Manufacturer Namufacturer National Beard NO. Other Justicitional NO. Year Built Replaced or Replaced NO Snubber ITT Grinnell 15104 N/A C-304 N/A Replaced or Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement In	(c) Design Res	ponsibilitiesITT Grin	nell					
Base of Component Hame of Manufacturer Manufacturer is seried NO. National Joard NO. Other Juriadictional NO. Year Replaced or Scare NO. ASSE Code N/A Replaced or Replaced NO Snubber ITT Grinnell 15105 N/A C-304 N/A Replaced No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Feisting ITT Grinnell hydrautic snubber &/N 15104 was removed and replaced with a like or like anubber &/N 15105. Replacement anubber &/N 15105. Replacement anubber &/N 15105. Replacement anubber was functionally tested satisfactory prior to installation. Test TemperatureF Pressure Relief Valves		6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	ompone	ints	
Rame of Component Name of Kanufacturer Manufacturer Restant Sourd NO. Jenerit Effection/ Puriadicational NO. Nuite Replaced or Replaced or Replaced or Sourd NO. Record NO. Snubber ITT Grinnell 15104 N/A C-304 N/A Replaced or Replaced or Replaced or Sourd NO. Sourd NO. Replaced NO Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No	·····	•						
Snubber ITT Grinnell Total IVA Occur Itt R Interact Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 N/A C-304 N/A Replacement No Snubber ITT Grinnell 15105 Itt R <	Name of Component	Name of Manufacturer			Identification/		Replaced or	Code Stamped
Snubber ITT Grinnell 15105 N/A Code N/A N/A<	Snubber	ITT Grinnell	15104				· · · · · · · · · · · · · · · · · · ·	
Existing ITT Grinnell hydraulic snubber &/N 15104 was removed and replaced with a like for like snubber &/N 15105. Replacement anubber was functionally tested satisfactory prior to installation. Replacement anubber was functionally tested satisfactory prior to installation. 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 Opening Pressure N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A (Immutin)	Snubber	ITT Grinnell	15105	N/A	C-304	N/A	Replacement	NO
Existing ITT Grinnell hydrautic snubber &/N 15104 was removed and replaced with a like for like snubber &/N 15105. Replacement anubber was functionally tested satisfactory prior to installation. Replacement anubber was functionally tested satisfactory prior to installation. 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 Opening Pressure N/A Blowdown (if applicable) N/A Set Pressure and Blowdown Adjustments Made Using N/A (tester) (teste) (
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Replacement anubber was functionally tested satisfactory prior to installation. 8. Tests Conducted: Hydrostatic (NO) Pressure N/A pressure N/A Service N/A Service N/A Set Pressure and Blowdown Adjustments Made Using N/A (tester) (tester) at N/A NOTZ: Supplemental sheats in the form of lists, statches, or drawings may be used, provided (1) size is 84 x 11 in.			7. Descrip	tion of Work				
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 SizeN/A *C Opening Pressure N/A Blowdown (If applicable) N/A Set Pressure and Blowdown Adjustments Made Using (************************************					like shubber an 19105.			
Pressure	Replacement snubber wa	is functionally tested satisfactor	y prior to atstantation.					
Pressure								
Pressure			· · · · · · · · · · · · · · · · · · ·					
Pressure				·				
Pressure								
Pressure Relief Valves: Service_N/ASizeN/A Opening PressureN/A Blowdown (if applicable)N/A Set Pressure and Blowdown Adjustments Made Using at	8. Tests Conducted:	-			-			 D)
Service_N/A Opening Pressure N/A Opening Pressure and Blowdown Adjustments Made Using N/A set Pressure and Blowdown Adjustments Made Using N/A at N/A st N/A st N/A st Set Form of lists, sketches, or drawings may be used, provided (1) size is 8% x 11 in. NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used, provided (1) size is 8% x 11 in.	Pressure Reli							
Set Pressure and Blowdown Adjustments Made Using <u>N/A</u> at <u>N/A</u> (tentime) NOTE: Supplemental sheets in the form of lists, skatches, or drawings may be used, provided (1) size is 8% x 11 in. NOTE: Supplemental sheets in the form of lists, skatches, or drawings may be used, provided (1) size is 8% x 11 in.		Service_N/A		<u> </u>				
ROTE: Supplemental sheets in the form of lists, skatches, or drawings may be used, provided (1) size is 8% x 11 in. NOTE: Supplemental sheets in the form of lists, skatches, or drawings may be used, provided (1) size is 8% x 11 in.		•				able)	<u>N/A</u>	
NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used, provided (1) size is 8% x 11 in.		Set Pressure and Blowdo	wn Adjustments M	ade Using_	N/A	hat Helium)		
				and shares of a	a many he used and	1.604 /1		11 in.
				or drawing luded on ea	is may be used, provide the sheet, and (3)	ach she	eet is numbered a	ind the

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FORM NIS-2 /NR-1 / NVR-1-
9. REMARKS Applicable Manufacturers Data Reports to be Attached
NA
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01
Simuel D. W. S. Kneme, Nuclear Safety & Inspection Manager Date 5/3/2000
Signed Date Date
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Bolier and Pressure Vessel Inspectors in the State or Province ofOhioand employed byFactory Mutual Ins. Co. ofJohnston, R,I. have inspected the components described in this Owner's Report during the periodA13_19_ toA13_100, and state
have inspected the components described in this Owner's Report during the period <u>4123199</u> to <u>313100</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the Owner's 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. <u>Thomas & Lagar</u> 5/3/00 Commissions <u>NB 9330 N I A 9440</u> Istate National Board, State, Province and Endorsements
CERTIFICATE OF COMPLIANCE
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions.
Certificate of Authorization No316 to use the "VR" stamp expires Dec. 13 2001
Certificate of Authorization No. <u>20</u> to use the "NR" stamp expires <u>July 17</u>
Date, 19, Signed Toledo Edison Inspection Manager
Repair Organization Authorized Representative Title
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Bolier and Pressure Vessel inspectors, and
certificate of competency issued by the State or Province ofOhio and employed byFactory Mutual Ins. Co.*
of <u>Johnston, R.t.</u> have inspected the repair, modification, or replacement described in this report
on, 19, and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 and NB-102, current editions.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer shall be table in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this hispection.
Commissions
Authorized Inspector's Signature Date National Board, State, Province and Endorsements
* Factory Mutual Ins. Co

FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S RE	PORT FO	R REPAIRS OR LE Code Section XI	REPL	ACEMENTS		
Owner Toledo Edison Company			Date	5/3/00				
	num adison Ave., Toledo, OH 4		s	iheet 1 of <u>1</u>				
	Besse Nuclear Power Sta							
	i. SR 2. Oak Harbor, OH 4			WO 99-005148-014				
	Address			Repair Organization P.O. N	la., Job No.			
	By Toledo Edison (•••	Stamp <u>NR</u>				
<u> </u>	I. SR 2, Oak Harbor, OH 4	3449	Authorizat	ion N0. <u>20</u>		,		
			Expiratio	on Date <u>7-17-0</u>	1			
4. Identification of	Systems <u>Reactor Coo</u>	lant Pump RCP3	-6 (N/S) C	-305 (Subsys 064-	03)		_	
(b) Applicable I	Construction Code <u>ANSI</u> Edition of Section XI Utilize ponsibilities <u>ITT GrIn</u>	d for Repairs or Re		. Addendum <u>N</u> s 19 <u>86</u>	/A	Code Case 1	VA	
					<u>.</u>		·	
	6. Identification of Comp	oonents Repaired C	or Replaced	and Replacement Co	ompone	ints		
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	ITT Grinnell	15102	N/A	C- 305	N/A	Replaced	No	
Snubber	ITT Grinnell	15103	N/A	C- 305	N/A	Replacement	No	
			<u> </u>					
	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·				
						······	<u> </u>	
	1	7. Descript			1			
-	raulic snubber S/N 15102 was n		with a like for	like snubber S/N 15103.				
eplacement snubber wa	s functionally tested satisfactor	y prior to Installation.						
					<u> </u>			
						· · · · · · · · · · · · · · · · · · ·		
	•							
	*	· · · · · · · · · · · · · · · · · · ·	•			-		
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO) psi		inal Operating Press est Temperature	•	•)	
Pressure Relia				-				
	-			SizeN/A				
		A1/A		Blowdown (if application	adie)	N/A		
	Opening Pressure				/			
	Opening Pressure Set Préssure and Blowdon			N/A	et Hofiun)			

	FORM NIS-2 /NR-1 / NVR-1	
	9. REMARKS Applicable Manufacturers Data Reports to be Attac	ned
A		
	CERTIFICATE OF COMPLIANCE	
We certify that the stateme the ASME Code Section X	Is made in the report are correct and this <u>replacement</u> conforms to the rules of	
Type Code Symbol	Certificate of Authorization No. 20 Expiration Date 7-17-01	
Signed D/W. Sta	Certificate of Authorization No. 20 Expiration Date 	
	Swnar er Ownar's Designee, Tille	
State or Province ofOhio have inspected the components	CERTIFICATE OF INSERVICE INSPECTION commission issued by the National Board of Boiler and Pressure Vessel Inspectors in the and employed by <u>Factory Mutual Ins. Co.</u> of <u>Johnston, RJ.</u> iscribed in this Owner's Report during the period 912399 to 5300 , and state ad belief, the Owner has performed examinations and taken corrective measures accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate, neither	he Inspector nor his employer makes any warranty, expressed or implied, concerning the ures described in the Owner's Report. Furthermore, neither the Inspector nor his employer any personal injury or property damage or a loss of any kind arising from or connected with	
this inspection.		
Thomas & Lops_	5/3/00 Commissions <u>NB9330 N I A</u> COLM National Board, State, Province and Endorsements	
	CERTIFICATE OF COMPLIANCE	
retief device described above of defined in publications NB-65 at Certificate of Authorization No.	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. 316 to use the "VR" stamp expires <u>Dec. 13, 2001</u> .	
relief device described above of defined in publications NB-65 at Certificate of Authorization No.	the in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , 2001. <u>20</u> to use the "NR" stamp expires <u>July 17</u> , 2001. Nuclear Safety &	
relief device described above or defined in publications NB-65 at Certificate of Authorization No. Certificate of Authorization No.	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. 316 to use the "VR" stamp expires 20 to use the "NR" stamp expires July 17 , 2001. Nuclear Salety & Nuclear Salety & Signed Toledo Edison	
relief device described above of defined in publications NB-65 at Certificate of Authorization No.	the In this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , 2001. <u>20</u> to use the "NR" stamp expires <u>July 17</u> , 2001. Nuclear Salety &	
relief device described above or defined in publications NB-65 at Certificate of Authorization No. Certificate of Authorization No.	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. 316 to use the "VR" stamp expires 20 to use the "NR" stamp expires 20 to use the "NR" stamp expires 316 Nuclear Salety & Nuclear Salety &	
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relief device described above of defined in publications NB-65 at Certificate of Authorization No. Certificate of Authorization No. Date, 19 I, the undersigned, holding a val certificate of competency issued of <u>Johnston, R.I.</u> have	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. 316	
relief device described above of defined in publications NB-65 at Certificate of Authorization No. Certificate of Authorization No. Date, 19 I, the undersigned, holding a val certificate of competency issued of <u>Johnston, R.I.</u> have	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. 316	ade or NB-65 a
relief device described above of defined in publications NB-65 at Certificate of Authorization No. Certificate of Authorization No. Date, 19 I, the undersigned, holding a val certificate of competency issued of <u>Johnston, R.I.</u> have on, 19 and constructed in accordance with a NB-102, current editions. By signing this certificate, neith	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as NB-102, current editions. 316	ade or NB-65 ar
relief device described above of defined in publications NB-65 at Certificate of Authorization No. Certificate of Authorization No. Date, 19 I, the undersigned, holding a val certificate of competency issued of <u>Johnston, R.I.</u> have on, 19 and constructed in accordance with in NB-102, current editions. By signing this certificate, neith repair, modification or replacent lable in any manner for any pe	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as INB-102, current editions. 316 to use the "VR" stamp expires Dec. 13 , 2001. 20 to use the "NR" stamp expires July 17 , 2001. 20 to use the "NR" stamp expires July 17 , 2001. 316 Toledo Edison Nuclear Safety & Inspection Manager Signed Toledo Edison Nuclear Safety & Repair Organization Authorized Representative The CERTIFICATE OF INSPECTION commission Issued by the National Board of Boiler and Pressure Vessel Inspectors, and by the State or Province ofOhio_ and employed byFactory Mutual Ins. Co.* nepected the repair, modification, or replacement described in this report tate that to the best of my knowledge and belief, this repair, modification, or replacement has been miscion XI and Section III of the ASME Code and the National Board rules as defined in the publication in the first proof. Furthermore, neither the Inspector nor his employer shall be original the inspector nor his employer makes any warranty, expressed or implied, concerning the not described in this report. Furthermore, neither the Inspector nor his employer shall be original injury or property damage or a loss of any kind arising from or connected with	ade or NB-65 ar
relief device described above or defined in publications NB-65 at Certificate of Authorization No. Certificate of Authorization No. Date, 19 I, the undersigned, holding a val certificate of competency issued of <u>Johnston, R.I.</u> have on, 19 and constructed in accordance with in NB-102, current editions. By signing this certificate, neith repair, modification or replacent lable in any manner for any pe	de in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as INB-102, current editions. 316	ade or NB-65 ar

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	S-2 / NR-1 / NVR-1 O As Required by						
Owner Toledo	Edison Company			5/2/00			
	lison Aye., Toledo, OH 43	652	She	bet 1 of 1			
	Address BSSE Nuclear Power Stati		Unit	<u> </u>		······································	
Plant <u>Davis-b</u>	Nume SR 2. Oak Harbor, OH 43	149	W	O 99-005148-016 Repair Organization P.O. No	Inh No. elic		
-	main de Edicon Cé	ompany 1	voe Code S	StampNR			
. Work Performed	By			ation N020			
<u> </u>	SR 2. Oak Harbor. OH 43	4		tion Date			
	Systems <u>MAIN STEAM</u>	SYSTEM EBB-1-	•				
			tion 19 67	Addendum N	A	Code Case N	A
5. (a) Applicable (Construction Code ANSI						
(b) Applicable	Edition of Section XI Utiliz	ed for Repairs or I	Replacemen	nts 19 <u>00</u>			
(c) Design Res	ponsibilities <u>USEGA</u>						
(4) =	6. Identification of Comp	ments Repaired o	r Replaced	and Replacement C	compor	nents	
	6. Identification of Comp						۸S
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	Co Stai
	LISEGA	61232/35	N/A	C-230	Unk		
Snubber	LISEGA	98614150/02	N/A	C-230	Unk	Replacement	 "
Snubber					<u> </u>		┼─
					┼──	┨	┼╌
				+	+		+
			<u> </u>				
		7. Descrip	tion of Wor	K Der S/N98614150/02.			
Lisega hydrautic anubb	er 6/N61232/35 was removed an	en enter to instaliation					
Replacement snubber v	ras functionally tested satisfact						
		·····				(NO) Other (101
		Pneumatic (NG	D) No	minal Operating Pre Test Temperature	N	(NO) Oulei (. <u>A</u> •F	,
8. Tests Conducte	d: Hydrostatic (NO) PressureN/A_	psl					
	Pressure <u>N/A</u> elief Valves:	psi		Size N/A			
	PressureN/A_ elief Valves: Service_N/A					oie)N/A	
	PressureN/A_ elief Valves: Service_N/A Opening Pressure	N/A	s Made Usi	Blowdown (if a		bie)N/A_	
Pressure R	PressureN/A_ elief Valves: Service_N/A	N/A /down Adjustment	s Made Usi	Blowdown (if a	pplicat	tun)	-

4.4.4 A. 14.

	FORM NIS-2 /NR-1 / NVR-1
	REMARKS Applicable Manufacturers Data Reports to be Attached
A	
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report to the ASME Code Section XI.	
Type Code Symbol <u>NR</u> Certificate o	of Authorization No. 20 Expiration Date 7-17-01
	luciear Safety & Inspection Manager Date 5/2/2450
barier er Ownere E	
I, the undersigned, holding a valid commission issued by State or Province ofOhio and employed by	
that to the best of my knowledge and belief, the Owner h described in this Owner's Report in accordance with the	requirements of the ASME Code, Section XI.
	mployer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or pi	roperty damage or a loss of any kind arising from or connected with
this inspection.	
Quarter 5-2-20	Commissions <u>NB9F01 N I A China</u> National Board, State, Province and Endorsements
Inspector & Cignature Date	National Board, State, Province and Endorsements
	CERTIFICATE OF COMPLIANCE
miles described shove conforms to Section XI an	correct and the repair, modification, or replacement of the pressure Id Section III of the ASME Code and the National Board rules as
relief device described above conforms to Section XI an defined in publications NB-65 and NB-102, current editi	correct and the repair, modification, or replacement of the pressure nd Section III of the ASME Code and the National Board rules as ions.
milet doutes described above conforms to Section XI an	correct and the repair, modification, or replacement of the pressure nd Section III of the ASME Code and the National Board rules as ions.
relief device described above conforms to Section XI and defined in publications NB-65 and NB-102, current edition Certificate of Authorization No. <u>316</u> to use the	correct and the repair, modification, or replacement of the pressure Ind Section III of the ASME Code and the National Board rules as ions. Ine "VR" stamp expires
relief device described above conforms to Section XI and defined in publications NB-65 and NB-102, current editi Certificate of Authorization No. <u>316</u> to use the Certificate of Authorization No. <u>20</u> to use the	correct and the repair, modification, or replacement of the pressure Ind Section III of the ASME Code and the National Board rules as ions. He "VR" stamp expires
relief device described above conforms to Section XI and defined in publications NB-65 and NB-102, current edition Certificate of Authorization No. <u>316</u> to use in	Correct and the repair, modification, or replacement of the pressure and Section III of the ASME Code and the National Board rules as clons. He "VR" stamp expires
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relief device described above conforms to Section XI and defined in publications NB-65 and NB-102, current editi Certificate of Authorization No to use in Certificate of Authorization No to use in Date, 19, Signed Toledo Edisor Repair Organization I, the undersigned, holding a valid commission issued by	CERTIFICATE OF INSPECTION y the National Board of Boller and Pressure
relief device described above conforms to Section XI and defined in publications NB-65 and NB-102, current editi Certificate of Authorization No to use in Certificate of Authorization No to use in Date, 19, Signed to use in Date, 19, Signed Teledo Edisor Reper Organization I, the undersigned, holding a valid commission issued by certificate of competency issued by the State or Provinc	correct and the repair, modification, or replacement of the pressure and Section ill of the ASME Code and the National Board rules as tions. ne "VR" stamp expires
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111 4 11

	NIS-2 / NR-1 / -NVR-1 As Required	by the Provisions	of the ASM	E Code Section XI			
Owner <u>Toleda</u>	Edison Company		Date	5/2/00			
<u>300 Ma</u>	dison Ave., Toledo, OH 4	3652	S	heet 1 of 1			
2. Plant <u>Davis-</u>	Besse Nuclear Power Stat	tion L	Jnit	#1			
	SR 2. Oak Harbor. OH 43		·	WO 99-005148-018		-1-	
	By		ype Code S	Repair Organization P.O. M			
	SR 2. Oak Harbor. OH 4		Authorizat	ion N0 20		- <u></u>	
	Addrees		Expiratio	on Date7-17-0	1		
a damateration of	Systems <u>Main Steam s</u>	Svetem FRB-	•	C-176 (Subsys 08			
						Code Cone N	
	Construction Code <u>ANSI</u>		ition 19 <u>67</u>		A	Code Case N	A
(b) Applicable i	Edition of Section XI Utilize	d for Repairs or Re	eplacements	s 19 <u> </u>			
(c) Design Res	ponsibilities <u>Lisega</u>			······································			
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement C	ompone	ents	
	. identification of comp						
Name of Component	Name of Manufacturer	Nanufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASNE Code Stamp
Snubber	Lisega	61232/36	N/A	C-176	N/A	Replaced	No
Snubber	Lisega	98614150/03	N/A	C-176	N/A	Replacement	No
				<u> </u>			
<u> </u>							
	: snubber S/N 61232/36 was ren	7. Descrip	tion of Worl	k re enubber S/N 98614150	/03.		
	s functionally tested satisfactor						
					F		
		·					
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>			ninal Operating Press est Temperature			0)
Pressure Reli	ef Valves:						
				Size <u>N/A</u>			
	Opening Pressure			Blowdown (if applic	:adie)	N/A	
				BI/ D			
	Set Pressure and Blowdo at N/A	wn Adjustments M	ade Using_	N/A	eet gedium)		

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	FORM NIS-2 /NR		
	9. REMARKS	Applicable h	ianufacturere Dain Reports to be Attached
IA		· · · · · · · · · · · · · · · · · · ·	
	CERTIFICATE OF	OMPLIANCE	
We certify that the statements in the ASME Code Section XI.	nade in the report are correct and this rep		forms to the rules of
Type Code SymbolNB	Certificate of Authorization No.	20 Expiration Date	7-17-01
Charst	Ourser or Ourse's Designee, The	Manager = $\frac{3/2}{3}$	500
Signed		Date	_ +0
		the second se	······································
State or Province of <u>Ohio</u> and have inspected the components descri- that to the best of my incorded and b	CERTIFICATE OF INSERV mission issued by the National Board of Bo employed by <u>Factory Mutual Ins. Co.</u> bed in this Owner's Report during the perio elief, the Owner has periormed examination	ier and Pressure Vessel Ins ofJohnston, R.I. dJ2344_ toS3/00 as and taken corrective mea	, and state
described in this Owner's Report in ac	cordance with the requirements of the ASM	E Code, Section Al.	
By signing this certificate, neither the li	nspector nor his employer makes any warra	nty, expressed or implied, o	oncerning the
manipations and corrective measures	described in the Owner's Report. Furthern ersonal injury or property damage or a loss	nore, neither the inspector n	or his employer
TT- an P :	5/3/00 Commissions Ni Date National I	20220 11 -	- OHIO
Inomus 21 Jups	Date Commissions	ioard State, Province and Endor	sements
<u></u>	CERTIFICATE OF		
We certify that the statements made in relief device described above conform defined in publications NB-65 and NB	n this report are correct and the repair, more to Section XI and Section III of the ASME	fication, or replacement of t	he pressure d rules as
relief device described above conform defined in publications NB-65 and NB	n this report are correct and the repair, more to Section XI and Section III of the ASME	ification, or replacement of t Code and the National Boar	d ruios as
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No Certificate of Authorization No	n this report are correct and the repair, modes to Section XI and Section III of the ASME -102, current editions. 6 to use the "VR" stamp expires 2 to use the "NR" stamp expires	fification, or replacement of t Code and the National Boar Dec. 13	01
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31	n this report are correct and the repair, modes to Section XI and Section III of the ASME-102, current editions. 6 to use the "VR" stamp expires to use the "NR" stamp expires used Toledo Edison	fification, or replacement of t Code and the National Boar Dec. 13 , 20 July 17 , 20 Nuclear Safet Inspection M	01
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No Certificate of Authorization No	n this report are correct and the repair, modes to Section XI and Section III of the ASME -102, current editions. 6 to use the "VR" stamp expires 2 to use the "NR" stamp expires	fification, or replacement of t Code and the National Boar Dec. 13 , 20 July 17 , 20 Nuclear Safet Inspection M	01
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No20	n this report are correct and the repair, models to Section XI and Section III of the ASME -102, current editions. 6 to use the "VR" stamp expires 1 to use the "NR" stamp expires to use the "NR" stamp expires ed Toledo Edison Reper Organization Authorized Represent	ification, or replacement of i Code and the National Boar Dec. 13 , 20 July 17 , 20 Nuclear Safet Inspection M tre Tite	01
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No2 Date, 19, Sign	n this report are correct and the repair, more to Section XI and Section III of the ASME -102, current editions. 6 to use the "VR" stamp expires 0 to use the "NR" stamp expires ted Toledo Effision Repair Organization CERTIFICATE OF	ification, or replacement of i Code and the National Boar 	or rules as 01 98. anager
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relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No20 Date 19 Sign I, the undersigned, holding a valid corr certificate of competency issued by the	n this report are correct and the repair, models to Section XI and Section III of the ASMEL-102, current editions. 6 to use the "VR" stamp expires bed to use the "NR" stamp expires bed Toledo Edison Repair Organization CERTIFICATE OF trainission lesued by the National Board of Bo te State or Province of Chio and empired	ification, or replacement of t Code and the National Boar Dec. 13, 20 July 17, 20 Nuclear Safet Inspection M tre Ttis INSPECTION iler and Pressure Vessel Ins oyed byFactory Mutual Ins.	01 01 y & anager pectors, and
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No23 Date, 19, Sign I, the undersigned, holding a valid corr certificate of competency issued by the of <u>Johnston, R.I.</u> have inspe	n this report are correct and the repair, modes to Section XI and Section III of the ASME- -102, current editions. <u>6</u> to use the "VR" stamp expires bed to use the "NR" stamp expires red to use the "NR" stamp expires CERTIFICATE OF anission issued by the National Board of Bo e State or Province of Ohio and empired cted the repair, modification, or replacement	ification, or replacement of i Code and the National Boar 	or rules as 01 ya anager pectors, and Co.*
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No Certificate of Authorization No Date, 19, Sign I, the undersigned, holding a valid corr certificate of competency issued by the of Johnston, RJ have inspe on, 19 and state i constructed in accordance with Sectio	n this report are correct and the repair, models to Section XI and Section III of the ASMEL-102, current editions. 6 to use the "VR" stamp expires bed to use the "NR" stamp expires bed Toledo Edison Repair Organization CERTIFICATE OF trainission lesued by the National Board of Bo te State or Province of Chio and empired	ification, or replacement of t Code and the National Boar 	or rules as 01 y & anager pectors, and Co.* eplacement has been made or
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No20 Date, 19, Sign I, the undersigned, holding a valid corr certificate of competency issued by the of <u>Johnston, R.I.</u> have inspe- on, 19 and state to constructed in accordance with Sectio NB-102, current editions.	n this report are correct and the repair, models to Section XI and Section III of the ASMEL-102, current editions. 6 to use the "VR" stamp expires 9 to use the "NR" stamp expires 10 to use the "NR" stamp expires 10to use the "NR" stamp expires	ification, or replacement of the Code and the National Board Code and the National Board International Board rules as the National Board rules	or rules as 01 y & anager pectors, and Co.* eplacement has been made or defined in the publication NB-65 at
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No32 Date, 19, Sign , 19, Sign , 19, Sign , 19, suid corr certificate of competency issued by the of <u>Johnston, R.I.</u> have inspe on, 19 and state i constructed in accordance with Sectio NB-102, current editions. By signing this certificate, neither the repair, modification or replacement de liable in any manner for any personal	n this report are correct and the repair, models to Section XI and Section III of the ASMEL-102, current editions. 6 to use the "VR" stamp expires 9 to use the "NR" stamp expires 10 10	ification, or replacement of i Code and the National Boar 	or rules as 01 01 ya anager pectors, and Co.* eplacement has been made or defined in the publication NB-65 ar concerning the yer shall be
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No20 Date, 19, Sign , 19, Sign 	n this report are correct and the repair, modes to Section XI and Section III of the ASME -102, current editions. 6 to use the "VR" stamp expires build to use the "NR" stamp expires build Toledo Edison Repair Orgentation Authorized Represent CERTIFICATE OF mission issued by the National Board of Bo a State or Province of Ohio and employed cted the repair, modification, or replacement that to the best of my knowledge and belief, n XI and Section III of the ASME Code and Inspector nor his employer makes any wan ascribed in this report. Furthermore, neither injury or property damage or a loss of any in	ification, or replacement of i Code and the National Boar 	or rules as 01 01 ya anager pectors, and Co.* eplacement has been made or defined in the publication NB-65 ar concerning the yer shall be
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No20 Date 19 Sign I, the undersigned, holding a valid corr certificate of competency issued by the of <u>Johnston, R.I.</u> have inspe- on, 19 and state to constructed in accordance with Section NB-102, current editions. By eigning this certificate, neither the repair, modification or replacement do table in any manner for any personal this inspection.	n this report are correct and the repair, models to Section XI and Section III of the ASMEL-102, current editions.	ification, or replacement of i Code and the National Boar 	c rules as 01 01 y & anager pectors, and Co.* eplacement has been made or defined in the publication NB-65 ar concerning the yer shall be d with
relief device described above conform defined in publications NB-65 and NB Certificate of Authorization No31 Certificate of Authorization No20 Date, 19, Sign I, the undersigned, holding a valid corr certificate of competency issued by the of <u>Johnston, R.I.</u> have inspe- on, 19 have inspe- on, 19 have inspe- on, 19 have inspe- on structed in accordance with Section NB-102, current editions. By signing this certificate, neither the repair, modification or replacement do table in any manner for any personal this inspection.	n this report are correct and the repair, modes to Section XI and Section III of the ASME- 102, current editions.	ification, or replacement of i Code and the National Boar 	c rules as 01 01 y & anager pectors, and Co.* eplacement has been made or defined in the publication NB-65 at concerning the yer shall be d with

	Edicon Company		Date	4/19/00			
	Edison Company			eet 1 of 1			
	dison Ave., Toledo, OH 43						
2. Plant <u>Davis-E</u>	Besse Nuclear Power Stat			#1			
<u> </u>	SR 2, Oak Harbor, OH 43	449		O. 99-005148-020 Repeir Organization P.O. No	, Job No., et		
Work Performed	ByN	ompany	Type Code	StampNR			
	SR 2, Oak Harbor, OH 43			ation N020			
				tion Date			
4 Identification of	Systems <u>Steam Gene</u>	rator #2 Drain Line	EBB-5-1	2-H2 C-455 (Subs	<u>sys 063</u>	-01)	
			tion 19 <u>67</u>			Code Case N	<u>/A</u>
5. (a) Applicable (Construction Code <u>ANSI</u>						
(b) Applicable	Edition of Section XI Utiliz						
(c) Design Res	ponsibilities <u>Lisega</u>	,,,,,				<u> </u>	
	6. Identification of Comp	opents Repaired o	r Replaced	and Replacement (Compo	nents	
	6. Identification of Comp	Unerris rispaned e			1		[
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Built	Repaired Replaced or Replacement	St
Snubber	Lisega	61195/84	N/A	C-455	N/A	Replaced	[
Snubber	Lisega	61195/52	N/A	C-455	N/A	Replacement	
					<u> </u>		
				<u> </u>			╋
							╉╴
			tion of Wor	 k	1		_
	r 6/N 61185/84 was removed ar	7. Descrip nd replaced with a like	for like Lisega	snubber \$/N 61195/52.			
Lisega hydraulic shubbe	y tested satisfactory prior to In	stallation.					
					`		
	•						
						(IIO) Other (N	<u>ה</u>
8. Tests Conducted	: Hydrostatic (NO) Pressure <u>N/A</u>) Nor	ninal Operating Pres Test Temperature_			, - ,
Pressure Re	lief Valves:						
1	Service_N/A					le)N/A	
	Opening Pressure	<u> </u>			Pusab		
	Set Pressure and Blow		Made Usin	gN/A	Tust Hediu		

FORM NIS-2 /NR-1 / NVR-1 -	_
	Applicable Manufacturers Data Reports to be Attached
14	
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement the ASME Code Section XI.	conforms to the rules of
Expiration No. 20 Expiration	tion Date
Type Code Symbol <u>NR</u> Ceruitate of Automatation No. <u></u> Signed <u>WS tarm</u> <u>Nuclear Safety & Inspection Manager</u> Date <u>4</u>	120 10 2000
Oving/or Owner's Designee, The	
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure V. State or Province ofOhioand employed byFactory Mutual ins. Co. "ofJohnsto State or Province ofOhioand employed byFactory Mutual ins. Co." ofJohnsto	n R.I.
State or Province of <u>Ohio</u> and employed by <u>Pactory Mutual Its. Co.</u> of <u>$9.23-99$</u> to <u>$1000000000000000000000000000000000000$</u>	tive measures
the second se	molied, concerning the
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or is examinations and corrective measures described in the Owner's Report. Furthermore, neither the Inst shall be liable in any manner for any personal injury or property damage or a loss of any kind arising it this hearantien.	spector nor his employer from or connected with
this inspection.	A OH.
Date Commissions NS 95-01 N I	and Endorsements
Inspectory Signature Date National Board, State, Province	
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replace relief device described above conforms to Section XI and Section III of the ASME Code and the Nati defined in publications NB-65 and NB-102, current editions.	ement of the pressure ional Board rules as
	, <u>20</u> 01
Certificate of Authorization No to use the "NR" stamp expiresJuly 17	uclear Safety &
In the Signed Toledo Edison	spection Manager
Date 19, Signed Repair Organization Authorized Representative	Tita
CERTIFICATE OF INSPECTION	Manage Incompany and
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure	vessel inspectors, and Mutual Ins. Co.*
certificate of competency issued by the State or Province ofOhio_ and employed byFactory	
of <u>Johnston, R.I.</u> have inspected the repair, modification, or replacement described in this	instion, or replacement has been made or
on, 19 and state that to the best of my knowledge and belief, this repair, modific constructed in accordance with Section XI and Section III of the ASME Code and the National Boar NB-102, current editions.	d rules as defined in the publication NB-65 and
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or repair, modification or replacement described in this report. Furthermore, neither the inspector nor liable in any manner for any personal injury or property damage or a loss of any kind arising from o this inspection.	
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Commissions	
Commissions	rovince and Endorsements
Commissions	rovince and Endorsements

Page 210

	IIS-2 / NR-1 / -NVR-1 -(As Required I	by the Provisions of	of the ASME	Code Section XI			
Owner Toledo	Edison Company		Date	4/19/00			
	dison Ave., Toledo, OH 4		Sh	eet 1 of 1			
	Besse Nuclear Power Stat		Unit			<u></u>	
	Num SR 2, Oak Harbor, OH 43		W	.0.99-005148-026 Repeir Organization P.O. No.,	Joh Ma. at		
	Addense Contraction of C		Type Code	StampNR			
3. Work Performed	New	2449	Authoriz	ation N020			
<u>5501 N</u>	Addem	<u></u>		tion Date			
		(((•				
4. Identification of	SystemsSample Line						/#
	Construction Code <u>ANSI</u>		tion 19 <u>67</u>		A	Code Case	<u>/A</u>
(b) Applicable	Edition of Section XI Utiliz	zed for Repairs or	Replaceme	nts 19 <u>86</u>			
	sponsibilities <u>LIsega</u>						
	6. Identification of Comp	Deneired a	Replaced	and Replacement C	Compo	nents	
	6. Identification of Comp	onents Repaired C	Replaced				
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	61195/32	N/A	C-465	N/A	Replaced	No
Snubber	Lisega	61195/39	N/A	C-465	N/A	Replacement	No
							┼──
·····		7. Descrip	tion of Worl	K			
lsega hydraulic enubbo	er S/N 61195/32 was removed an	nd replaced with a like	for like Lisega	I ERUDDER BIN GI ISSISS.			
Snubber was functional	y tested satisfactory prior to in						
	•						
· · · · · · · · · · · · · · · · · · ·							
8. Tests Conducted	: Hydrostatic (NO) Pressure <u>N/A</u>) Non	ninal Operating Pres Test Temperature_			0)
Pressure Re				SizeN/A_			
	Service <u>N/A</u>				plicabl	e)N/A	-
		#U/A		Diongonn (n eb	F		
	Opening Pressure			a N/A			
	Opening Pressure Set Pressure and Blowd			gN/A	Tost Hadim	• •	_

	FORM NIS-2 /NR-1 / NVR-1
	9. REMARKS Applicable Manufactures Data Reports to be Atlached
£	
A	
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in t	the report are correct and this <u>replacement</u> conforms to the rules of
the ASME Code Section XI.	ertificate of Authorization No20 Expiration Date7-17-01
AWSE	Nuclear Safety & Inspection Manager Date 4/20 -19-2000
Signed	ar er Owner's Designes, Title
	CERTIFICATE OF INSERVICE INSPECTION
the undersigned holding a valid commission	the stand of the second of the second of the second pressure vessel inspectors in the
tate or Province ofOhioand employ	red by Factory Mutual Ins. Co. of Johnston, R.I. Johnston, R.I. bio Ourse's Benott during the period 9-23-29 to 4/30-00, and state
nave inspected the components described in t	red by <u>Factory mutual ins. (c)</u> of <u>$9.23-29$</u> to $4-2-20$, and state his Owner's Report during the period $9.23-29$ to $4-2-20$, and state e Owner has performed examinations and taken corrective measures with the requirements of the ASME Code. Section XI.
	e with the requirements of the ASME Code, Section XI.
lescribed in this Owner's Nepon in accordance	
By signing this certificate, neither the Inspecto	r nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures descrit	r nor his employer makes any waitany, explored the inspector nor his employer bed in the Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
shall be liable in any manner for any personal	Hilmlà et hickorià annuella et arte et anà marte a
this inspection.	NE CON NT A OHIO
	Date Commissions <u>NB 9801 N F A Commis</u> National Board, State, Province and Endorsements
Gial -	
HISPBCLUGS GIGI ALLING	CERTIFICATE OF COMPLIANCE
We certify that the statements made in this n	CERTIFICATE OF COMPLIANCE eport are correct and the repair, modification, or replacement of the pressure action XI and Section III of the ASME Code and the National Board rules as
We certify that the statements made in this n relief device described above conforms to Se defined in publications NB-65 and NB-102, c	CERTIFICATE OF COMPLIANCE eport are correct and the repair, modification, or replacement of the pressure action XI and Section III of the ASME Code and the National Board rules as urrent editions.
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We certify that the statements made in this n relief device described above conforms to Se defined in publications NB-65 and NB-102, c Certificate of Authorization No Certificate of Authorization No Dete	CERTIFICATE OF COMPLIANCE aport are correct and the repair, modification, or replacement of the pressure action XI and Section III of the ASME Code and the National Board rules as urrent editions. to use the "VR" stamp expires Dec. 13, 2001 to use the "NR" stamp expires July 17, 2001 Nuclear Safety &
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I Owner Toledr	Edison Company		Date	5/2/00			
	Him Him Ave., Toledo, OH 4			neet 1 of 1			
	Add: 105		Init	<u></u> #1			
	Besse Nuclear Power Stat						
	SR 2. Oak Harbor. OH 4			Nepar Organization P.O. H	W., 900 110.,		
3. Work Performed	Harne .			tamp <u>NR</u>			
<u>5501 N</u>	I. SR 2. Oak Harbor. OH 4	3449		on NO20			
			-	n Date7-17-0			
4. Identification of a	Systems <u>Main Steam</u>	from Stm Gen 1-2	3A-EBB	<u>-1-H1 (X) A-42 (S</u>	ubsys (083-01)	
	Construction CodeANS			Addendum <u>N</u>			<u>I/A</u>
• • • • •	Edition of Section XI Utilize						
			placement				
(c) Design Res	ponsibilities ITT Grin	nell					
	6. Identification of Com	ponents Repaired o	r Replaced	and Replacement C	ompone	ints	
	•					i I	
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 Stam
Snubber	ITT Grinnell	18288	N/A	A-42	N/A	Replaced	No
Snubber	ITT Grinnell	14478	N/A	A-42	N/A	Replacement	No
		ļ	ļ				
	<u> </u>		╂────	· · · · · · · · · · · · · · · · · · ·			
		7. Descript	tion of Worl				
	raulic snubber 6/N18288 was r			ike snubber S/N 14478.			
Replacement snubber wa	is functionally tested satisfacto	ry prior to installation.					
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		<u> </u>					
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			•				
8. Tests Conducted:	Hydrostatic (NO)	Pneumatic (NO)	Nor	inal Operating Press	ure (N	0) Other (N	0)
0	Pressure <u>N/A</u>			est Temperature	<u>N/A</u>	•F	
Pressure Reli	ef Valves:						
	Service_N/A			Size <u>N/A</u>			
	Opening Pressure			Blowdown (if applic	able)	<u>N/A</u>	
	Set Pressure and Blowdo	own Adjustments M	ade Using_	<u> </u>	wet Hedium	· · · · · · · · · · · · · · · · · · ·	

	FORM NIS-2 /NR-1 / NVR-1 -	
	8. REMARKS Applicable Manufacharers Data Reports to be Assorbed	
N		
	CERTIFICATE OF COMPLIANCE	
the ASME Code Section XI.	nts made in the report are correct and this <u>replacement</u> conforms to the rules of	
	Expiration Date	
Signed Mr.S.Z	H_ Certificate of Automization No Kuclear Safety & Inspection Manager Date 5/3/2000 Ourser or Cempre Designee, Tile	
	OF THE OF INSERVICE INSPECTION	
State or Province ofOhio	commission issued by the National Board of Boller and Pressure Vessel inspectors in the and employed by <u>Factory Mutual Ins. Co.</u> for <u>Johnston, R.I.</u> escribed in this Owner's Report during the period <u>913190</u> to <u>513100</u> , and state and belief the Owner has performed examinations and taken corrective measures	
lescribed in this Owner's Report in	n accordance with the requirements of the ASME Code, Sector A.	
By signing this certificate, neither ti	the Inspector nor his employer makes any warranty, expressed or implied, concerning the	
examinations and corrective measure that be liable in any manner for an	sures described in the Owner's Report. Fulliations, induce all an approver the trace of the second state o	
	Flalos NR GZZA "IT"A" OHIO	
Themas & Japa_ Inspector's Signature	5300 Commissions NB 9330 N F A OHIO Date National Board, State, Province and Endorsements	
milef davies described above COD	CERTIFICATE OF COMPLIANCE ade in this report are correct and the repair, modification, or replacement of the pressure forms to Section XI and Section III of the ASME Code and the National Board rules as	
defined in publications NB-65 and	J ND 400 summer additions	
Active at here are the set	Q ND-102, CUITERT BUILOTS.	
	d NB-102, current editions. to use the "VR" stamp expiresDec. 13,2001	
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Certificate of Authorization No Certificate of Authorization No	316 to use the "VR" stamp expires Dec. 13 2001 20 to use the "NR" stamp expires July 17 2001 Nuclear Safety & Nuclear Safety & Inspection Manager Signed Teledo Edison Tele	
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Certificate of Authorization No Certificate of Authorization No Date, 19,	318 to use the "VR" stamp expires Dec. 13 2001 20 to use the "NR" stamp expires July 17 2001 Signed Teledo Edison Nuclear Safety & Inspection Manager Repair Organization Authorized Representative Trice CERTIFICATE OF INSPECTION d commission issued by the National Board of Boller and Pressure Vessel Inspectors, and	
Certificate of Authorization No Certificate of Authorization No Date, 19, I, the undersigned, holding a valid certificate of competency issued b	316 to use the "VR" stamp expires Dec. 13 2001 20 to use the "NR" stamp expires July 17 2001 Signed Teledo Edison Nuclear Safety & Repair Organization Authorized Representative Title CERTIFICATE OF INSPECTION d commission issued by the National Board of Boller and Pressure Vessel Inspectors, and by the State or Province of	
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Certificate of Authorization No Certificate of Authorization No Date, 19, I, the undersigned, holding a valid certificate of competency issued to of <u>Johnston, R.I.</u> have in on, 19 and si constructed in accordance with So	316 to use the "VR" stamp expires Dec. 13 2001 20 to use the "NR" stamp expires July 17 2001 Signed Teledo Edison Nuclear Safety & Repair Organization Authorized Representative Title CERTIFICATE OF INSPECTION d commission issued by the National Board of Boller and Pressure Vessel Inspectors, and by the State or Province of	e or B-6!
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Certificate of Authorization No Certificate of Authorization No Date, 19 I, the undersigned, holding a valid certificate of competency issued b of <u>Johnston, R.I.</u> have in on, 19 and si constructed in accordance with S- NB-102, current editions. By signing this certificate, neither repair, modification or replacement liable in any manner for any pers		e or B-6!
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Certificate of Authorization No Certificate of Authorization No Date, 19, I, the undersigned, holding a valid certificate of competency issued b of Johnston, R.I have is on, 19 and s constructed in accordance with So NB-102, current editions. By signing this certificate, neither repair, modification or replacement lable in any manner for any person this inspection.	316 to use the "VR" stamp expires Dec. 13 2001 20 to use the "NR" stamp expires July 17 2001 Nuclear Safety & hspection Manager Signed Teledo Edison Automation Representative Reprint Organization Automation Representative Tele CERTIFICATE OF INSPECTION decomplexity of the National Board of Boller and Pressure Vessel Inspectors, and by the State or Province of Ohio and employed by Factory Mutual Ins. Co." inspected the repair, modification, or replacement described in this report state that to the best of my knowledge and belief, this repair, modification, or replacement has been madification XI and Section III of the ASME Code and the National Board rules as defined in the publication N and the inspector nor his employer makes any warranty, expressed or implied, concerning the ent described in this report. Furthermore, neither the inspector nor his employer shall be sonal injury or property damage or a loss of any kind arising from or connected with Commissions	e or B-6!
Certificate of Authorization No Certificate of Authorization No Date, 19 I, the undersigned, holding a valid certificate of competency issued b of <u>Johnston, R.I.</u> have in on, 19 and si constructed in accordance with S- NB-102, current editions. By signing this certificate, neither repair, modification or replacement liable in any manner for any pers	<u>318</u> to use the "VR" stamp expires <u>Juc. 13</u> , <u>2001</u> <u>20</u> to use the "NR" stamp expires <u>July 17</u> , <u>2001</u> <u>Nuclear Safety &</u> <u>Nuclear Safety & <u>Nuclear S</u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u>	e or B-6t

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Owner Toled	o Edison Company		Date	5/2/00		<u> </u>	
	adison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
	Besse Nuclear Power Stat		Joit	#1			
	Name			WO 99-005148-036			
	N. SR 2. Oak Harbor. OH 4:			Repair Organization P.O. N	io., Job No.	, eic.	
	By Toledo Edison C						
5501	N, SR 2, Oak Harbor, OH 4:	3449		ion NO20			
			-	on Date7-17-0		`	
Identification of	Systems <u>Main Steam</u>	from Stm Gen 1-2	3A-EBB	<u>-1-H1 (Z) A-43</u>	<u>(Su</u>	<u>bsys 083-01)</u>	<u> </u>
	Construction Code		ition 19 <u>67</u>			Code Case N	<u>I/A</u>
				o 10 86			
• • • • •	Edition of Section XI Utilize		врасенный	3 18 <u>00</u>			
(c) Design Res	sponsibilities ITT Grin	nell					
	6. Identification of Comp	oonents Repaired o	or Replaced	and Replacement Co	ompone	ents	
			<u> </u>				
me 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	ITT Grinnell	18292	N/A	A-43	N/A	Replaced	No
Snubber	ITT Grinnell	74402397	N/A	A-43	N/A	Replacement	No
			ļ	<u> </u>			
		1				· · · · · · · · · · · · · · · · · · ·	
		7. Descrip	tion of Work	k	<u></u>		
iting ITT Grinnell hyd	iraulic enubber S/N 18292 was n	emoved and replaced	with a like for	like snubber S/N 744023	97.		
lacement snubber w	as functionally tested satisfactor	ry prior to installation.					
				<u></u>			
			•				
	Hydrostatic (NO) Pressure <u>N/A</u>			ninal Operating Press est Temperature			D)
. Tests Conducted:							
. Tests Conducted: Pressure Rel							
	ief Valves: Service <u>N/A</u>	- 		SizeN/A			
	ief Valves:	N/A	······	Size <u>N/A</u> Blowdown (if applic			
. Tests Conducted: Pressure Rel	ief Valves: Service <u>N/A</u>			Biowdown (if applic		N/A	

	FORM NIS-2 /NR-1 /	
	S. REMARKS	Applicable Manufacturers Data Reports to be Attached
ιλ		
We certify that the statements made in the the ASME Code Section XI.		ment conforms to the rules of
Type Code Symbol NR Cert	ficate of Authorization No20	_ Expiration Date
staned Shisteren, J	Nuclear Safety & Inspection Mani r Genera Designes, Tile	ager Date 5/3/2 - +9-
/ Owner d		
I, the undersigned, holding a valid commission is State or Province of <u>Ohio</u> and employed have inspected the components described in this that to the best of my knowledge and belief, the of described in this Owner's Report in accordance to	Owner's Report during the period	Ind Pressure Vessel inspectors in the Johnston, R.L 1349 to <u>513100</u> , and state & taken corrective measures
By signing this certificate, neither the inspector n examinations and corrective measures described shall be itable in any manner for any personal inju- this inspection.	I in the Owner's Heport. Furthermore ity or property damage or a loss of ar	wind arising from or connected with
Thomas M Lips 5	3/00 Commissions NB9	336 NIA COMM.
	CERTIFICATE OF CO	
We certify that the statements made in this reported device described above conforms to Sector defined in publications NB-65 and NB-102, curr Certificate of Authorization No. 316 4	rt are correct and the repair, modifics on XI and Section III of the ASME Coo ent editions.	tion, or replacement of the pressure le and the National Board rules as
relief device described above conforms to Sector defined in publications NB-65 and NB-102, curr Certificate of Authorization No316 to	et are correct and the repair, modifica on XI and Section III of the ASME Coc ent editions. b use the "VR" stamp expires	tion, or replacement of the pressure le and the National Board rules as Dec. 13,2001 July 17,2001
relief device described above conforms to Sector defined in publications NB-65 and NB-102, curr Certificate of Authorization No to Certificate of Authorization No to	nt are correct and the repair, modifica on XI and Section III of the ASME Coo ent editions. o use the "VR" stamp expires o use the "NR" stamp expires	tion, or replacement of the pressure le and the National Board rules as <u>Dec. 13, 2001</u> <u>July 17, 2001</u> Nuclear Safety &
relief device described above conforms to Section defined in publications NB-65 and NB-102, curr Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed Toles	nt are correct and the repair, modifica on XI and Section III of the ASME Coo ent editions. o use the "VR" stamp expires o use the "NR" stamp expires	tion, or replacement of the pressure le and the National Board rules as Dec. 13,2001 July 17,2001
relief device described above conforms to Section defined in publications NB-65 and NB-102, curre Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Date, Signed to Date, Signed	nt are correct and the repair, modifica on XI and Section III of the ASME Coo ent editions. b use the "VR" stamp expires b use the "NR" stamp expires to Edison	tion, or replacement of the pressure le and the National Board rules as Dec. 13
relief device described above conforms to Section defined in publications NB-65 and NB-102, curr Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed Toles	In the repair, modification XI and Section III of the ASME Coordinations.	tion, or replacement of the pressure le and the National Board rules as Dec. 13
relief device described above conforms to Section defined in publications NB-65 and NB-102, current Certificate of Authorization No 18 to Certificate of Authorization No 20 to Date, 19, Signed Repair	ent are correct and the repair, modifica on XI and Section III of the ASME Cor- ent editions. In use the "VR" stamp expires on use the "NR" stamp expires to be the "NR" stamp expires be the "NR" stamp expires be the "NR" stamp expires course the "NR" stamp expires be the stamp expires be the "NR" stamp expires be the stamp expires certificate of the stamp expires	tion, or replacement of the pressure te and the National Board rules as Dec. 13
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relief device described above conforms to Section defined in publications NB-65 and NB-102, curr Certificate of Authorization No to Certificate of Authorization No to Date, 19, Signed to Date, 19, Signed to Date, 19, Signed to Repair I, the undersigned, holding a valid commission is certificate of competency issued by the State or of <u>Johnston, R.I.</u> have inspected the re-	In the repair, modification, or replacement de la contraction de la contractidade la contraction de la	tion, or replacement of the pressure te and the National Board rules as Dec. 13
relief device described above conforms to Section defined in publications NB-65 and NB-102, curr Certificate of Authorization No to Date, 19, Signed to Date, 19, Signed Repair I, the undersigned, holding a valid commission is certificate of competency issued by the State or of have inspected the m on, 19 have inspected the m on, 19 and state that to the constructed in accordance with Section XI and S	In the repair, modification and the repair, modifications. Dues the "VR" stamp expires	tion, or replacement of the pressure te and the National Board rules as Dec. 13
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relief device described above conforms to Section defined in publications NB-65 and NB-102, curr Certificate of Authorization No to Date, 19, Signed to Date, 19, Signed to Date, 19, Signed to Date, 19, Signed to Repare I, the undersigned, holding a valid commission is certificate of competency issued by the State or of have inspected the m on, 19 have inspected the m on, 19 and state that to the constructed in accordance with Section XI and S NB-102, current editions. By signing this certificate, neither the Inspector repair, modification or replacement described in liable in any manner for any personal injury or p	In the repair, modification and the repair, modifications. Dues the "VR" stamp expires	tion, or replacement of the pressure te and the National Board rules as Dec. 13

FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S REI	PORT FO	R REPAIRS OR E Code Section XI	REPL	ACEMENTS	
1 Owner Talad	Edison Company		Date	5/2/00			
	Name			heet 1 of 1			
	idison Ave., Toledo, OH 4			#1			
2. Plant Davis-	Besse Nuclear Power Stat	tion l				<u></u>	
	. SR 2. Oak Harbor. OH 43			WO 99-005148-038 Repair Organization P.O. N	lo., Job No.	, eic.	
3. Work Performed	By	Company T	ype Code S	tamp <u>NR</u>	•		
	I. SR 2, Oak Harbor, OH 4 Addees			ion N0. <u>20</u>			
			Expiration	on Date <u>7-17-0</u> Bans/slo ²	1		
4. Identification of	SystemsContainment	Spray System 3	4-GCB-5-H	A-92 (Subsys	061-01)	-
	Construction CodeANSI			Addendum <u>N</u>		Code Case N	Ά
(b) Applicable	Edition of Section XI Utilize	d for Repairs or Re	eplacements	s 19 <u>86</u>			
(c) Design Res	ponsibilities ITT Grin	nell		-	<u></u>		
	6. Identification of Comp	oonents Repaired o	r Replaced	and Heplacement C	ompone		
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	ITT Grinnell	16150	N/A	A-92	N/A	Replaced	No
Snubber	ITT Grinnell	21303	N/A	A-02	N/A	Replacement	No
			<u> </u>		 		
						<u> </u>	1
							1
	l	7. Descrip	tion of Work	ζ	1	· · · · · · · · · · · · · · · · · · ·	4
-	raulic snubber S/N16150 was re	moved and replaced w	with a like for i	lke snubber S/N 21303.			
Replacement snubber wa	is functionally tested satisfactor	ry prior to installation.					
		· · ·					
			•				
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>			inal Operating Press	•)
Pressure Reli	ef Valves:						
	Service_N/A			SizeN/A			
	Opening Pressure			Biowdown (if applic	able)	<u>_N/A</u>	
	Set Pressure and Blowdo	wn Adjustments M	ade Using_	<u>N/A</u>	est. Biskins 1		
	at_N/A			Lesetien I			
NOTE: Supplements (2) Information in number of sheets	al sheets in the form of n items 1 through 6 on th is recorded at the top of	lists, sketches, his report is inc: f this form.	or drawing luded on sa	s may be used, prov ch sheet, and (3) e	ided (1 ach she	l) size is 6% x 1 het is numbered a	1 in. nd the

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FORM NIS-2 /	
S. REMAR	ICS Applicable Manufacturers Data Reports to be Attached
A	
CEDTIFICATE	OF COMPLIANCE
We certify that the statements made in the report are correct and this the ASME Code Section XI.	replacement conforms to the rules of
Type Code Symbol <u>NR</u> Certificate of Authorization No Signed Starts Starts Authorization No Complete Complete Comp	20 Expiration Date7-17-01
Signed Sh. Starras A Nuclear Safety & inspec	ction Manager Date 3/5/ 19
Owner er Owner's Designes, Tille	
the undersigned, holding a valid commission issued by the National Board of State or Province of <u>Chio</u> and employed by <u>Factory Mutual Ins.</u> have inspected the components described in this Owner's Report during the is that to the best of my knowledge and belief, the Owner has performed examinations isocribed in this Owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in this owner's Report in accordance with the requirements of the isocribed in the i	As a concerning the sector of
ay signing this certaicate, nearly rule inspector for his chaptor in the owner's Report. Fur examinations and corrective measures described in the Owner's Report. Fur thall be liable in any manner for any personal injury or property damage or a	TRATTORS, NEITHEF BIG ALSDECTOF FOR THE WITHOVE
his inspection.	
Thomas & Jans 5/3/00 Commissions	NB 9330 N I A amp.
napector's Signature () Delle Nati	ional Board, State, Province and Endorsements
CEDITECATE	
We certify that the statements made in this report are correct and the repair,	OF COMPLIANCE , modification, or replacement of the pressure SME Code and the National Board rules as
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions.	, modification, or replacement of the pressure SME Code and the National Board rules as
We certify that the statements made in this report are correct and the repair,	, modification, or replacement of the pressure SME Code and the National Board rules as s Dec, 13,2001 s Juty 17,2001
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expire: Certificate of Authorization No to use the "NR" stamp expire:	, modification, or replacement of the pressure SME Code and the National Board rules as s Dec. 13,2001 s Juty 17,2001
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp expire: Certificate of Authorization No. <u>20</u> to use the "NR" stamp expire:	, modification, or replacement of the pressure SME Code and the National Board rules as s <u>Dec. 13</u> , <u>20</u> 01 s <u>July 17</u> , <u>2001</u> Nuclear Safety & Inspection Manager
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp copies: Certificate of Authorization No to use the "NR" stamp copies: Date, 19, Signed Toledo Edison Repair Organization Autoouse Rep	, modification, or replacement of the pressure SME Code and the National Board rules as s <u>Dec. 13</u> , <u>20</u> 01 s <u>July 17</u> , <u>2001</u> Nuclear Safety & Inspection Manager
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expire: Certificate of Authorization No to use the "NR" stamp expire: Date, 19, Signed Toledo Edison Repar Organization Authorization	, modification, or replacement of the pressure SME Code and the National Board rules as s,
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We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No16 to use the "VR" stamp expire: Certificate of Authorization No20 to use the "NR" stamp expire: Date, 19, Signed Teledo Edison Reper Organization CERTIFICATE I, the undersigned, holding a valid commission issued by the National Board certificate of competency issued by the State or Province of Oho and	, modification, or replacement of the pressure SME Code and the National Board rules as s
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No	, modification, or replacement of the pressure SME Code and the National Board rules as s
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We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expires Certificate of Authorization No to use the "NR" stamp expires Date, 19, Signed to use the "NR" stamp expires Date, 19, Signed Toledo Edison CERTIFICATE I, the undersigned, holding a valid commission issued by the National Board certificate of competency issued by the State or Province of Ohio_ and of, 19 have inspected the repair, modification, or replace on, 19 and state that to the best of my knowledge and the constructed in accordance with Section XI and Section III of the ASME Code	modification, or replacement of the pressure SME Code and the National Board rules as s
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No to use the "VR" stamp expires Certificate of Authorization No to use the "NR" stamp expires Date, 19, Signed to use the "NR" stamp expires Date, 19, Signed Teledo Edison CERTIFICATE I, the undersigned, holding a valid commission issued by the National Board certificate of competency issued by the State or Province of Oho and of have inspected the repair, modification, or replace on, 19 and state that to the best of my knowledge and the constructed in accordance with Section XI and Section III of the ASME Code	, modification, or replacement of the pressure SME Code and the National Board rules as s
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No16 use the "VR" stamp expires Certificate of Authorization No16 use the "VR" stamp expires Certificate of Authorization No10 use the "NR" stamp expires Certificate of Authorization No0 to use the "NR" stamp expires Date, 19SignedReper OrgenizationAuthorize the Date	, modification, or replacement of the pressure SME Code and the National Board rules as s
We certify that the statements made in this report are correct and the repair, relief device described above conforms to Section XI and Section III of the A defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No	, modification, or replacement of the pressure SME Code and the National Board rules as s

Page 218

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FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S RE	of the ASM	R REPAIRS OR E Code Section XI	KEPL	AUEMENIS	
. Owner Toledo	Edison Company		Date	5/9/00			
	Name Idison Ave., Toledo, OH 4		S	heet 1 of <u>1</u>			
	Address Besse Nuclear Power Stat		Jnit	<u>#1</u>			
	Num SR 2. Oak Harbor, OH 43		-	WO 99-005148-046			
				Repair Organization P.O. N	lo., Job No.	etc.	
3. Work Performed	By Toledo Edison C	in the second se					
<u> </u>	I. SR 2. Oak Harbor. OH 43	3449		ion N0. <u>20</u>			
				on Date7-17-0			
4. Identification of a	Systems <u>Pressurizer</u>	30-CCA-8-H4	<u>C-125 (</u>	<u>Subsys 064-04)</u>			
5 (a) Applicable (Construction Code	<u>B31.1</u> Ed	ition 19 <u>67</u>	Addendum <u>N</u>	Ά	Code Case	/A
	Edition of Section XI Utilize		eplacement	s 19 <u>86</u>			
			•				
(c) Design Res	ponsibilities ITT Grin						
	6. Identification of Comp	onents Repaired o	or Replaced	and Replacement C	ompone	ents	·
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	ITT Grinnell	11188	N/A	C-125	N/A	Replaced	No
Snubber	ITT Grinnell	30224	N/A	C-125	N/A	Replacement	No
					ļ		
				<u>}</u>			
			<u> </u>				
		7. Descrip	tion of Work	<u> </u>	L		·
Existing ITT Grinnell hyd	raulic snubber S/N 11188 was n	emoved and replaced	with a like for	like snubber S/N 30224.			
Replacement anubber S/	N 30224 was rebuilt by WO 99-00	05150-000. Replaceme	nt snubber wa	is functionally tested sati	stactory	prior to installiation.	
	•	·	·				
<u> </u>						· · · · · · · · · · · · · · · · · · ·	
<u></u>							
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>			inal Operating Press est Temperature	•	-))
Pressure Rel							
	Service_N/A			Size <u>N/A</u>	able)	N/A	
	Opening Pressure			Blowdown (if applic	aDIB)	<u></u>	
	Set Préssure and Blowdor		ade Using_	N/A	et Hedius)		
	a <u>t N/A</u>			Leastion			• •
1 /31 Toformation 11	al sheets in the form of n items 1 through 6 on th is recorded at the top of	ILS ISDOLT IN THC:		a mark he used arou	ided (1 ach she) size is \$% x 1 et is numbered a	1 in. nd the

		FU	ORM NIS-2 /N	N-1/33711-1-			
			9. REMARKS		Applicable Manufactu	rers Data Reports to be Atta	ched
/A							
							<u> </u>
		c	ERTIFICATE OF	COMPLIANCE		·······	
We certify that the ASME Cou	the statements made te Section XI.	in the report are c	correct and this			to the rules of	
Type Code Sy	mbol <u>NR</u>	Certificate of Aut	thorization No	Ex	piration Date	<u>-17-01</u>	
Signed	Stame, J	Nuclea	r Safety & Inspectio	n Manager Date	3/10/0-1	9	
				MOT NICHTOT	011		
State or Province of have inspected the c	olding a valid commis <u>Ohio</u> and en omponents described / knowledge and belie ner's Report in accord	sion issued by the i nployed by <u>Factor</u> I in this Owner's Re of the Owner has p	National Board of ny Mutual Ins. Co. sport during the pe performed examine	nod 5/8/00 t	e Vessel Inspecto on, R.I., o <u>S/II/00</u> , a rrective measure	ind state	
By signing this certifi	cate, neither the Insp	ector nor his employ	yer makes any wa	rranty, expressed of	or implied, concer Inspector por his		
shall be liable in any this inspection.	manner for any perso	snal injury or prope	ny damage or a lo	ss of any kind ansi	ng nom or conner	"OHO "	
thoneyes	Je Lage	5/11/00	Commissions	<u>VB9330</u>	NIA Province and Endo	COIVIM.	
Inspectors Signature			CERTIFICATE O	F COMPLIANCE			
rollef device describ	tatements made in the	is report are correct	CERTIFICATE O	F COMPLIANCE	acement of the D	ressure	
relief device describ defined in publication		is report are correct Section XI and Se 2, current editions.	CERTIFICATE O of and the repair, r action III of the AS	F COMPLIANCE nodification, or rep ME Code and the N	lacement of the p National Board rul	ressure	
relief device describ defined in publicatio Certificate of Autho Certificate of Autho	itatements made in th red above conforms to ns NB-65 and NB-10 rization No. <u>316</u> rization No. <u>20</u>	is report are correct o Section XI and Se 2, current editions. to use the "N to use the "N	CERTIFICATE O of and the repair, r action III of the AS R [*] stamp expires	F COMPLIANCE nodification, or rep ME Code and the M Dec. 13	lacement of the p National Board rul , 2001. Nuclear Safet	ressure (85 83	
relief device describ defined in publicatio Certificate of Autho Certificate of Autho	itatements made in th red above conforms to ns NB-65 and NB-10 rization No. <u>316</u> rization No. <u>20</u>	als report are correct o Section XI and Se 2, current editions. to use the "N to use the "N Toledo Edison	CERTIFICATE O ct and the repair, r ection III of the AS R [*] stamp expires	F COMPLIANCE nodification, or rep ME Code and the M Dec. 13 Juty 17	lacement of the p National Board rul , 2001. Nuclear Safet Inspection Mat	ressure (85 83	
relief device describ defined in publicatio Certificate of Autho Certificate of Autho	tatements made in th ed above conforms to ns NB-65 and NB-102 rization No. <u>316</u>	is report are correct o Section XI and Se 2, current editions. to use the "N to use the "N	CERTIFICATE O ct and the repair, r ection III of the AS R [*] stamp expires	F COMPLIANCE nodification, or rep ME Code and the M Dec. 13 Juty 17	lacement of the p National Board rul , 2001. Nuclear Safet	ressure (85 83	
relief device descrit defined in publicatio Certificate of Autho Certificate of Autho Date	tatements made in the above conforms to ns NB-65 and NB-102 rization No316 rization No20 , 19, Signed	is report are correct o Section XI and Se 2, current editions. to use the "Vi to use the "N to use the "N Toledo Edison Repar Organization	CERTIFICATE O of and the repair, r ection III of the AS R [*] stamp expires IR [*] stamp expires Autionized R CERTIFICATE O	F COMPLIANCE nodification, or rep ME Code and the M Dec. 13 Juty 17 presentative F INSPECTION	acement of the p National Board ruf , 2001. Nuclear Safet Inspection Ma The	ressure les as y & nager	
relief device descrit defined in publicatio Certificate of Autho Certificate of Autho Date	itatements made in th red above conforms to ns NB-65 and NB-10 rization No. <u>316</u> rization No. <u>20</u>	is report are correct o Section XI and Se 2, current editions. to use the "Vi to use the "N to use the "N Toledo Edison Repar Organization	CERTIFICATE O of and the repair, r ection III of the AS R [*] stamp expires IR [*] stamp expires Autionized R CERTIFICATE O	F COMPLIANCE nodification, or repi ME Code and the M 	lacement of the p National Board rul , 2001. Nuclear Safet Inspection Ma This re Vessel Inspecto	ressure es as y & nager ors, and	
relief device descrit defined in publication Certificate of Autho Date I, the undersigned, h	tatements made in the above conforms to ns NB-65 and NB-102 rization No316 rization No20 , 19, Signed	is report are correct o Section XI and Sec 2, current editions. to use the "Vi to use the "N to use the "N Toledo Edison Repar Organization	CERTIFICATE O t and the repair, r action III of the AS R" stamp expires IR" stamp expires Autionized Re CERTIFICATE O National Board of	F COMPLIANCE nodification, or rep ME Code and the M 	acement of the p National Board ruf , 2001. Nuclear Safet Inspection Ma The	ressure es as y & nager ors, and	
relief device descrit defined in publication Certificate of Autho Date	tatements made in the red above conforms to ns NB-65 and NB-102 rization No	als report are correct o Section XI and Se 2, current editions. to use the "VI to use the "N to use the "N	CERTIFICATE O ct and the repair, r action III of the AS R" stamp expires R" stamp expires Authorized Re CERTIFICATE O National Board of <u>Ohio</u> and e cation, or replacer	F COMPLIANCE modification, or rep ME Code and the M Dec. 13 Juty 17 presentative F INSPECTION Boiler and Pressuu mployed byfac ment described in t	lacement of the p National Board rul 	ressure es as y & nager ors, and o,*	
relief device describ defined in publication Certificate of Autho Date	tatements made in the red above conforms to ns NB-65 and NB-102 rization No20	als report are correct o Section XI and Se 2, current editions. to use the "N to use the "N to use the "N <u>Toledo Edison</u> Repar Organization ession issued by the tate or Province of d the repair, modifie	CERTIFICATE O ct and the repair, r action III of the AS R [*] stamp expires Autionized R CERTIFICATE O National Board of <u>Ohio</u> and e cation, or replacer	F COMPLIANCE nodification, or repi ME Code and the M 	lacement of the p National Board rul , 2001. Nuclear Safet Inspection Ma This re Vessel Inspecto ctory Mutual Ins. Co his report diffication. or repla	ressure es as y & nager ors, and o.*	ade or NB-65 at
relief device descrit defined in publication Certificate of Autho Date	tatements made in the red above conforms to ns NB-65 and NB-102 rization No20	als report are correct o Section XI and Se 2, current editions. to use the "VI to use the "NI to use the use to use the "NI to use the use to use	CERTIFICATE O ct and the repair, r section III of the AS R" stamp expires R" stamp expires Authorized R CERTIFICATE O National Board of <u>Ohio</u> and e cation, or replacer knowledge and be the ASME Code a loger makes any w	F COMPLIANCE nodification, or rep ME Code and the M Dec. 13 July 17 F INSPECTION Boiler and Pressue mployed by factors and Pressue factors and Pressue mployed by factors and Pressue factors and Pressue factors and Pressue factors an	acement of the p National Board rul 	ressure les as y & nager ors, and o.* accement has been m ed in the publication eming the ihall be	ade or NB-65 at
relief device descrit defined in publication Certificate of Autho Date	tatements made in the red above conforms to ns NB-65 and NB-102 rization No	als report are correct o Section XI and Se 2, current editions. to use the "N to use the "N to use the "N <u>Toledo Edison</u> Repar Organization estion issued by the tate or Province of d the repair, modifie t to the best of my N I and Section III of the pector nor his emplified in this report. In or property dam	CERTIFICATE O ct and the repair, r section III of the AS R" stamp expires R" stamp expires Authorized R CERTIFICATE O National Board of <u>Ohio</u> and e cation, or replacer knowledge and be the ASME Code a loger makes any w	F COMPLIANCE modification, or repl ME Code and the M 	lacement of the p National Board rul 	ressure es as y & nager ors, and o.* accement has been m ed in the publication aming the shall be in	ade or NB-65 ar
relief device descrit defined in publication Certificate of Autho Date	tatements made in the ed above conforms to ins NB-65 and NB-102 rization No	als report are correct o Section XI and Se 2, current editions. to use the "VI to use the "NI to use the use to use the "NI to use the use to use	CERTIFICATE O ct and the repair, r action III of the AS R" stamp expires R" stamp expires Autionized Re CERTIFICATE O National Board of <u>Ohio</u> and e cation, or replacer the ASME Code a loyer makes any w Furthermore, neithage or a loss of at	F COMPLIANCE modification, or repl ME Code and the M 	acement of the p National Board rul , 2001. Nuclear Safet Inspection Mai The re Vesset Inspects ctory Mutual Ins. Co his report dification, or repla and rules as define l or implied, conce or his employer a	ressure es as y & nager ors, and o.* accement has been m ed in the publication aming the shall be in	ade or NB-65 at

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	NIS-2 / NR-1 / NVR-1 As Required	by the Provisions	or the ASME				
Owner Toledo	Edison Company	(Date	4/30/00		·	
300 Ma	dison Ave., Toledo, OH 43	652	SI	neet 1 of <u>1</u>			
2. Plant Davis-	Autore Besse Nuclear Power Stati	ionU	Jnit	#1			
	. SR 2. Oak Harbor, OH 43			WO 99-005149-004 Repair Organization P.O. N	ha tab Ma		
	By		ype Code S	Hepsik Organization P.O. N tampNR			
	SR 2. Oak Harbor, OH 43			on NO20			
	Address		Expiratio	on Date7-17-0	1		
	Systems Feedwater Pi	ning 588.3-5824					
						Code Case N	/A
• •	Construction Code <u>ANS1</u>			Addendum <u>N</u> /	A	CODE CASE I	
(b) Applicable f	Edition of Section XI Utilize	d for Repairs or Re	placements	s 19 <u>86</u>			
(c) Design Res	ponsibilities ITT Grint	nell					
	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement Co	ompone	nts	
	b. Identification of comp						
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	ITT Grinnell	12484	N/A	C-179	N/A	Replaced	No
Snubber	ITT Grinnell	14200	N/A	C-179	N/A	Replacement	No
			┨		 		+
<u> </u>							
		7. Descrip	tion of Work	<			
	ubber S/N 12484 was removed a		e for like snut	ber 6/N 14200.			
Snubber was functionally	y tested satisfactory prior to Inst	allauon.				<u>.</u>	
	•						
					_		
8. Tests Conducted:	Hydrostatic (NO) PressureN/A			ninal Operating Press Test Temperature			0)
Pressure Rel				0' N/A			
	Service_N/A			SizeN/A Blowdown (if applic		N/A	
	Opening Pressure						
	Set Pressure and Blowdo		ace Using_	N/A	bet Medius :		
	at N/A			Lentin)	vided (1) size is \$% x 3	11 in.
A say build any ablance of	al sheets in the form of n items 1 through 6 on t is recorded at the top o	HIE FEDOLL IS INC	luded on ea	ach sheet, and (3)	ach sh	eet is numbered a	and the

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	FORM NIS-2 /NR-1 / NVR-1
	9. REMARKS Applicable Manufacturers Data Reports to be Attached
A	
We certify that the statements the ASME Code Section XI.	CERTIFICATE OF COMPLIANCE ade in the report are correct and this replacement conforms to the rules of
Type Code SymbolNR	Certificate of Authorization No20 Expiration Date7-17-01
Signed	Confir of Opener's Designes. Title
	CERTIFICATE OF INSERVICE INSPECTION
State or Province of <u>Ohio</u> as have inspected the components desc	nission issued by the National Board of Boiler and Pressure Vessel inspectors in the employed by <u>Factory Mutual Ins. Co. * of</u> Johnston, R.I. bed in this Owner's Report during the period <u>F3J79</u> to <u>5-2-00</u> , and state effet the Owner has performed examinations and taken corrective measures
described in this Owner's Report in a	ordance with the requirements of the ASME Code, Section XI.
manufacture and competitie massing	spector nor his employer makes any warranty, expressed or implied, concerning the described in the Owner's Report. Furthermore, neither the inspector nor his employer rsonal injury or property damage or a loss of any kind arising from or connected with
this inspection.	OH10
Inspector & Signature	J-J-ov Commissions NO 250/ N L A- Commissions No 250/ N L A- Commissions Notional Board, State, Province and Endorsements
	CERTIFICATE OF COMPLIANCE
We certify that the statements made relief device described above confor defined in publications NB-65 and N	this report are correct and the repair, modification, or replacement of the pressure s to Section XI and Section III of the ASME Code and the National Board rules as
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3	this report are correct and the repair, modification, or replacement of the pressure s to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires <u>Dec. 13</u> , <u>2001</u> .
relief device described above confor defined in publications NB-65 and N Ceritficate of Authorization No3	this report are correct and the repair, modification, or replacement of the pressure s to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires <u>Dec. 13</u> , 2001. to use the "NR" stamp expires <u>July 17, 2001</u> .
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires
relief device described above confor defined in publications NB-65 and N Ceritficate of Authorization No3	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires <u>Dec. 13</u> , 2001. to use the "NR" stamp expires <u>July 17</u> , 2001. Nuclear Safety &
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No3 Certificate of Authorization No3 Date, 19, Sk	this report are correct and the repair, modification, or replacement of the pressure s to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires, 2001. to use the "NR" stamp expires, 2001. to use the "NR" stamp expires, 2001. Nuclear Safety & Mispection Manager Repar Organization Austrodized Representative Title CERTIFICATE OF INSPECTION
relief device described above confor defined in publications NB-65 and N Ceritficate of Authorization No Ceritficate of Authorization No Date, 19, Sig	this report are correct and the repair, modification, or replacement of the pressure is to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires
relief device described above confor defined in publications NB-65 and N Ceritificate of Authorization No Ceritificate of Authorization No Date, 19, Sig I, the undersigned, holding a valid co certificate of competency issued by to of Johnston, R.I have insp	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires Dec. 13, 2001. to use the "NR" stamp expires Nutlear Safety & ed Toledo Edison Inspection Manager Repair Organization Authorized Representative The The CERTIFICATE OF INSPECTION mission issued by the National Board of Boller and Pressure Vessel Inspectors, and is State or Province of Ohio and employed by Factory Mutual Ins. Co.* thed the repair, modification, or replacement described in this report
relief device described above confor defined in publications NB-65 and N Ceritificate of Authorization No Ceritificate of Authorization No Date, 19, Sk , the undersigned, holding a valid co certificate of competency issued by t of <u>Johnston, R.I.</u> have insp on, 19 and state constructed in accordance with Secti	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires
relief device described above confor defined in publications NB-65 and N Ceritificate of Authorization No	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions. to use the "VR" stamp expires Dec. 13, 2001. to use the "NR" stamp expires <u>Nuiv 17, 2001.</u> to use the "NR" stamp expires <u>Nuiv 17, 2001.</u> Nuclear Safety & ed Toledo Edison <u>Nuivear Safety &</u> <u></u>
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No	this report are correct and the repair, modification, or replacement of the pressure is to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions.
relief device described above confor defined in publications NB-65 and N Certificate of Authorization No	this report are correct and the repair, modification, or replacement of the pressure to Section XI and Section III of the ASME Code and the National Board rules as 102, current editions.

FORM	NIS-2 / NR-1 / NVR-1 As Required	OWNER'S REI by the Provisions	PORT FO	R REPAIRS OR E Code Section XI	REPL	ACEMENTS	
	o Edison Company		Date	5/8/00			
	Name			iheet 1 of 1			
	adison Ave., Toledo, OH 4		-	_			
2. Plant <u>Davis</u>	Besse Nuclear Power Stat	tion l		#1			
	I. SR 2. Oak Harbor. OH 4			WO 99-005149-006 Repair Organization P.O. N	lo., Job No.	, eic.	
3. Work Performed	By Toledo Edison (Company T	ype Code S	Stamp NR			
	I. SR 2. Oak Harbor. OH 4		Authorizat	lion N0 20		· · · · · · · · · · · · ·	
	Address		Expiratio	on Date7-17-0	1	<u> </u>	
4. Identification of	Systems <u>Feedwater P</u>	iping EBB-3-S	R25 (A)	<u>C-181 (Subsys 04</u>	<u>5-01)</u>		<u> </u>
5. (a) Applicable (Construction CodeANS	1831.1 Ed	ition 19 <u>67</u>	Addendum <u>N</u>	Ά	Code Case N	<u>/A</u>
(b) Applicable I	Edition of Section XI Utilize	d for Repairs or Re	placement	s 19 <u>86</u>			
	ponsibilities ITT Grin					<u>-</u>	
(c) Design Res						<u> </u>	
· · · · · · · · · · · · · · · · · · ·	6. Identification of Comp	onents Repaired o	r Replaced	and Replacement Co	ompone	ents	I
Name of Component	Name of Manufacturer	Manufacturer's Serial NO. 12850 05	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Snubber	ITT Grinnell	-12500-	N/A	C-181	N/A	Replaced	No
Snubber	ITT Grinnell	12476	N/A	C-181	N/A	Replacement	No
			ļ				
			├				
						· · · · · · · · · · · · · · · · · · ·	1
	12850	7. Descrip	tion of Worl	(<u> </u>		
	raulic snubber S/N 12500 was r	emoved and replaced t	with a like for	like snubber S/N 12476.			
Replacement snubber wa	is functionally tested satisfactor	ry prior to installation.					
······································	<u> </u>						
	•						
	<u> </u>		·				
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO) psi		ninal Operating Press est Temperature))
Pressure Reli							
	Service_N/A			SizeN/A			
	Opening Pressure			Blowdown (if applic	aDi0)	N/A	
	Set Pressure and Blowdo	wn Adjustments Ma	ade Using_	<u>N/A</u>	nt Hadium)		
1	at N/A			Location			
NOTE: Supplements (2) Information in number of sheets	al sheets in the form of n items 1 through 6 on th is recorded at the top of	lists, sketches, his report is incl f this form.	or drawing Luded on ea	is may be used, prov ich sheet, and (3) e	ided (1 ach she) size is 5% x l et is numbered a	nd the

		• •	ORM NIS-2 /NR			······
			9. REMARKS		Applicable Manufacturers Dat	ia Reports to be Attached
						
			· · · · · · · · · · · · · · · · · · ·			
	<u></u>					
						·
			CERTIFICATE OF C	OMPLIANCE		s adoc of
We certify the the ASME Co	t the statements mad de Section XI.		correct and this rep		conforms to the	
	mbolNR_	Certificate of Au	thorization No	<u>20</u> Ex	piration Date $7-17-0$	•
Signed	H.W.Sta	Nucle	er Safety & Inspection	Manager Date	<u></u>	
signed		Owner a Damara Design	nee, Tille		_	
the understand i	olding a valid commis	A A A A A A A A A A A A A A A A A A A	National Board of Bo	tor and Dracell	ne vassel inkoegiois el e	he
state or Province of	Ohio and en	nployed by Fac	tory Mutual Ins. Co. 1		nston, RJ. to <u>SALOO</u> , and sta prective measures	te
lescribed in this Ov	ner's Report in accor	dance with the requ	ulrements of the ASM	E Code, Secto	n XI.	
						he
By signing this certi	icate, neither the insp	pector nor his emplo	oyer makes any waite	ncre, neither th	or implied, concerning the Inspector nor his emploing from or connected with the second seco	oyer
maninations and c	omective measures de	consistent in the UW? Ional injury or prone	erty damage or a loss	of any kind aris	ing from or connected w	lth
i i . In an a shi sa	-					
		chha	Commissions 11	RAZZA	NTA OF	HO Dun .
Thomas	D Jupi	<u>=</u>	CommissionsN	loard State. Prov	ince and Endorsements	
nspector's Signature	- 41	* Linellier	* * ***** *** **** ***** ***** ***** ****			
			CERTIFICATE OF	COMPLIANC		
We certify that the	statements made in t	this report are corre	CERTIFICATE OF the tend the repair, more ection III of the ASME	COMPLIANCE		\$
We certify that the relief device descri defined in publicat	statements made in t bed above conforms t ons NB-65 and NB-10	his report are corre to Section XI and S 02, current editions	CERTIFICATE OF tot and the repair, moc ection III of the ASME	COMPLIANC lification, or rep Code and the	E lacement of the pressur National Board rules as	8
We certify that the relief device descri defined in publicat Certificate of Auth	statements made in t bed above conforms t ons NB-65 and NB-10 prization No. <u>316</u>	his report are corre to Section XI and S 02, current editions to use the V	CERTIFICATE OF (tot and the repair, modection III of the ASME /R* stamp expires	COMPLIANC iffication, or rep Code and the Dec. 13	E lacement of the pressur National Board rules as , <u>20</u> 01	8
We certify that the relief device descri defined in publicat Certificate of Auth	statements made in t bed above conforms t ons NB-65 and NB-10 prization No. <u>316</u>	his report are corre to Section XI and S 02, current editions to use the V	CERTIFICATE OF (tot and the repair, modection III of the ASME /R* stamp expires	COMPLIANC iffication, or rep Code and the Dec. 13	E lacement of the pressur National Board rules as , <u>20</u> 01	8
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth	statements made in t bed above conforms t ons NB-65 and NB-10 orization No316_ orization No20_	this report are corre to Section XI and S 02, current editions to use the *V	CERTIFICATE OF tection III of the ASME	COMPLIANC illication, or rep Code and the 1 Dec. 13 July 17	E lacement of the pressur National Board rules as ,2001 ,2001 Nuclear Safety &	8
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth	statements made in t bed above conforms t ons NB-65 and NB-10 orization No316_ orization No20_	this report are corre to Section XI and S 02, current editions to use the *V	CERTIFICATE OF tection III of the ASME	COMPLIANC ilication, or rep Code and the D Dec. 13 July 17	E lacement of the pressur National Board rules as , <u>20</u> 01	8
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth	statements made in t bed above conforms t ons NB-65 and NB-10 prization No. <u>316</u>	this report are corre to Section XI and S 02, current editions to use the *V	CERTIFICATE OF tection III of the ASME	COMPLIANC ilication, or rep Code and the D Dec. 13 July 17	E lacement of the pressur National Board rules as 	8
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth Date	statements made in t bed above conforms i ons NB-65 and NB-10 orization No20 , 19, Signed	his report are corre to Section XI and S 02, current editions to use the % to use the % to use the % 1 Toledo Edison Repair Organization	CERTIFICATE OF tot and the repair, more section III of the ASME Are stamp expires	COMPLIANC ification, or rep Code and the i Dec. 13 July 17 INSPECTION	E National Board rules as ,2001 ,2001 Nuclear Salety & Inspection Manager Tite	
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth Date	statements made in t bed above conforms i ons NB-65 and NB-10 prization No316_ prization No20_ , 19, Signed holding a valid comm	his report are corre to Section XI and S 02, current editions to use the "V to use the "N to use the "N	CERTIFICATE OF the tand the repair, modection III of the ASME (R [*] stamp expires	COMPLIANC incation, or rep Code and the i Dec. 13 June INSPECTION Marganet Pressu	E National Board rules as ,2001 ,2001 Nuclear Safety & Inspection Manager The	
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth Date	statements made in t bed above conforms i ons NB-65 and NB-10 prization No316_ prization No20_ , 19, Signed holding a valid comm	his report are corre to Section XI and S 02, current editions to use the "V to use the "N to use the "N	CERTIFICATE OF the tand the repair, modection III of the ASME (R [*] stamp expires	COMPLIANC incation, or rep Code and the i Dec. 13 June INSPECTION Marganet Pressu	E National Board rules as ,2001 ,2001 Nuclear Safety & Inspection Manager The	
We certify that the relief device descri defined in publicat Certificate of Auth Date , the undersigned, certificate of compo	statements made in the bed above conforms to ons NB-65 and NB-10 prization No	this report are corre to Section XI and S (2, current editions to use the "V to use the "N t to use the "N t to use the "N t to u	CERTIFICATE OF (iection III of the ASME /R" stamp expires /R" stamp expires /R" stamp expires /Autotted Represent CERTIFICATE OF e National Board of Bo (end_empire) // (cation, or replacement	COMPLIANC ification, or rep Code and the i Dec. 13 July 17 ive INSPECTION Ser and Pressu loyed by <u>Fact</u> t described in 1	E lacement of the pressur National Board rules as ,2001 ,2001 Nuclear Safety & Inspection Manager The re Vessel Inspectors, an ony Mutual Ins. Co.*	
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth Date	statements made in t bed above conforms i ons NB-65 and NB-10 orization No	his report are corre to Section XI and S 02, current editions to use the "V to use the "N to use the "N t Toledo Edison Repeir Organization Repeir Organization dission Issued by the State or Province of ed the repair, modif	CERTIFICATE OF tot and the repair, mode section III of the ASME (R" stamp expires	COMPLIANCI illication, or rep Code and the i Dec. 13 	E National Board rules as 2001 2001 Nuclear Safety & Inspection Manager The re Vessel Inspectors, ar ony Mutual Ins. Co." this report	nd nt has been made or
We certify that the relief device descri defined in publicat Certificate of Auth Date	statements made in the bed above conforms to ons NB-65 and NB-10 prization No	his report are corre to Section XI and S 02, current editions to use the "V to use the "N to use the "N t Toledo Edison Repeir Organization Repeir Organization dission Issued by the State or Province of ed the repair, modif	CERTIFICATE OF tot and the repair, mode section III of the ASME (R" stamp expires	COMPLIANCI illication, or rep Code and the i Dec. 13 	E National Board rules as 	nd nt has been made or
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth Date	statements made in the bed above conforms to one NB-65 and NB-10 prization No	his report are corre to Section XI and S 02, current editions to use the "V to use the "N d to use the "N d t	CERTIFICATE OF tot and the repair, moti- section III of the ASME Are stamp expires	COMPLIANC iffication, or rep Code and the i Dec. 13 July 17 INSPECTION offer and Pressu loyed by <u>Fact</u> at described in the this repair, mo the National Ber rithe inspector	E Accement of the pressur National Board rules as ,2001 	nd nt has been made or the publication NB-65 :
We certify that the relief device descri defined in publicat Certificate of Auth Date	statements made in the bed above conforms to one NB-65 and NB-10 prization No	his report are corre to Section XI and S 02, current editions to use the "V to use the "N d to use the "N d t	CERTIFICATE OF (ict and the repair, modection III of the ASME 	COMPLIANC iffication, or rep Code and the i Dec. 13 July 17 INSPECTION offer and Pressu loyed by <u>Fact</u> at described in the this repair, mo the National Ber rithe inspector	E Accement of the pressur National Board rules as ,2001 	nd nt has been made or the publication NB-65 (
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth Date	statements made in the bed above conforms in ons NB-65 and NB-10 prization No	his report are corre to Section XI and S 02, current editions to use the "V to use the "N d to use the "N d t	CERTIFICATE OF determined in the repair, modection III of the ASME Automation of the ASME Automation of the ASME Automation of the ASME CERTIFICATE OF a National Board of Bo Chio_ and employer fraction, or replacement knowledge and belief of the ASME Code and ployer makes any war Furthermore, neither mage or a loss of any in Commissions	COMPLIANC iffication, or rep Code and the i Dec. 13 July 17 INSPECTION offer and Pressu oyed by <u>Fact</u> in described in the this repair, mo the National Be rate, expresse r the inspector kind arising from	E Accement of the pressur National Board rules as ,2001 2001 Nuclear Safety & Inspection Manager The The I ver Vessel Inspectors, ar ony Mutual Ins. Co.* this report dification, or replacement pard rules as defined in the d or implied, concerning nor his employer shall be n or connected with	nd nt has been made or the publication NB-65 t the e
We certify that the relief device descri defined in publicat Certificate of Auth Certificate of Auth Date	statements made in the bed above conforms in onts NB-65 and NB-10 prization No	his report are corre to Section XI and S 02, current editions to use the "V to use the "N d to use the "N d t	CERTIFICATE OF determined in the repair, modection III of the ASME Automation of the ASME Automation of the ASME Automation of the ASME CERTIFICATE OF a National Board of Bo Chio_ and employer fraction, or replacement knowledge and belief of the ASME Code and ployer makes any war Furthermore, neither mage or a loss of any in Commissions	COMPLIANC iffication, or rep Code and the i Dec. 13 July 17 INSPECTION offer and Pressu oyed by <u>Fact</u> in described in the this repair, mo the National Be rate, expresse r the inspector kind arising from	E Accement of the pressur National Board rules as ,2001 	nd nt has been made or the publication NB-65 t the e

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		by the Provisions					
. Owner Toledo	Edison Company	[4/29/00			
300 Ma	idison Ave., Toledo, OH 4	3652		neet 1 of <u>1</u>			
2. Plant <u>Davis-</u>	Besse Nuclear Power Stat		Jnit	#1	100		
	. SR 2. Oak Harbor. OH 43			WO 99-005148-008 Repair Organization P.O. N			
	By Toledo Edison C		ype Code S	Repar Organization P.O. N	., 300 MO.,	•10. 	
3. Work Penormed	I. SR 2, Oak Harbor, OH 43			ion N020			
<u>5501 M</u>	Address			n Date <u>7-17-0</u>			
			•				
4. Identification of	Systems Feedwater Pi	ping EBB-3-SB20) <u>C-254</u>				
5. (a) Applicable (Construction CodeANSI	<u>B31.1</u> Edi	ition 19 <u>67</u>	Addendum <u>N</u> /	A	Code Case	VA.
	Edition of Section XI Utilize		placements	s 19 8 6			
(c) Design Hes	ponsibilities <u>ITT Grin</u>						
	6. Identification of Comp	onents Repaired c	r Replaced	and Replacement Co	ompone	ints	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 Stampe
Snubber	ITT Grinnell	12493	N/A	C-254	N/A	Replaced	No
Snubber	ITT Grinnell	12491	N/A	C-254	N/A	Replacement	No
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			┨─────		<u> </u>		+
·							1
		7. Descrip	tion of Work	<u>. </u>	<u> </u>		
ITT Grinnell hydraulic si	ubber S/N 12493 was removed a	and replaced with a lik	e for like snut	ober S/N 12491.			
Snubber was functional	y tested satisfactory prior to ins	tallation.					
					<u> </u>		
					. <u>.</u>		
	•	, 					
8. Tests Conducted	Hydrostatic (NO) PressureN/A	Pneumatic (NO) psi		ninal Operating Press est Temperature			0)
Pressure Rel	ief Valves:						
	Service_N/A			SizeN/A			
	Opening Pressure	N/A		Blowdown (if applic	able)	N/A	
	Set Pressure and Blowdo			N/A	vet jindium j		

	FC	ORM NIS-2 /N	R-1 / NVR 4	ŧ	
		9. REMARKS		Applicable Manufacturers Data I	Reports to be Attached
NA					
· · · · · · · · · · · · · · · ·					
					· · · · · · · · · · · · · · · · · · ·
		ERTIFICATE OF	CONDITANC	<u> </u>	
We certify that the statements m the ASME Code Section XI.	nade in the report are o	correct and this D	eplacement	conforms to the I	ules of
Type Code Symbol NR	Certificate of Au	thorization No	20	Expiration Date $7-17-01$ ate $4/30/2000$	
Signed 9. W. Star	2 Nuclea Owner or Owner's Design	r Safety & Inspection	n Manager D	ats	
		ICATE OF INSER	VICE NEDEC	TION	
I, the undersigned, holding a valid com State or Province of <u>Ohio</u> and have inspected the components descri- that to the best of my knowledge and b	mission issued by the t employed by <u>Facto</u> bed in this Owner's Re- belief the Owner has to belief the Owner has to	National Board of E ny Mutual Ins. Co. eport during the pe- performed examina	Boller and Press of John riod <u>7-23-93</u> tions and taken	sure Vessel Inspectors in the nston, R.I. to <u>4730-00</u> , and state corrective measures	
described in this Owner's Report in acc	cordance with the requ	irements of the AS	ME Code, Sect	ion XI.	
By signing this certificate, neither the in examinations and corrective measures shall be liable in any manner for any put this inspection.	nspector nor his emplo described in the Own ersonal injury or prope	yer makes any wa er's Report. Furthe rty damage or a los	rranty, expresse armore, neither ss of any kind a	ed or implied, concerning the the Inspector nor his employ rising from or connected with	1
Inspector & Signature	4-33- W Date	Commissions	Alional Board, Sta	N Z A Office ate, Province and Endorsements	r.
We certify that the statements made i relief device described above conform defined in publications NB-65 and NB	in this report are correct to Section XI and SectiO XI and XI and	sction III of the Asi	odification, or r	replacement of the pressure	
Ceritficate of Authorization No			Dec. 13	. 2001.	
Certificate of Authorization No20					
Date, 19, Sign	ned Toledo Edison			Inspection Manager	•
, , , , , , , , , , , , , , , , ,	Repair Organization	Authorized Re	presentative	Title	
		CERTIFICATE O			
I, the undersigned, holding a valid corr	nmission issued by the	National Board of	Boller and Pres	sure vessel inspectors, and	I
certificate of competency issued by th	e State or Province of	Ohio and er	nployed by	Factory Mutual Ins. Co.*	
	cted the repair, modifi				
on, 19 and state constructed in accordance with Sectio NB-102, current editions.	that to the best of my i n XI and Section III of	mowledge and bei the ASME Code ar	ief, this repair, i nd the National i	modification, or replacement Board rules as defined in the	nas been made or publication NB-65 and
By signing this certificate, neither the repair, modification or replacement d	Increator nor his amp	lover makes any w	arranty, express	sed or implied, concerning th	le
Rable in any manner for any personal this inspection.	acadhad in this panort	FINTRATTOOR, DOIL	nar ma Inspecii	T UOL URS BILITIOAGE PHORE DC	
liable in any manner for any personal this inspection.	acadhad in this panort	FINTRATTOOR, DOIL	ner me inspecia ny kind arising fr	rom or connected with	_
liable in any manner for any personal this inspection. Authorized inspectors Signature	acadhad in this panort	Furthermore, new tage or a loss of an	ner me inspecia ny kind arising fr	T UOL URS BILITIOAGE PHORE DC	_

	NIS-2 / NR-1 /- NVR-1 As Required	by the Provisions	of the ASN	E Code Section XI				
. Owner <u>Toled</u>	o Edison Company		Date	4/23/00				
300 M	adison Ave., Toledo, OH 4	3652	Sheet 1 of <u>1</u> Unit#1					
2. Plant <u>Davis</u>	Besse Nuclear Power Sta	tion						
	Numa I. SR 2. Oak Harbor. OH 4							
	i By Toledo Edison (Type Code	Repair Organization P.O. No Stamp <u>NR</u>	., Job No., (
	Neme I. SR 2. Oak Harbor. OH 4			zation N020_				
	Address	<u></u>		ation Date7-17-0				
		Constant Drain						
	Systems <u>Stm Gen # 2</u>							
••••	Construction Code <u>ANS</u>	•	ition 19 <u>67</u>	-		Code Case	VA	
(b) Applicable	Edition of Section XI Utili:	zed for Repairs or	Replaceme	ents 19 <u>86</u>				
(c) Design Re	sponsibilities <u>Lisega</u>		<u>.</u>			<u> </u>		
	6. Identification of Comp	anonto Ranairad (end Replacement (Compo	nents		
	6. Identification of Comp	onents Hepaired C	I Replaced	and hopiacement				
iane 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	
Snubber	Lisega	61200/30	N/A	C-451	N/A	Replaced	No	
Snubber	Lisega .	61200/24	N/A	C-451	N/A	Replacement	No	
			ļ	· · · · · · · · · · · · · · · · · · ·			┨────	
							┨────	
			1					
<u></u>		7. Descrip	tion of Wor	k				
	0/30 was removed and replaced nally tested satisfactory prior to		sega snubber	S/N 61200/24.				
ie snubber was functio	THENY TESTED BANGTACTORY Prior to				<u> </u>			
						•		
	•	·-··	•					
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>N/A</u>	Pneumatic (NO)		vinal Operating Pres Test Temperature_	-	-	"	
Pressure Rel		Þai						
110000101101	Service_N/A	<u>.</u>		Size <u>N/A</u>			-	
				Blowdown (if app	licable) N/A		
	Opening Pressure	<u> </u>	<u> </u>	Biowdown (ii ebt		/		
	Opening Pressure Set Pressure and Blowdo		Made Using		ert Bedive			

	FORM NIS-2 /NR-1 / NVR-1
	S. REMARKS Applicable Manufacturers Data Reports to be Attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in the the ASME Code Section XI.	the report are correct and this replacement conforms to the rules of
Type Code SymbolNR Ce	ertificate of Authorization No. 20 Expiration Date 7-17-01 Nuclear Safety & Inspection Manager Date 4/24/00 prof Owneds Designes, Title
signed A.H. Starm	Nuclear Safety & Inspection Manager Date 4/24/49-05
Signed	er or Quino's Designee, Title
the undersigned, holding a valid commission i State or Province of <u>Ohio</u> and employe ave inspected the components described in th	CERTIFICATE OF INSERVICE INSPECTION Issued by the National Board of Boller and Pressure Vessel Inspectors in the ed by <u>Factory Mutual Ins. Co.</u> of Johnston, R.I., his Owner's Report during the period 93399 to 43400, and state owner has performed examinations and taken corrective measures e with the requirements of the ASME Code, Section XI.
ly signing this certificate, neither the inspector maminations and corrective measures describ hall be liable in any manner for any personal is	r nor his employer makes any warranty, expressed or implied, concerning the sed in the Owner's Report. Furthermore, neither the inspector nor his employer injury or property damage or a loss of any kind arising from or connected with
Thomas Strass 4	2400 Commissions NB9330 N I A COMM. National Board, State, Province and Endorsements
relief device described above conforms to Sec defined in publications NB-65 and NB-102, cu	
relief device described above conforms to Sec defined in publications NB-65 and NB-102, cu Certificate of Authorization No316	port are correct and the repair, modification, or replacement of the pressure ction XI and Section III of the ASME Code and the National Board rules as arrent editions. to use the "VR" stamp expires Dec, 13,2001
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relief device described above conforms to Sec defined in publications NB-65 and NB-102, cu Certificate of Authorization No Date, 19, Signed Date, 19, Signed nep I, the undersigned, holding a valid commission certificate of competency issued by the State of of Johnston, R.I have inspected the on, 19 and state that to th constructed in accordance with Section XI and NB-102, current editions. By signing this certificate, neither the Inspecto repair, modification or replacement described liable in any manner for any personal injury of	port are correct and the repair, modification, or replacement of the pressure ction XI and Section III of the ASME Code and the National Board rules as arrent editions. to use the "VR" stamp expires <u>Dec. 13</u> , <u>2001</u> to use the "NR" stamp expires <u>July 17</u> , <u>2001</u> Nuclear Safety & Medo Edison <u>Representative</u> The <u>Nuclear Safety &</u> Medo Edison <u>Authorized Representative</u> The <u>CERTIFICATE OF INSPECTION</u> In Issued by the National Board of Boller and Pressure Vessel Inspectors, and or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co."</u> a repair, modification, or replacement described in this report the best of my knowledge and bellef, this repair, modification, or replacement has been made d Section III of the ASME Code and the National Board rules as defined in the publication NB d section III of the ASME Code and the National Board rules as defined in the publication NB d section III of the ASME Code and the National Board rules as defined in the publication NB d section III of the ASME Code and the National Board rules as defined in the publication NB d section III of the ASME code and the National Board rules as defined in the publication NB d rules report. Furthermore, neither the Inspector nor his employer shall be or property damage or a loss of any kind arising from or connected with

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. OwnerToledo	Edison Company			5/2/00			
	fison Ave., Toledo, OH 4:		Sh	eet 1 of 1			
	esse Nuclear Power Stat		Unit	<u>#1</u>			
	SR 2. Oak Harbor, OH 43		W	O 99-005149-024 Repair Organization P.O. No.,	Jeb No., ek	5.	
	By Toledo Edison C	ompany	Typa Code	StampNR_			
3. WORK Performed	SR 2. Oak Harbor. OH 4	3449	Authoriz	ation N020			
5501 N.	Address Contraction of Contraction		Expira	tion Date	L	<u></u>	
	Systems <u>MAIN STEAN</u>	SYSTEM EBB-1-	SR11 West	(A-40) (SUB 083-01	J		
			tion 19 <u>67</u>		/A	Code Case N	/A
5. (a) Applicable (Construction Code <u>ANSI</u>						
(b) Applicable I	Edition of Section XI Utilia	zed for Repairs or	Replaceme	nts 19 <u>80</u>			
(c) Design Res	ponsibilities	NNELL					
	6. Identification of Comp		r Replaced	and Replacement C	Compoi	nents	
	6. Identification of Comp	I I I I I I I I I I I I I I I I I I I					
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	A St
Cauthor	ITT GRINNELL	11891	N/A	A-40	Unk		
Snubber Enubber	ITT GRINNELL	11892	N/A	A-40	Unk	Replacement	
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	<u> </u>	7 Descrip	tion of Wor	<u>k</u>	<u> </u>		
int adapati bydratilia St	ubber S/N11891 was removed	and peptered with a lik	e-for-like snul	ber S/N11892.			
Replacement snubber w	ubber \$/N11891 Was removed as rebuilt by WO 89-005150-00	7. Replacement enubb	er was functio	nally tested satisfactory	prior to	Installation.	
					<u>.</u>		
8. Tests Conducted	: Hydrostatic (NO) PressureN/A	Pneumatic (NO)) Noi	ninal Operating Pres Test Temperature			0}
Pressure Re	lief Valves:			Size N/A			
		• • • • • • • • • • • • • • • • • • •				le)N/A	
	Opening Pressure	N/A					_
1	Set Pressure and Blow	down Adjustments	: Made Usir	<u>g_N/A</u>	Test Belly	• 1	•
1							

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	FORM NIS-2 /NR-1 / NVR- 1*
	9. REMARKS Applicable Manufacturers Data Reports to be Attached
A	
	CERTIFICATE OF COMPLIANCE
We certify that I the ASME Code	the statements made in the report are correct and this <u>replacement</u> conforms to the rules of
	mbol NR Certificate of Authorization No. 20 Expiration Date 7-17-01
Signed SV	WStern Muclear Safety & Inspection Manager Date 5/2/2000
	// Owner or Owner's Designee, Tills
State or Province of	CERTIFICATE OF INSERVICE INSPECTION sking a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors in the <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co. of</u> Johnston, R.I. pomponents described in this Owner's Report during the period <u>42355</u> to <u>52-2-00</u> , and state
المعسوكات فتستنا سأبقد سفنا	Informer is described in a Source has performed examinations and taken corrective measures her's Report in accordance with the requirements of the ASME Code, Section XI.
	cate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
	cate, nemer the inspector norms employed makes any wantary, explorer the inspector nor his employer meetive measures described in the Owner's Report. Furthermore, neither the inspector nor his employer manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.	A plant offer
Enold.	Commissions <u>NA 9 Poi</u> <u>N 2 A Commissions</u> National Board, State, Province and Endorsements
Inspector's Signature	Date National Board, date, ricente and Entertainty
We certify that the st	CERTIFICATE OF COMPLIANCE tatements made in this report are correct and the repair, modification, or replacement of the pressure ed above conforms to Section XI and Section III of the ASME Code and the National Board rules as
defined in publication	ns NB-65 and NB-102, current editions.
•	tzation No316 to use the "VR" stamp expires Dec. 13 2001
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	Nuclear Salety &
Date	. 19 Signed_ Toledo Edison Inspection Manager
Date	10 Stoped Toledo Edison Inspection Manager
Date	. 19 Signed_ Toledo Edison Inspection Manager
	, 19 Signed_ Toledo Edison Inspection Manager Repair Organization Authorized Representative Title
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i, the undersigned, ho certificate of compete	Nuclear Safety & Inspection Manager Nuclear Safety & Inspection Manager CERTIFICATE OF INSPECTION colding a valid commission issued by the National Board of Boller and Pressure Vassel Inspectors, and
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Aver and a set operation 70. where the set operation	2. Plant <u>Davis</u>	Besse Nuclear Power Sta	ation	Unit	<u>#1</u>			
3. Work Performed By Tople do Edison Company Type Code Stamp NE/YR	5501	I. SR 2. Oak Harbor. OH 4	3449			1-1-1	•••	
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5. (a) Applicable Construction Code <u>ASME III CL</u> Edition 19 58 Addendum 570 Code Case 1440 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19				Expin	ation Date7-17-0	1/12-1	13-01	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_85	4. Identification of	Systems <u>REACTOR C</u>	OOLANT SYSTEM	SPARE P	RESSURIZER SAFE	TY VAI	.VE (RC13A)	
(c) Design Responsibilities	5. (a) Applicable	Construction Code ASM	<u>E III CL1</u> Ed	ition 19 <u>68</u>	Addendum S	<u>70</u>	Code Case 1	440
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6. Identification of Components Repaired or Replaced and Replacement Components fame of Manufacturer Manufacturer's Mational Tentification/ Nuriediction (Nuriediction) Section (Nuriediction) Se								
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7. Description of Work PARE PRESSURIZER 6AFETY VALVE RC13A, IDENTIFIED BY SERIAL NUMBER N54891-00-0002, WAS REBUILT REPLACING THE DISC INSERT ND SERING WASHER ASSEMBLY. THE VALVE WAS THEN SET PTESSURE TESTED WITHIN NORMAL OPERATING PRESSURE AND TEMPERATURE ANGES. VALVE TESTED 6ATISFACTORY. SC INSERT - PN # N94145-32-0004 B&W SPEC 1028/NSS-14/0370, PO # 072-0-71127A-4II, ASME III 1968 ED, \$70 ADD, CLASS 1 PRING WASHER ASSEMBLY - PO # \$026220 D91, \$N K76740-31-6001, ASME III 1968 ED, \$70 ADD, CLASS 1 PRING WASHER ASSEMBLY - PO # \$026220 D91, \$N K76740-31-6001, ASME III 1968 ED, \$70 ADD, CLASS 1 B. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (YES) Other (NO) Pressure	DISC INSERT	CROSBY	NA	NA	N94145-32-0004	NA	Replacement	N
PARE PRESSURIZER SAFETY VALVE RC13A, IDENTIFIED BY SERIAL NUMBER N54891-00-0002, WAS REBUILT REPLACING THE DISC INSERT ND SPRING WASHER ASSEMBLY. THE VALVE WAS THEN SET PTESSURE TESTED WITHIN NORMAL OPERATING PRESSURE AND TEMPERATURE ANGES. VALVE TESTED SATISFACTORY. ISC INSERT - PN & N94145-32-0004 B&W SPEC 1022/NSS-14/0370, PO & 072-Q-71127A-MI, ASME MI 1968 ED, \$70 ADD, CLASS 1 PRING WASHER ASSEMBLY - PO & \$026220 D01, SN K76740-31-0001, ASME MI 1968 ED, \$70 ADD, CLASS 1 PRING WASHER ASSEMBLY - PO & \$026220 D01, SN K76740-31-0001, ASME MI 1968 ED, \$70 ADD, CLASS 1 B. Tests Conducted: Hydrostatic (NO) Pneumatic (NO) Nominal Operating Pressure (YES) Other (NO) Pressure	PRG WSR ASSY	CROSBY	NA	NA	K76740-31-0001	NA	Replacement	N
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Certificate of Authorization No. 20 to use the "NR" stamp expires <u>July 17</u> , 2001 Nuclear Eadery & <u>Properties and Provide Edison</u> <u>Authorize Representative</u> <u>Properties Authorize Representative</u> <u>The</u> CERTIFICATE OF INSPECTION , the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and tertificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual</u> * of <u>Park Ridge, Illinois</u> have inspected the repair, modification, or replacement described in this report on <u>NOV. 9</u> , 19 99, and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 NB-102, current editions. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report or 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. <u>Thorwas J. July 99</u> Commissions <u>NB 9338</u> <u>N I A</u> <u>OND</u> . <u>National Board, State, Province and Endorements</u> * Factory Mutual Engineering Association	-	
CERTIFICATE OF INSPECTION the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and tertificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual*</u> of <u>Park Ridge, Illinois</u> have inspected the repair, modification, or replacement described in this report on <u>NOV. 9</u> , 19 99, and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 NB-102, current editions. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this 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. <u>Thremost</u> <u>H</u> <u>H</u> <u>H</u> <u>H</u> <u>H</u> <u>Commissions</u> <u>NB 9338</u> <u>N F A</u> <u>Commis</u> . National Board, State, Province and Endorsements * Factory Mutual Engineering Association	A straight of Asthermotion No. 20	to use the "NR" stamp expiresJuly 17,2001
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the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and pertificate of competency issued by the State or Province of <u>Ohio</u> and employed by <u>Protection Mutual*</u> of <u>Park Ridge, Illinois</u> have inspected the repair, modification, or replacement described in this report on <u>NOV. 9</u> , 19 99, and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 NB-102, current editions. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this 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. Thorman Bigginguity of the signature of the section of the section <u>NB 9338</u> <u>N T A</u> <u>OMM</u> . National Board, State, Province and Endorsements * Factory Mutual Engineering Association		tepper
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Park Ridge, Illinois		
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constructed in accordance with Section XI and Section III of the ASME Code and the National Board Rules as defined at the positivities in the positities in the positivities in the positi		the base of multiple and have the main modification or replacement has been made or
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repair, modification or replacement described in this report. Furnemore, neutral the inspector nor no enconnected with liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>Thornost B. Page</u> <u>11/2/99</u> Commissions <u>NB 9338</u> <u>N I A</u> <u>Comman</u> . Authorized hispector's Signatures <u>Date</u> Factory Mutual Engincering Association	NB-102, current editions.	
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liable in any manner for any personal injury or property damage of a loss of any kind ansaig non of connected with this inspection. <u>Thormal B. Connected inspectors Signature</u> Authorized inspectors Signature Bate Bate Factory Mutual Engineering Association		
this inspection. <u>Thomas & Back</u> <u>11999</u> commissions <u>NB 9338</u> <u>N I A</u> <u>commissions</u> <u>National Board</u> , State, Province and Endorsements * Factory Mutual Engineering Association	repair, modification or replacement describ- liable in any manner for any personal injury	or property damage or a loss of any kind arising from or connected with
Thomas B. Factory Mutual Engineering Association	this inspection.	· · · · · · · · · · · · · · · ·
Authorized inspector's Signature) Date National Board, State, Province and Endorsements * Factory Mutual Engineering Association	Thomas & Kass	11999 Commissions NB 9338 NIA COMM.
	Authorized Inspector's Signature	Date National Board, State, Province and Endorsements
	۲.	* Factory Mutual Engineering Association
	a,	* FACTORY MUTUAL INS. CO.

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. Owner Toledo	o Edison Company		Date	<u>5/23/00</u>			
	num adison Ave., Toledo, OH 43		S	heet 1 of 1			
	Address Besse Nuclear Power Stat		Jnit	#1			
	bjane			NO 99-006520-001			
<u>5501 N</u>	I. SR 2. Oak Harbor. OH 43	3449				eic.	•
3. Work Performed	By Toledo Edison C	company T	ype Code S		· · · · ·	<u> </u>	
<u>5501 N</u>	I. SR 2. Oak Harbor. OH 43	3449	Authorizat	ion N020_			
			Expiratio	on Date7-17-0	1	<u></u>	
4. Identification of	Systems <u>Process & A</u> t	rea Radiation Mon	<u>Itoring</u>	(Subsys 079-01)			
				Addendum <u>N</u>			
• • • • •	Construction CodeASMI						
	Edition of Section XI Utilize		eplacements	5 19 <u></u> 91			
(c) Design Res	ponsibilities <u>Toledo E</u>	Edison Co					
	6. Identification of Comp	vonents Repaired o	r Replaced	and Replacement Co	ompone	ints	
	. Renuncauon or com			[
ame 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
ladiation Monitor.	Toledo Edison Co.	N/A	N/A	N/A	2000	Repaired	No
							ļ
			<u> </u>				<u> · ·</u>
<u>.</u>							
<u></u>		1					
		7. Descrip	tion of Work	(
oledo Edison Co Implen	nented Modification 99-0050 whi	ich involved fabrication	n and Installat	ion of an additional new l	Ine (FSK	-M-HCB-38-28) tied in	to an
dating line (FSK-M-HCE	-38-16). This was to faciliate the ed the fabrication and installatio	e draining of moisture i	from a radiation	on monitoring systems (H	FSK-M-	4CB-88-28-H).	
his modification involve	ed the fabrication and installation installed are referenced and liste	d in the body of this W	ork order. Aft	r installation,			
	as performed satisfactory.					······································	
8. Tests Conducted:	Hydrostatic (NO) Pressure <u>70</u>	Pneumatic (YES	•	inal Operating Press est Temperature			0)
Pressure Reli	ef Valves:						
	Service <u>N/A</u>			SizeN/A			
	Opening Pressure			Blowdown (if applic			•
	C. I. D		ado Lieina	N/A			
	Set Pressure and Blowdo	wn Adjusunenis M		(8	ant Holizan)		

		/ NVR-1-
	S. REMARKS	Applicable Manufacturers Data Reports to be Atlanced
	CERTIFICATE OF CO	MPLIANCE
We certify that the statements made the ASME Code Section XI.	In the report are correct and this replac	cement conforms to the rules of
Type Code SymbolNR	Certificate of Authorization no.	$\frac{0}{1-\frac{7-17-01}{1-\frac{7}{1-1-1}}}}}}}{1-\frac{7}{1-\frac{7}{1-\frac{7}{1-\frac{7}{1-1-1}{1-\frac{7}{1-\frac{7}{1-1-1}{1-\frac{7}{1-1-1}{1-\frac{7}{1-1-1}{1-1-1}{1-\frac{7}{1-1-1}{1-1}}{1-\frac{1-1}{1-1}{1-1}}}}}}}}}}$
Signed V. W. Star	Nuclear Satety & Inspection Ma	nager Date 3/23/ 49-
-	-	
, the undersigned, holding a valid commiss State or Province of <u>Ohlo</u> and emp neve inspected the components described hat to the best of my knowledge and belief described in this Owner's Report in accord	in this Owner's Report during the period _	And Pressure Vessel inspectors in the Johnston, R.I. Jaaloo to 573500, and state and taken corrective measures
		emmersed or implied, concerning the
By signing this certificate, neither the inspe examinations and corrective measures des shall be liable in any manner for any person	scribed in the Owner's Report. Furthermol nal injury or property damage or a loss of	re, neither the inspector nor his employer any kind arising from or connected with
his inepartion A		
Thomas H Frigs	5/35/00 Commissions NB Clate National Bos	<u>4330 N. T. A. COMM.</u> and State, Province and Endorsements
		OMPLIANCE
We certify that the statements made in this relief device described above conforms to	is report are correct and the repair, modified Section XI and Section III of the ASME C	DMPLIANCE cation, or replacement of the pressure code and the National Board rules as
relief device described above conforms to defined in publications NB-65 and NB-10	is report are correct and the repair, modifi Section XI and Section III of the ASME C 2, current editions.	cation, or replacement of the pressure bode and the National Board rules as
relief device described above contorns to defined in publications NB-65 and NB-103 Certificate of Authorization No316	is report are correct and the repair, modified Section XI and Section III of the ASME C 2, current editions. to use the "VR" stamp expires	cation, or replacement of the pressure code and the National Board rules as Dec. 13
relief device described above conforms to defined in publications NB-65 and NB-103 Certificate of Authorization No316	is report are correct and the repair, modified Section XI and Section III of the ASME C 2, current editions. to use the "VR" stamp expires	cation, or replacement of the pressure code and the National Board rules as Dec. 13
relief device described above conforms to defined in publications NB-65 and NB-10 Certificate of Authorization No20	Is report are correct and the repair, modified b Section XI and Section III of the ASME C 2, current editions. to use the "VR" stamp expires to use the "NR" stamp expires	cation, or replacement of the pressure ode and the National Board rules as
relief device described above contorns to defined in publications NB-65 and NB-103 Certificate of Authorization No316	Is report are correct and the repair, modified b Section XI and Section III of the ASME C 2, current editions. to use the "VR" stamp expires to use the "NR" stamp expires	cation, or replacement of the pressure ode and the National Board rules as
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Page 234

	As Hequired	by the Provisions					
. OwnerToledo	Edison Company	(Date				
300 Me	idison Ave., Toledo, OH 4	3652	St	neet 1 of <u>1</u>			
2. Plant Davis-	Addiese Nuclear Power Stat	ion L	Jnit	#1			
	I. SR 2. Oak Harbor. OH 43			WO 00-000328-000			
	By			Repair Organization P.Q. N tampNR	ia., Jo b No.,	eic.	
				on N020			
<u>5501 N</u>	<u>I. SR 2. Oak Harbor. OH 43</u>	5443					
			-	n Date <u>7-17-0</u>			
4. Identification of	Systems <u>Steam Gener</u>	ator 1-1 Aux Ed V	<u> Mtr Hdr - Ri</u>	<u>ser #4 (Subsys 0</u>	63-01)		—
	Construction CodeASMI		ition 19 <u>71</u>				VA
•••	Edition of Section XI Utilize		placements	5 19 <u>86</u>			
• •							
(c) Design Res	ponsibilities <u>Babcock</u>						
	6. Identification of Comp	conents Repaired o	r Replaced	and Replacement Co	ompone	nts	
			ļ				ASKE
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
Riser #4 (1 nut)	Nova Machine Prod	HT# 8099455	N/A	N/A	1998	Replacement	No
Lite: #4 (1 1141)							
							<u> </u>
			<u> </u>				
	<u> </u>	7. Descrip	tion of Work	(· · · · · · · · · · · · · · · · · · ·	
During disassembly of a	team generator 1-1 auxillary fee	d water header riser #	4 for maintena	nce, one 3/4"-10 heavy i	hex nut w	as dropped and not t	lound.
This nut was replaced w	ith a like for like replacement. A	fter Installation, a VT-2	inservice test	t was performed satisfac	tory.		
	•						
	Lbudrostatio (10)	Pneumatic (NO)	Nor	ninal Operating Press	sure (Y	ES) Other (N	0)
8. Tests Conducted	Hydrostatic (NO) Pressure <u>870</u>			est Temperature			
Pressure Rel							
	Service_N/A	·		Size <u>N/A</u>			
		11/A		Blowdown (if applic	cable)	N/A	
	Opening Pressure	N/A					
	Opening Pressure Set Pressure and Blowdo			N/A	Post Hellun 1		

12 RFO Inservice Inspection Summary
First Energy Nuclear Operating, 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: 11/27/77

FORM NIS-2 /NR-1 / NVR-1 -	
8. REMARKS Applicable Manufacturers Data Reports to be Attached	
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code Section XI.	
Expiration Data	
Signed NH Nuclear Batety & Inspection Manager Date Signed	
OF THE ASE OF INSERVICE INSECTION	
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors in the tate or Province of	
ly signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with	
As inspection S-17-CD Repector's Synature Date	
specific's Signature Date National Board, State, Province and Endorsements	
CEDTRICATE OF COMPLIANCE	
what daying described shove conforms to Section XI and Section III of the ASMIC Code and the Manorine Down the Conformation	
Ne certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure elief device described above conforms to Section XI and Section III of the ASME. Code and the National Board rules as defined in publications NB-65 and NB-102, current editions.	
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We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure elief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as lefined in publications NB-65 and NB-102, current editions. Certificate of Authorization No	
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We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No316 to use the "VR" stamp expires	or -65 (
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure telled device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications ND-65 and ND-102, current editions. Certificate of Authorization No	or -65 e
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No16 to use the "VR" stamp expires0ec. 132001 Certificate of Authorization No16 to use the "VR" stamp expires0ec. 132001 Certificate of Authorization No0 to use the "NR" stamp expires0ec. 132001 Nuclear Safety &	or -65 a
We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relial device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No16to use the "VR" stamp expires	or -65 a

. Owner Toledo	Edison Company		Date	05/31/2000)		
	Nerve Idison Ave., Toledo. OH 43		St	neet 1 of <u>2</u>			
	Besse Nuclear Power Stat		Unit	#1			
	Name I. SR 2. Oak Harbor, OH 43			0 # 00-001712-000			
	By		Type Code	Repair Organization P.O. No. StampNR			
				ation N020	•		
<u> </u>	I. SR 2. Oak Harbor. OH 43	449	•				
			=	ation Date			
4. Identification of	Systems <u>Main Steam /</u>	MS 700 MainStea	m Line #2 V	Varmup Isolation Va	ive (St	JB83-01)	
	Construction Code _ASME		ition 19 71			Code Case N	A
			Replaceme	nts 19 86			
(b) Applicable	Edition of Section XI Utiliz		nepiaceme		_		
(c) Design Re:	sponsibilities <u>Velan Inc</u>	. / Toledo Edison	Company				
	6. Identification of Compo	onents Repaired o	r Replaced	and Replacement C	Compo	nents	
	6. Identification of Compe						
Name of Component	Name of Manufacturer	Manufacturer's Serial NO.	National Board NO.	Other Identification/ Jurisdictional NO.	Year Built	Repaired Replaced or Replacement	A: Ci Sta
1-1/2" Gate Valve	Velan Inc.	941076-2	NA	MS 700	1994	Replacement	N
1-1/2" Gale Valve	Energy & Process Corp.	HT# 263444	NA	NA	2000	Replacement	M
1-1/2" Gate Valve	Velan Engineering Co.	227-14	NA	MS 700	1972	Replaced	
						<u> </u>	┢
		l				<u> </u>	
	raive and associated piping and	7. Descrip	tion of work e for like repla	cement.			
4.4/2" Valan Gata Valve.	S/N 941076-2. P.O. # 5052842 D	3, ASME II, CI 1, 198	9 Ed., No Add.			<u> </u>	
1-1/2" Sch. 80 pipe, sean	niess, SA 106 GR. B, HT # 26344	4, P.O. 6 7022920, ASI	ME KI, CI 2, Su	bsection NC, 1989 Ed., N	o Add.		
After installation, # VT-2	Inservice Test was performed s	atisfactorily.					
·							
8. Tests Conducted:	: Hydrostatic (NO) Pressure <u>870</u>) Non	ninal Operating Pres Test Temperature_			0}
Pressure Rel							
	Service <u>NA</u>			Size <u>NA</u>			-
	Opening Pressure	NA	<u> </u>	Blowdown (if ap	plicabl	e)NA	-
1	Set Pressure and Blowd			NA	pat Holiva	.)	

FORM NIS-2 /NR-1 / NVR-1
9. REMARKS Applicable Manufacturers Data Reports to be Attached
elan Inc.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this replacement conforms to the rules of
the ASME Code Section XI. Type Code Symbol <u>NR</u> Certificate of Authorization No. <u>20</u> Expiration Date <u>7-17-01</u> Signed <u>W. Starraz</u> <u>Nuclear Safety & Inspection Manager</u> Date <u>5/31/06</u> 18
Signed M. J. Anne Muclear Safety & Inspection Manager Date 5/340 19
CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors in the State or Province of <u>Ohio</u> and employed by <u>Factory Mutual Ins. Co.*</u> of <u>Joinston, R.L.</u> have inspected the components described in this Owner's Report during the period <u>42300</u> to <u>6600</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 mathematicate in the Inspector nor his employer makes any warranty.
examinations and corrective measures described in the Owner's Heport. Furthermore, include the inspector has the bayer 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. <u>Thomas</u> <u>Haps</u> <u>Clob</u> Commissions <u>NB9330 N F A</u> <u>Cho</u> Man. Inspectors Signature
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification, or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in publications NB-65 and NB-102, current editions. Certificate of Authorization No. <u>316</u> to use the "VR" stamp expires <u>Dec. 13</u> , 2001.
Certificate of Authorization No. 20 to use the "NR" stamp expires July 17
Date, 19, Signed Toledo Edison Inspection Manager Repart Organization Authorized Representative Titles
CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors, and
centificate of competency issued by the State or Province ofOhio and employed byFactory Mutual ins. Co.*
of Johnston, R.Ihave inspected the repair, modification, or replacement described in this report
on, 19 and state that to the best of my knowledge and belief, this repair, modification, or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publication NB-65 NB-102, current editions.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this 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.
Commissions Authorized Instance Standium Date National Board, State, Province and Endorsements
Authority Deate National Board, State, Province and Endorsements
Authorized inspector's Signature Date National Board, State, Province and Endorsements * Factory Mutual Ins. Co

4 1941 A. 2.2. 2.1.4 4 P.5 DATA PACKAGE NO. 941075 FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OF VALVES As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 1. Manufactured and cartified by _____ VELAN INC. 2125 MARD AVE, MTL. CAMADA 2. Nanufactured for TOLEDD EDISON CONPANY (name and address of purchaser) 3. Location of installion DAVIS PESSE STATION iname and address) Drawing P1-76800-NO1 Rev E CRM N/A 4. Model No., Series No., or Type GATE 1/2 ÷1., 5. ASKE Code, Section III, Division 1: NON 1989 (Code Case no.) (addends dets) (class) (edition) 1 1/2 1/2" Outlet size (0.) (in.) Disk SA-351.CPBN Bolting SA-193787 7. Material: Body 18A-105 Bonnet SA-105 5A-194728 () Disk (d) (b) (c) (a) Bonnet Body Nat'1 Baria Serial Cert Serial 4 10. Board No. Holder 6 X No. S. 198 8 4 Serial No. No. HICHMAK H/C: Y-1 H/C: AWV which are an and the state SUGASE ANTA X 33. 911076-14 Constant And 2912076-21 2 6.00 .11 201 135 104 AN 18 (17) A 221.50 0.50 Charles an and a state 1.8.1 #941076=4 27107655 -----3454 6 121 - 4 - 5 - 6 - 6 1. 1. 1. 1. 1. A. 19 4 4 1 1.5 126.13 A 1.2.13.621 TRACTICE STATISTICS 14 14.547 THE PROPERTY AND A CASE The state of the s 24.14 - 21.26 19401 1 1000 2010 Contraction and an and Server Product of Server State Barris 35.02 E 84 where the section of Section 146 Rich 2 A 1. 1.36 19 223,118 14 CALL CLARK MANNER 242.19.25 1. Sec. 11 8 25 13 15 Constant of the Local 11 1 1 1 1 Asta de la ser An sy the state of the REAL CONTRACTOR 4. Bart Store and Products 10040111 8. C. B. (55) *1/2/3 3 × 5 544 NA STOLED BOLLEN 6-59 100,000.60 S. 1998 PTP-STAT : enter Stand : to blog do bit. 14 11 110 The Martinet 57 (U. F. S. W. S. 1 Sim 1977 - 19 Carl 19 St 12121 - 214 Parts 2022 1.4.1.0 Bat a mithis did for 1001 \$15**7**82 1078 EUT 6430 CALL PROPERTY AND increased information in form printer introduces, the involved has a be made provided [1] sits in 3 1/2 x 11: (2) [also Childred on each street ()) such three of patrohered in the manufact of shores 14 recorded at the sep of take form. 2.00 49.49 (A) (A) (A) (A) NICH COMPANY W of abcons 14 received to the top of this form. COPERASNIE 22 LAW DRIVE COOK 200 DAT O MORE 19/19 11:

04/21/2000

DBNPS

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	FORM NPV-1 (Back - Pg. 2 of) P.6	
	Certificate Holder's Serial No. 941076	
	B. Darign conditions1975 psi100 *F or valve pressure class _800 (1)	
	(pressure) (Rempersture)	:
:	9. Cold working pressure1975 psi at 100*F 10. Bydmostatic test3000 psi. Dist differential test pressure2200 psi	
	I. 10. Sydiostatic that part find the section is some section is the section of the secti	
'		. د
		ń Ę
	CERTIFICATE OF DESIGN	. + .
•	Design Specification certified by <u>J.M. FARRELL</u> P.E. State <u>QUE</u> , Reg. no. <u>10039</u> E Design report certified by <u>S. ISBITSKY</u> P.E. State <u>QUE</u> , Reg. no. <u>22115</u>	-JH
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	CEPTUFICATE OF COMPLIANCE	į
	A down correct and that this pump or	- 1 - 1
	The value conforms to the rules for construction of the ASME Gode, Section III, Division 1. The value conforms to the rules for construction of the ASME Gode, Section III, Division 1. Expires	
	Bate JUNE- 10 . PV Name VELAN INC. Signed El Columnation	
	(N Certificate Holder) (N Honorad Représentative)	
		21
	CERTIFICATE OF INSPECTION	
	I, the undersigned, holding a valid commission issued by the National Board of Boilery	
	I, the undersigned, holding a valid commission issued by the National Board of Boilery and Pressure Vessel Inspectors and the State or Province of <u>DUEBEC</u> and employed by <u>PROVINCE</u> of <u>OUEBEC</u> have inspected the pillips or any other that an entry of the state of the pillips	
	The understand, holding a valid commission issued by the National Board of Boilery	
	I, the undersigned, holding a valid commission issued by the National Board of Boilery and Pressure Vessel Inspectors and the State or Province of	
	I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <u>DUEBEC</u> and employed by <u>PROVINCE</u> of <u>DUEBEC</u> have inspected the public, or valve, described in this Data Report on <u>None to Provi</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this public, of valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employer makes any warefully.	
	I, the undersigned, holding a valid commission issued by the National Board of Solimp and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the pint, or valve, described in this Data Report on <u>Mark /0/44</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 I. By signing this certificate, neither the inspector nor his employer takes any warefully. Expressed or implied, concerning the component discribed in this Data Tepping, for any personal injury or property damage or a loss of any kind artising from or wontedled with this inspection.	
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>DUCEEC</u> and employed by <u>PROVINCE</u> of <u>NAME /D/YY</u> have inspected the public, or valve, described in this Data Report on <u>NAME /D/YY</u> and state that to the best of my knowledge and belief, the Certificate Holder has constructed this public, or valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employer makes any warrendor, expressed or implied, concerning the component described in this Data Weboilt Furthermore, neither the inspector nor his employer shall be lighted in any warrendor for any personal injury or property damage or a loss of any kind arising from or wonnedled	
	I, the undersigned, holding a valid commission issued by the National Board of Solimpt and Preissure Vessel Inspectors and the State or Province of <u>OUEBEC</u> and employed by <u>PROVINCE</u> of <u>OUEBEC</u> have inspected the piller, or valve, described in this Data Report on <u>Mark /0/777</u> , and state that to the best of my knowledge and belief, the Ortificate Molder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employed in this Data Tepotor. Expressed or implied, concerning the component described in this Data Tepotor. Furthermore, neither the inspector nor his employer shall be liable in any manner to any personal injury or property damage or a loss of any kind arising from or wonderdied with this inspection. Date <u>140610</u> signed <u>CO</u> Commissions	
	I, the undersigned, holding a valid commission issued by the National Board of Solimit and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the piller, or walve, described in this Data Report on <u>Mark /0/444</u> , and state that to the best of my knowledge and belief, the Gertificate Morder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employed in this flate the policy expressed or implied, concerning the component described in this flate the policy any personal injury or property damage or a loss of any kindlersing from or wolf and the with this inspection. Date <u>406/0</u> signed the Muthorized impector (Authorized impector)	
	I, the undersigned, holding a valid commission issued by the National Board of Solimp and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the piller, or walve, described in this Data Report on <u>Mark /0/444</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 I. By signing this certificate, neither the inspector nor his employer takes any warrender expressed or implied, concerning the component description in this flate the point. To with this inspection. Date <u>40610</u> signed <u>(Wathorized impector</u>) (Commissions)	
	I, the undersigned, holding a valid commission issued by the National Board of Solimir and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the piller, or walve, described in this Deta Report on <u>MALIO YY</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, of valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employer makes any warrendor expressed or implied, concerning the component discription in this Data Teopology any personal injury or property damage or a loss of any kind artising from or wontended with this inspection. Date <u>9406/0</u> signed <u>U</u> (unhorized impector (1) For manually operated valves only.	
	I, the undersigned, holding a valid commission issued by the National Board of Solimir and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the piller, or walve, described in this Deta Report on <u>MALIO YY</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, of valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employer makes any warrendor expressed or implied, concerning the component discription in this Data Teopology any personal injury or property damage or a loss of any kind artising from or wontended with this inspection. Date <u>9406/0</u> signed <u>U</u> (unhorized impector (1) For manually operated valves only.	
	I, the undersigned, holding a valid commission issued by the National Board of Solimir and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the piller, or walve, described in this Deta Report on <u>MALIO YY</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, of valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employer makes any warrendow expressed or implied, concerning the component discription in this Data Teopology any personal injury or property damage or a loss of any kind artising from or wontended with this inspection. Date <u>9406/0</u> signed <u>U</u> (unhorized impector (1) For manually operated valves only.	
	I, the undersigned, holding a valid commission issued by the National Board of Solimir and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the piller, or walve, described in this Deta Report on <u>MALIO YY</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, of valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employer makes any warrendow expressed or implied, concerning the component discription in this Data Teopology any personal injury or property damage or a loss of any kind artising from or wontended with this inspection. Date <u>9406/0</u> signed <u>U</u> (unhorized impector (1) For manually operated valves only.	
	I, the undersigned, holding a valid commission issued by the National Board of Solimir and Pressure Vessel Inspectors and the State or Province of <u>OUENEC</u> and employed by <u>PROVINCE</u> of <u>OUENEC</u> have inspected the piller, or walve, described in this Deta Report on <u>MALIO YY</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, of valve, in accordance with the ASME Code, Section III, Division I. By signing this certificate, neither the inspector nor his employer makes any warrendow expressed or implied, concerning the component discription in this Data Teopology any personal injury or property damage or a loss of any kind artising from or wontended with this inspection. Date <u>9406/0</u> signed <u>U</u> (unhorized impector (1) For manually operated valves only.	

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

1.	Work performed by	Framatome Technologies Inc. (name of NR certificate holder)	First Energy P.O.s 7022415 & 7005137 (P.O. no., job no., etc.)
	3315 Old Forest Roa	d Lynchburg, VA 24501	(dress)
2	Owner First En	ergy Company	

76 South Main St. Akron Ohio 44308

3. Name, address and identification of nuclear power plant 5501 N. SR 2, Oak Harbor, Ohio 43449

Davis-Besse Nuclear Power Station

(address)

Cooling Water Manifolds for Control Rod Drives 4. System

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

			Identif	cation				Construction Code				Activity
No	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
1	(2)	(1)	(2)	N/A	N/A	N/A	N/A	(3)	(4)	N/A	2	Replace
2										 		
3		•		L	<u> </u>			ļ				
4			<u> </u>									
5				ļ					<u> </u>			
6			<u> ·</u>									
7				<u> </u>								
8												
9 10					<u> </u>							
11				<u> </u>								
12											L	L

5. b: Items Installed During Replacement Activities

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	anstanton D'arm			Construction							
Type of Item	Installed or. Replaced 5a Item No.	Mfg. Name	Identifica Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
(6)	1	(5)	(6)	N/A	N/A	N/A	N/A	(3)	(4)	None	2
(6)	<u> </u>	(5)	(6)	N/A	N/A	N/A	N/A	(3)	(4)	None	2
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6.	ASME Code Section XI applicable for inservice inspection:	(edition)	No (addenda)	(Code Cases(s))
7.	ASME Code Section XI used for repairs, modifications, or replace	ements: <u>1986</u> (edition)	No (addenda)	No (Code Cases(s))
8.	Construction Code used for repairs, modifications, or replacement	ts: <u>1971</u> (edition)	No (addenda)	No (Code Cases(s))
9.	Design responsibilities: (7)		· ·	
10.	Tests conducted (8) hydrostatic pneumatic design pressu	re Y pressure	psi Code Case(s)	

This form may be obtained from The National board of Boller and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229 NB-81

12 RFO Inservice Inspection Summary
First Energy Nuclear Operating, 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: 11/27/77

Date May 31, 2000 Signed VCCOC V Construction (aithorized representative) (title CERTIFICATE OF INSPECTION Inspectors and certificate of competency issued by the jurisdiction of Ohio and employed by F.M.I.C.* Inspectors and certificate of competency issued by the jurisdiction of Ohio and employed by F.M.I.C.* inspected the repair, modification or replacement described in this report on April 28, 2000 and state 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. Date 6800 Signed Improve from the state of the stat	Replaced I	lange bolting	at cooling water	manifolds for	control rod drive	S.		
(1) First Energy (2) Replacement of flange bolting at cooling water manifolds for control rod drives (3) ASME Section III, Division I Class 2 (4) Construction Code ASME III, 1971 Edition, No Addenda (5) First Energy (6) Stud-Continuous Thread; 5/8 in, 5-1/2 in, 11 TPI (Heat # 715200), Nut-Hex; Heavy Hex, 5/8 in, 11TPI (Heat # 713514) (7) Franatome Technologies, Inc (8) By others – First Energy (8) By others – First Energy (9) CERTIFICATE OF COMPLIANCE (1) Victor P. Montalbano Certify that to the best of my knowledge and belief the statements made in this re correct and the repair, modification or replacement activities described above conforms to Section XI of the ASME Code and The National Board Certify that to the best of my knowledge and belief the statements made in this re correct and the repair, modification or replacement activities described above conforms to Section XI of the ASME Code and The National Board Certificate of Authorization No. NR-64 to use the "NR" stamp expires May 17 NR Certificate Holder Framatome Technologies Inc. Manager, FT (name) (name) Manager, FT (attroped of the State Intermed of Completency issued by the jurisdiction of Othio and employed by FM.1C.* Manager, FT (bit May 31, 2000 Signed Manager of Joinston, R1 matemployee by FM.1C.* Inspected the repair, modification or replacement described in this report on April 28, 2000 and st								
(1) First Energy (2) Replacement of flange bolting at cooling water manifolds for control rod drives (3) ASME Section III, Division I Class 2 (4) Construction Code ASME III, 1971 Edition, No Addenda (5) First Energy (6) Stud-Continuous Thread; 5/8 in, 5-1/2 in, 11 TPI (Heat # 715200), Nut-Hex; Heavy Hex, 5/8 in, 11TPI (Heat # 713514) (7) Framatome Technologies, Inc (8) By others - First Energy (9) By others - First Energy (6) Stud-Continuous Thread; 5/8 in, 5-1/2 in, 11 TPI (Heat # 715200), Nut-Hex; Heavy Hex, 5/8 in, 11TPI (Heat # 713514) (7) Framatome Technologies, Inc (8) By others - First Energy (9) By others - First Energy (10) Certify that to the best of my knowledge and belief the statements made in this record and the repair, modification or replacement activities described above conforms to Section XI of the ASME Code and The National Board Certificate of Authorization No. NR-64 to use the "NR" stamp expires NR Certificate Holder Framatome Technologies Inc. NR Certificate of Competency issued by the jurisdiction of Otio Manager, FT (11) Thomas G. Laps holding a valid commission issued	·····							
(1) First Energy (2) Replacement of flange bolling at cooling water manifolds for control rod drives (3) ASME Section III, Division I Class 2 (4) Construction Code ASME III, 1971 Edition, No Addenda (5) First Energy (6) Stud-Continuous Thread; 5/8 in, 5-1/2 in, 11 TPI (Heat # 715200), Nut-Hex; Heavy Hex, 5/8 in, 11TPI (Heat # 713514) (7) Framatome Technologies, Inc (6) By others - First Energy (6) By others - First Energy (7) Framatome Technologies, Inc (8) By others - First Energy (9) By others - First Energy (1) Cert P. Montalbano Certify that to the best of my knowledge and betief the statements made in this record and the repair, modification on replacement activities described above conforms to Section XI of the ASME Code and The National Board Certificate of Authorization No. NR-64 to use the "NR" stamp expires NR Certificate Holder Framatome Technologies Inc. (11) 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 (12) Framatome Technologies Inspection Code "NR" rules. Manager, FT (13) Thomas G. Laps								
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(7) Framatome Technologies, Inc (8) By others - First Energy (8) By others - First Energy (7) Framatome Technologies, Inc (8) By others - First Energy (8) By others - First Energy (9) Experiment State (19) (8) Experiment State (19) (8) Experiment State (19) (9) Experiment State (19) (10) Experiment State (19) (11) Experiment State (19) <tr< td=""><td>(5) First E</td><td>inergy ·</td><td></td><td></td><td></td><td>Net How Heater Hoy 5/8</td><td>in LITPL (H</td><td>eat # 713514)</td></tr<>	(5) First E	inergy ·				Net How Heater Hoy 5/8	in LITPL (H	eat # 713514)
(8) By others - First Energy CERTIFICATE OF COMPLIANCE I. Victor P. Montalbano Certify that to the best of my knowledge and belief the statements made in this recorder 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. NR-64 to use the "NR" stamp expires May 17 NR Certificate Holder Framatome Technologies Inc. (name) Manager, FT Date May 31, 2000 Signed Voltor Manager, FT CERTIFICATE OF INSPECTION Inspectors and certulicate of competency issued by the jurisdiction of of Joinston, RI Manager, ST Inspectors and certulicate of competency issued by the jurisdiction of April 28, 2000 and state R Inspector and certulicate of replacement described in this report on April 28, 2000 and state R Inspected line repair, modification or replacement described in this report on April 28, 2000 and state R By signing this certificate, neither the undersigned nor my employer tables any warranty, expressed ar implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer table biable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date 10 (10 (10 (10 (10 (10 (10 (10 (10 (10 (/2 in, 11 TPL (Heat # 715200),	Nut-nex; neavy nex, 34		
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I Victor P. Montalbano Certify that to the best of my knowledge and belief the statements made in this recorrect 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. NR-64 to use the "NR" stamp expires May 17 NR Certificate Holder Framatome Technologies Inc. (name) Manager, FT Date May 31, 2000 Signed Vertex of Provide the Presentative) Manager, FT (name) Vertex of Provide the Presentative Manager, FT (name) Manager, FT Date May 31, 2000 Signed Vertex of Provide the Presentative) Manager, FT Inspectors and certificate of competency issued by the jurisdiction of Provide the repair, modification or replacement described in this report on April 28, 2000 and state H Inspectod the repair, modification or replacement described in this report on April 28, 2000 and state H Section XI of the ASME Code and be National Board Inspection Code "NR" rules. By signing this certificate, neither the undersigned nor my employer that be table in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date 68000 Signed There are the undersigne								
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. NR-64 to use the "NR" stamp expires <u>May 17</u> NR Certificate Holder Framatome Technologies Inc. (name) Date <u>May 31</u> , 2000 Signed <u>Verture</u> (althorized representative) <u>Manager</u> , FT (althorized representative) (title (title								
The National Board Inspection Code "NR" rules. NR-64 to use the "NR" stamp expires May 17 NR Certificate Holder Framatome Technologies Inc. (name) Manager, FT Date May 31, 2000 Signed Without and the stamp expires Manager, FT (ainhorized representative) Manager, FT (title (title CERTIFICATE OF INSPECTION 1, 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 F.M.I.C.* Ohio and employed by Inspected the repair, modification or replacement described in this report on April 28, 2000 and state It 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. Date 66000 Signed Improcernity in this inspection.				CERTI	FICATE OF (COMPLIANCE		
National Board Certificate of Authorization No. NR-04 Io use use the Trive statup expires Inspire NR Certificate Holder Framatome Technologies Inc. (name) Manager, FT Date May 31, 2000 Signed Voltor Manager, FT (aithorized representative) Manager, FT (aithorized representative) Manager, FT (aithorized representative) Manager, FT (aithorized representative) (title CERTIFICATE OF INSPECTION 1, 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 F.M.I.C.* Ohio and employed by Inspected the repair, modification or replacement described in this report on April 28, 2000 and state 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. Date (b) Signed				Certificth	at to the best of	my knowledge and belief	the statement XI of the ASN	s made in this rep ME Code and
Date May 31, 2000 Signed Vertication Manager, FT (aithorized representative) (aithorized representative) (aithorized representative) Manager, FT Line CERTIFICATE OF INSPECTION Certain and employed by Manager, FT Inspectors and certificate of competency issued by the jurisdiction of F.M.I.C.* Ohio and employed by Inspected the repair, modification or replacement described in this report on Section XI of the ASME Code and the National Board Inspection Code "NR" rules. 2000 and state if best of my knowledge and belief, this repair, modification all spection 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. Date 66000 Signed Thormas Hermiter Medicion or connected with this inspection.	The Nationa	Victor P. M the repair, m al Board Inst	Montalbano odification or rep ection Code "NR	Certify th lacement activ.	nat to the best of ities described a	my knowledge and belief hove conforms to Section	XI of the ASN	ME Code and
Date May 31, 2000 Signed VCCION V Structure construction (aithorized representative) (title CERTIFICATE OF INSPECTION I, Thomas G. Laps holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and ceruincate of competency issued by the jurisdiction of Ohio and employed by F.M.I.C.* of Johnston, RI inspected the repair, modification or replacement described in this report on April 28, 2000 and state B 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 athall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date 68/00 Signed Thormat Mathematicate Commissions NB9330 N I A Ohio Comm	The National Bo	Victor P. M the repair, m al Board Insp ard Certifica	Aontalbano odification or rep section Code "NR tte of Authorizatio	Certify th lacement activ. " rules. on No.	nat to the best of ities described a	my knowledge and belief hove conforms to Section	XI of the ASN	ME Code and
L. Thomas G. Laps holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certuicate of competency issued by the jurisdiction of Ohio and employed by F.M.I.C.* of Johnston, RI inspected the repair, modification or replacement described in this report on April 28, 2000 and state H 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 athall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date 6600 Signed Thormat Homes (msterCor)	The National Bo	Victor P. M the repair, m al Board Insp ard Certifica	Aontalbano odification or rep section Code "NR tte of Authorizatio	Certify th lacement activ. " rules. on No. thnologies Inc. (name)	nat to the best of ities described a	my knowledge and belief hove conforms to Section	XI of the ASN	ME Code and May 17
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 F.M.I.C. ⁹ of Johnston, RI inspected the repair, modification or replacement described in this report on April 28, 2000 and state 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 akall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date <u>6600</u> Signed <u>Thorney</u> (msrccfbr) II (National Board (mcl. endorsements), jurisdiction)	The National National Bo NR Certific	Victor P. M the repair, m al Board Insp ward Certifica ate Holder	Aontalbano odification or rep vection Code "NR te of Authorizatio Franzione Tec	Certify th lacement activ. " rules. on No. thnologies Inc. (name)	nat to the best of ities described a NR-64	my knowledge and belief bove conforms to Section to use the "NR" stamp of Markadam	XI of the ASN	ME Code and
Inspectors and certificate of competency issued by the jurisdiction of F.M.I.C. ⁹ inspected the repair, modification or replacement described in this report on 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. Date <u>6600</u> Signed <u>Inspector</u> (Inspector) II (National Board (incl. endorsements), jurisdiction	The National National Bo NR Certific	Victor P. M the repair, m al Board Insp ward Certifica ate Holder	Aontalbano odification or rep vection Code "NR te of Authorizatio Franzione Tec	Certify th lacement activ. " rules. on No. thnologies Inc. (name)	nat to the best of ities described a NR-64	my knowledge and belief bove conforms to Section to use the "NR" stamp of Markadam	XI of the ASN	ME Code and May 17 Manager, FT
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F.M.I.C.* inspected the repair, modification or replacement described in this report on <u>April 28, 2000</u> and state it 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 ashall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection. Date <u>66000</u> Signed <u>Thorney</u> (Inspectic) (National Board (Incl. endorsements), jurisdiction	The National Bo National Bo NR Certific Date	Victor P. N the repair, m al Board Insp oard Certifica ate Holder May 31,	Aontalbano odification or rep section Code "NR te of Authorizati Framatome Tec 2000	Certify th lacement activ. "rules. on No. 	NR-64	my knowledge and belief sove conforms to Section to use the "NR" stamp of Mana La Con- sorized representative) INSPECTION	XI of the ASN	ME Code and May 17 Manager, FTI (title
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*Factory Mutual Insurance Company	I, Thoma Inspectors i F.M.I. inspectors i F.M.I. inspected fi best of my Section XI By signing the work day any person	Victor P. M the repair, m al Board Insp oard Certifica ate Holder May 31, as G. Laps and ceruficat .C.• hie repair, mo knowledge a of the ASMI this certifica	Aontalbano odification or rep ection Code "NR ite of Authorizatio Framatorne Tee 2000 	Certify th lacement activ. "rules. on No. thnologies Inc. (name) Signed CER olding a valid issued by the ju acement descri- air, modificational dersigned nor a rmore, neither i loss of any king	And to the best of ities described a NR-64 VCLOP (airl TIFICATE OF commission issu urisdiction of bed in this report on or replacement inspection Code my employer mathe undersigned d arising from on	my knowledge and belief bove conforms to Section to use the "NR" stamp of Market and the stamp of morized representative) INSPECTION ed by The National Board Ohio of Johnston, to April 28, that activity has been comple "NR" rules. kes any warranty, express nor my employer shall be connected with this inspec-	of Boiler and and emplo RI 2000 eted in accord liable in any rection.	ME Code and May 17 Manager, FTI (hille Pressure Vessel oyed by and state the ance with concerning manner for

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

1.	Work performed by Framatome Technologies Inc. (name of NR certificate holder)	First Energy P.O.s 7022415 & 7005137 (P.O. no., job no., etc.)
	3315 Old Forest Road Lynchburg, VA 24501	(address)
2.	Owner First Energy Company	
	76 South Main St. Akron Ohio 44308	(address)
_		Davis-Besse Nuclear Power Station

3. Name, address and identification of nuclear power plant 5501 N. SR 2, Oak Harbor, Ohio 43449

Reactor Pressure Vessel 4. System

10.

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

5.	a. nono v							r	Constructio	n Code		Activity
No	Type of Item	Mfg. Name	Identifi Mfg. Serial No.	cation Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Codc Case(s)	Code Class	Repair/ Mod/ Replace
		(1)	(2)	N/A	N/A	N/A	N/A	(3)	(4)	N/A		Replace
1	(2)	(1)	<u> </u>			1						
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9					+	<u></u>						
10				+				1	1			<u> </u>
11			<u> </u>			+						<u> </u>
12	1			<u> </u>								

5. b: Items	Installed During	g Replacer	nent Activitie	<u>s</u>					Construction	Code	
Type of Item	Installed or. Replaced	Mfg. Name	Identifica Mfg. Serial No.	tion Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
	5a Item No.	(0)	(5)	N/A	N/A	N/A	N/A	(3)	(4)	None	┝─┿─
(5)		(8)	(6)	N/A	N/A	N/A	N/A	(3)	(4)	None	┟╾╌└──
(6)	<u>1</u>	(8)		<u> </u>					L		
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6, ASM	VIE Code Sectio	o Xi sooli	icable for inse	rvice inspect	ion:	1986		No (addenda)		N (Code C	

	ASME Code Section XI used for repairs, modifications, or replacements:	1986 (edition) 1968 (edition)	Summer 68	No (Code Cases(s)) N/A (Code Cases(s))
9.	Design responsibilities: (7)			
10.	Tests conducted (8) hydrostatic pneumatic design pressure Y	pressure	psi Code Case(s)	

This form may be obtained from The National board of Boller and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229 NB-81

12 RFO Inservice Inspection Summary
First Energy Nuclear Operating, 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: 11/27/77

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	cription of work:	(use of properly i			• • • •	
Repla	ced split rings and ho	down bolts on five	e CRD to RV flange	locations CI1, D10, I	F8, F10, & G9.	
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						<u> </u>
			- -			
	-					
2. Re (1) B	abcock and Wilcox C	ompany				
			con Control Rod D	rive to RV locations C	11, D10, F8, F10.	£ G9
(3) A	SME Section III, Div	Ision 1				
(4) C	onstruction Code ASM	ME III, 1968 Edition,	, 1968 Summer Ad	Jenda	07	
(5) S	olit Rings S/Ns - D10)/167, F8/185, C11	/ 162, F10 / 247, 8	c G9 / 209, Heat # B36	87 applicable for a	ll Split Kings
(6) 8	old down bolts D10, I	F10, and G9 - Heat #	# 20233-3 (Qty-24)	C11 - Heat # 20233-	2 (Qty-8), and	
	8 – (Oty 5) Heat # 20.	(Q(Y 3) HIL				
(7) F	8 - (Qty 5) Heat # 20. rematome Technologi		cal # 20233-3	· · · · · · · · · · · · · · · · · · ·		
	8 – (Qty 5) Heat # 20. ramatorne Technologi y others – First Energ	ics, Inc		· · · · · · · · · · · · · · · · · · ·		
	ramatorne Technologi	ics, Inc				
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	ramatorne Technologi	jes, Inc 37		DF COMPLIANCE		
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OR REPLACEMENT [] MODIFICATION Y TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS FORM NR-1

 1.	Work performed by Framatome Technologies Inc. (name of NR certificate bol	der) [P.O. 80., job 80., etc.]
	3315 Old Forest Road Lynchburg, VA 24501	(address)
2.	Owner First Energy Company	
	76 South Main St. Akron Ohio 44308	(address)
3.	Name, address and identification of nuclear power plant 5501 N. SR 2, Oak Harbor, Ohio 43449	Davis-Besse Nuclear Power Station
4.	System Steam Generator #E24-1	
5.	a: Items Which Required Repair, Modification, or Replace	ment Activities

Activity **Construction Code** Repair/ Identification Code Code Name/ Edition/ Year Other Mod/ Jurisd. Class Nat'l Mfg. Mfg. Addenda Case(s) Type of Section/ No Built No. Replace Bd. No. Serial No. Name Item Division Repair A (5) (4) 1972 (3) N/A N/A 158 (2) (1) (2) 1 2 3 4 5 6 7 8 9 10 11 12

the Items	Installed During	g Replacer	nent Activitie	s					Construction		
Type of Item	Installed or. Replaced	Mfg. Name	Identifica Mfg. Serial No.	tion Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
	5a Item No.		(7)	N/A	N/A	N/A	N/A	(3)	(4)	None	┟╌╌╩╌╌╴
(6)	1	(8)	<u> </u>								
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6.	ASME Code Section XI applicable for inservice inspection: [1960] (addenda)	(Code Cases(s))
	ASME Code Section XI used for repairs, modifications, or replacements: <u>1986</u> (addenda) Construction Code used for repairs, modifications, or replacements: <u>1968</u> Summer 68 (edition) (addenda)	No (Code Cases(s)) 1332-4, 1407-1 (Code Cases(s))
9. 10.	Design responsibilities:	·

This form may be obtained from The National board of Boller and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229 Rev. F

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NB-81

Description of work:	Repaired B Steam Generator tubes by rolled plugging utilizing procedure 1275284-02. Additionally a (use of properly identified additional sheet(s) or sketch(es) is acceptable)	
TTR 6002827 for accep	tance of owner supplied material.	
Remarks:		
(1) Babcock and Wilcon		
(2) Steam Generator #E	24-1, S/N 620-0014-55-12	
(3) ASME Section III, I	Division 1	
(4) Construction Code	ASME III, 1968 Edition, 1968 Summer Addenda	
1000 4	1407 1	
(6) Rolled Plug - FTI P	Ns, Stabilizer Rolled Plug - 1196122-002, and Threaded Rolled Plug - 1222118-005	
(7) Rolled Plug Serial N	Numbers: See QCIR 6002828-00	
(8) Framatome Techno	logies Inc.	
(9) By Others-First End	argy	
	CERTIFICATE OF COMPLIANCE	port are
	CERTIFICATE OF COMPLIANCE	port are
, Victor P. N	CERTIFICATE OF COMPLIANCE Montalbano Certify that to the best of my knowledge and belief the statements made in this re odification or replacement activities described above conforms to Section XI of the ASME Code and	
, Victor P. M orrect and the repair, m The National Board Insp	CERTIFICATE OF COMPLIANCE Montalbano Certify that to the best of my knowledge and belief the statements made in this resolution or replacement activities described above conforms to Section XI of the ASME Code and becief "NR" rules. te of Authorization No. NR-64 to use the "NR" stamp expires May 17	
, Victor P. M orrect and the repair, m The National Board Insp	CERTIFICATE OF COMPLIANCE Montalbano Certify that to the best of my knowledge and belief the statements made in this re iodification or replacement activities described above conforms to Section XI of the ASME Code and bection Code "NR" rules. ate of Authorization No. NR-64 to use the "NR" stamp expires May 17	
, Victor P. N orrect and the repair, m The National Board Insp National Board Certifica VR Certificate Holder	CERTIFICATE OF COMPLIANCE Montalbano Certify that to the best of my knowledge and belief the statements made in this remodification or replacement activities described above conforms to Section XI of the ASME Code and section Code "NR" rules. action Code "NR" rules. NR-64 to use the "NR" stamp expires May 17 Framatome Technologies Inc.	 T Qualit
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, Victor P. N. correct and the repair, m The National Board Insp. National Board Certifica NR Certificate Holder Date May 31, I, Thomas G. Laps Inspectors and certificat F.M.I.C.* inspected the repair, mo best of my knowledge a Section XI of the ASM By signing this certificat	CERTIFICATE OF COMPLIANCE Montalbano Certify that to the best of my knowledge and belief the statements made in this remodification or replacement activities described above conforms to Section XI of the ASME Code and section Code "NR" rules. te of Authorization No. NR-64 to use the "NR" stamp expires May 17 Framatome Technologies Inc. (name) Manager, FI 2000 Signed Manager, FI (authorized representative) (title CERTIFICATE OF INSPECTION holding a valid commission issued by The National Board of Boiler and Pressure Vesset of Johnston, RI Signed in this report on April 28, 2000 and state for and belief, this repair, modification or replacement activity has been completed in accordance with E Code and the National Board of Inspection Code "NR" rules. at e, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for operty damage or loss of any kind arising from or connected with this inspection.	 TI Qualit E)

FORM NR-1 REPORT OF REPAIR X MODIFICATION Y OR REPLACEMENT [] TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1.	Work performed by Framatome Technologies Inc. (name of NR certificate holder)	First Energy P.O.s 7022415 & 7005137 (P.O. no., job no., etc.)
	3315 Old Forest Road Lynchburg, VA 24501 (address)	
2.	Owner First Energy Company (name)	
	76 South Main St. Akron Ohio 44308 (address)	
3.	Name, address and identification of nuclear power plant Davis-Besse Nuclear 5501 N. SR 2, Oak Harbor, Ohio 43449	Power Station
4.	System Steam Generator #E24-2	

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

J.	u								Construction	n Code		Activity
No	Type of Item	Mfg. Name	Identifi Mfg. Serial No.	cation Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class	Repair/ Mod/ Replace
	(0)	(1)	(2)	159	N/A	N/A	1972	(3)	(4)	(5)		Repair
2	(2)							 				
3				ļ	ļ							
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. b: Iter	ns Installed During	z Replacer	nent Activitie	.5					Construction	Codc	
Type o Item	Installed or. Replaced	Mfg. Name	Identifica Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/ Section/ Division	Edition/ Addenda	Code Case(s)	Code Class
	5a Item No.	(8)	(7)	N/A	N/A	N/A	N/A	(3)	(4)	None	1
(6)		(0)		1					ļ		
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6. A	SME Code Sectio	n XI appli	cable for inse	rvice inspect	ion:	1986 (edition		No (addenda))	(Code C	
							1986	•	No	N	
	SME Code Sectio						(edition) 1968		tenda)	(Code C 1332-4,	ases(s)) 1407-1
8 . C	Construction Code	used for re	epairs, modifi	cations, or re	placement	s:	(edition)	(adde		(Code C	ases(s)
9. I	esign responsibili	tjes: _	8)	<u> </u>							

10. Tests conducted: (9) hydrostatic pneumatic design pressure Y 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

14 1 1

Description of work:	Repaired A Steam Generator (use of properly identified	additional silces	s) of sketch(es) is acceptatic)		
CIR 6002827 for accer	tance of owner supplied materia	d.			
			· · · · · · · · · · · · · · · · · · ·		
Remarks: (1) Babcock and Wilco	Company				
	24-2, S/N 620-0014-55-11				
(3) ASME Section III,	Division 1				
(3) ASME Section Int,	ASME III, 1968 Edition, 1968	Summer Addend	a		
and the second	1 107 1				
(5) Code Cases 1552-	Ns Stabilizer Rolled Plug - 1	196122-002, and	Threaded Rolled Plug - 122211	8-005	
(b) Kolica Flug - Fill	Numbers: See QCIR 6002828-0	0			
(7) Rolled Flug Schar (8) Framatome Techno	tunicola cit (tim				
TYN Grammanning I Could	logies Inc.				
				·	· · · · · ·
(9) By Others-First En					
	rgy				······································
	rgy CERTI	FICATE OF (COMPLIANCE		
(9) By Others-First En Victor P. 1	CERTI Aontalbano Certify t odification or replacement activ	FICATE OF	to the and holis (the sta	tements made in this replaced by the tements of the temperature of tempe	port arc
(9) By Others-First En Victor P. I orrect and the repair, n	CERTI Aontalbano Certify t odification or replacement activ vection Code "NR" rules.	FICATE OF			
(9) By Others-First En Victor P. 1 Correct and the repair, n The National Board Ins Vational Board Certific	CERTI Aontalbano Certify t odification or replacement activ section Code "NR" rules. ate of Authorization No.	FICATE OF (hat to the best of rities described a NR-64	my knowledge and belief the sta bove conforms to Section XI of t	May 17	200
(9) By Others-First En Victor P. I orrect and the repair, n	CERTI Aontalbano Certify t odification or replacement activ section Code "NR" rules. Ite of Authorization No. Framatome Technologies Inc (name)	FICATE OF (hat to the best of rities described a NR-64	my knowledge and belief the sta bove conforms to Section XI of t	May 17 Manager, FTI	200 Quality
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(9) By Others-First En Victor P. 1 Correct and the repair, n National Board Certific NR Certificate Holder Date May 31,	CERTI Aontalbano Certify t odification or replacement activ exction Code "NR" rules. ate of Authorization No. Framatome Technologies Inc (name) 2000 Signed	FICATE OF C hat to the best of hities described a NR-64	my knowledge and belief the sta bove conforms to Section XI of to to use the "NR" stamp expires horized representative) INSPECTION and by The National Board of Bo	May 17 Manager, FTI (title	200 Quality
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