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Regulatory Docket File

DRESDEN STATION

D3R14 Refueling Outage

In-Service Inspection Summary Report

Introduction

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Prepared	Ву:	Brendan J. Casus	1 9-2-97	_
Reviewed	d By:	Kird Burn	1 9/4/97	_
Approved	l By:	Willy Tronghy	19/1/97	_

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

Section I

The fourteenth Inservice Inspection (ISI) of Dresden Unit 3 was performed during the Spring Refueling Outage, which lasted from March 29, 1997 to June 20, 1997. This was the first outage of the second inspection period of the unit's 3rd 10-year ISI Inspection Interval which commenced on March 1, 1992. The second period commenced on November 1, 1995 and is currently scheduled to end on October 31, 1999.

Raytheon was contracted to perform the non-destructive examinations and General Electric was contracted to perform the reactor vessel visual examinations during the refuel outage. Commonwealth Edision personnel performed the remaining visual examinations. Personnel from Commonwealth Edison's System Materials Analysis Department (SMAD) participated in the inspection to advise on technical problems, review examination results, and evaluate indications.

The Authorized Nuclear Inservice Inspector's (ANII) services were provided by Hartford Steam Boiler Inspection and Insurance Company (HSB). The ANII reviewed procedures, personnel qualifications, instrument and material certifications, and examination results.

All examinations were performed in accordance with the Unit 3 Technical Specifications, the ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition, and Generic Letter 88-01.

A list of abbreviations used throughout this report can be found in Section IV of this report.

Commonwealth Edison Co. P.O. Box 767, Chicago, IL 60690

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450 March 1997 Inservice Inspection Unit No. 3; National Board No. N-139 Commercial Service Date: 11-16-71

Section II Scope of Inspection

Abstract of Examinations

ISI and Augmented Examinations - Table A

Table A contains a list of components examined during D3R14 to satisfy the requirements of ASME Section XI and Generic Letter 88-01. Those items which were examined that required no further evaluation are identified as acceptable. Those items that required further evaluation are discussed in Section III.

Summary of Vessel Interior Examinations - Attachment A

Attachment A contains a summary of examinations performed to satisfy the requirements of ASME Section XI categories BN1, BN2, and various special examination requirements. Details of the examinations, results, and corrective measures are included.

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

. Owner:	Commonwealth Edison, One First National Plaza, P.O. Box 767, Chicago, IL 60690-0767

2. Plant: Dresden Nuclear Power Station, 6500 N. Dresden Road, Morris, IL 60450

3. Plant Unit: Three 4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 11/16/71 6. National Board Number of Unit: N-139

7. Components Inspected: See Section II of attached report (report is 195 total pages).

Component or Appurtenance	Component Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
Class 1 & 2 Systems	Babcock & Wilcox, Barberton, Ohio	610-0111-51	B0082900	N-139
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FORM NIS-1 (Back)

8. Examination Dates:	3/29/97 to 6/16/97
9. Inspection Period Identification:	Second Inspection Period - From 11/1/95 to 10/31/99
10. Inspection Interval Identification:	Third Inspection Interval - From 3/1/92 to 2/28/02
11. Applicable Edition of Section XI	1989 Edition with No Addenda
12. Date/Revision of Inspection Plan:	10/17/94 - Revision 4
13. Abstract of Examinations and Tests. Include a list of work required for the Inspection Plan. See Attached Sections II	of examinations and tests and a statement concerning status . and III
14. Abstract of Results of Examinations and Tests. See Attached Sections II a	and III
15. Abstract of Corrective Measures. See Attached Sections III	and V_{\cdot}
	are correct, b) the examinations and tests meet the Inspection Plan orrective measures taken conform to the rules of the ASME Code, N/A Expiration Date:N/A
Date: 9-10 1997 Signed For:	Commonwealth Edison Company
By: Brendan J. Casey	Site Engineering ISI Coordinator
CERTIFICA	ATE OF INSERVICE INSPECTION
Vessel Inspectors and the State or Province of inspected the components described in this Ow the best of my knowledge and belief, the owner in this Owner's Report in accordance with the	valid commission issued by the National Board of Boiler and Pressure Illinois and employed by HSBI & I Co. of Hartford, Connecticut have wher's Report during the period from 3/29/97 to 6/16/97, and state that to er has performed examinations and taken corrective measures described requirements of ASME Code, Section XI.
implied, concerning the examinations and corr the inspector nor his employer shall be liable in kind arising from or connected with this inspec	rective measures described in the Owner's Report. Furthermore, neither in any manner for any personal injury or property damage or loss of any ection.
	Inspector's Signature
Commissions: NB7742NISB, IL932	Q = 1/2

National Board, State, Province, and Endorsements

Section II Scope of Inspection

ISI and Augmented Examinations Table A

Category	ltem	Augment	System	Line	Сотронен	Туре	Exam	Gredit	Results
BA	B1.21	N/A	RPV	RPV UPP HD	3-THD-DA	CIRC	UT	ΧI	Acceptable.
ВА	B1.21	N/A	RPV	RPV UPP HD	3-THD-DB	CIRC	UT	ΧI	Acceptable.
BA	B1.21	N/A	RPV	RPV UPP HD	3-THD-DC	CIRC	UT	ΧI	Acceptable.
ВА	B1.22	N/A	RPV	RPV UPP HD	3-THD-M1	MERID	UT	XI	Acceptable.
ва	B1.22	N/A	RPV	RPV UPP HD	3-THD-M2	MERID	UT	XI	Acceptable.
ВА	B1.22	N/A	RPV	RPV UPP HD	3-THD-M3	MERID	UT	ΧI	Acceptable.
ВА	B1.40	N/A	RPV	RPV UPP HD	3-THD-FLGA	THD-FLG	MT UT	XI XI	Acceptable.
ВА	B1.40	N/A	RPV	RPV UPP HD	3-THD-FLGB	THD-FLG	MT UT	XI XI	Acceptable.
ВА	B1.40	N/A	RPV	RPV UPP HD	3-THD-FLGC	THD-FLG	MT UT	XI XI	Acceptable.
ВA	B1.40	N/A	RPV	RPV UPP HD	3-THD-FLGD	THD-FLG	MT UT	XI XI	See Section III
ВА	B1.40	N/A	RPV	RPV UPP HD	3-THD-FLGE	THD-FLG	MT UT	XI XI	See Section III
ВА	B1.40	N/A	RPV	RPV UPP HD	3-THD-FLGF	THD-FLG	MT UT	XI XI	See Section III
BD	B3.90	N/A	RPV	RPV UPP HD	N18A-2	NOZ-RPV	UT	ΧI	Acceptable.
BD	B3.90	N/A	RPV	RPV UPP HD	N18B-2	RPV-NOZ	UT	Χl	Acceptable.
BD	B3.90	N/A	RPV	RPV UPP HD	N8-2	RPV-NOZ	UT	ΧI	Acceptable.
BF	B5.10	GL88-01 D	RHS	0304-6	N18A-3	SE-NOZ	UT	88	Acceptable.
BF	B5.10	GL88-01 D	RHSP	RH SPARE	N18B-3	NOZ-SE	UT	88	Acceptable.
BF	B5.10	GL88-01 D	RHV	0215-4	N8-3	NOZ-SE	UT	88	Acceptable.
BF	B5.130	GL88-01 D	RHV	0215-4	4-1	FLG-P	UT	88	Acceptable.
BF	B5.130	GL88-01 A	SDC	1001A-16	16-48	VLV-EL	UT	OR	Acceptable.
BF	B5.130	GL88-01 A	SDC	1001B-16	16-11	VLV-P	UT	OR	Acceptable.
BF	B5.150	N/A	RVBD	0207-2	2-5	SWE-P	PΤ	ΧI	Acceptable.
BF	B5.20	N/A	LVLA	LVLA	N16A-3	NOZ-SE	PT UT	XI OR	Acceptable.
BF	B5.20	N/A	LVLB	LVLB	N16B-3	NOZ-SE	PT UT	XI OR	Acceptable.
BF	B5.20	N/A	SBLC	1102-1.5	N12-3	SE-NOZ	PT UT	OR OR	Acceptable.
BF	B5.20	N/A	UVLA	UVLA	N13A-3	NOZ-SE	PT UT	XI OR	Acceptable.

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

Section II Scope of Inspection

ISI and Augmented Examinations Table A

Category	Hem	Augment	System	Line	Component	Type	Exam	Credit	Results
BF	B5.20	N/A	UVLB	UVLB	N13B-3	NOZ-SE	PT UT	XI OR	Acceptable.
BG1 BG1	B6.20 B6.40	N/A N/A	RPV RPV	RPV UPP HD	HD STUDS IN PLC (92) FLG THRDS (92)	FLGBLT FLGBLT	UT UT	OR XI	Acceptable.
									<u> </u>
BJ	B9.11	GL88-01 D	RHS	0304-6	6A-1	FLG-SE	UT	88	Acceptable.
BJ	B9.11	GL88-01 D	RHSP	RH SPARE	6B-1	SE-FLG	UT	88	Acceptable.
BJ	B9.11	GL88-01 D	RHV	0215-4	4A-1(A)	SE-FLG	UT	88	Acceptable.
BJ	B9.21	N/A	UVLA	UVLA	UVLA2-1	SE-P	PT	ΧI	Acceptable.
BJ	B9.40	N/A	LVLB	LVLB	LVLB2-2	P-SWR	PT	ΧI	Acceptable.
BM2	B12.50	N/A	RWCU	1201-8	MO-3-1201-1	VLV	VT-3/4	XI	Acceptable.
ВР	B15.OT	N/A	N/A	TEST BLOCK	RCPB	N/A	VT-2	XI	See Section III
CF1	C5.11	GL88-01 C	ISCOSS	1302-14	14-7	P-TEE	PT UT	XI XI88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302-14	14-8	TEE-RED	UT	88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302-14	14-9	TEE-RED	UT	88	Acceptable.
CF1	C5,11	GL88-01 C	ISCOSS	1302A-12	12-1	RED-P	PT UT	XI XI88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-1	RED-P	PT UT	XI XI88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-1.1	P-P	UT	88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-2	P-P	UT	88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-3	P-EL	UT	88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-4	EL-P	UΤ	88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-5	P-EL	PT UT	XI XI88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-6	EL-P	UT	88	Acceptable.
CF1	C5.11	GL88-01 C	ISCOSS	1302B-12	12-7	P-SE	UT	88	Acceptable.
CH	C7.OT	N/A	N/A	TEST BLOCK	03A1	N/A	VT-2	ΧI	See Section III
CH	C7.OT	N/A	N/A	TEST BLOCK	15A1	N/A	VT-2	ΧI	Acceptable.
DB	D2.IA	N/A	CCSWBD	1510-16	M-1200D-108	IWA	VT-3/4	ΧI	Acceptable.
DB	D2.IA	N/A	SRVDA	3019A-8	M-1143 SHT 24	IWA	VT-3/4	OR	Acceptable.

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Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450 March 1997 Inservice Inspection Unit No. 3; National Board No. N-139 Commercial Service Date: 11-16-71

Section II Scope of Inspection

ISI and Augmented Examinations Table A

Category	Hem	Augmen	System	Line	Component	Туре	Exam	Credi	l Results
FA	F1.30	N/A	CCSWAD	1514D-8	M-1200D-259	CL 3 SUP	VT-3/4	OR	See Section III
FA	F1.30	N/A	CCSWBD	1510-16	M-1200D-108	CL 3 SUP	VT-3/4	X!	Acceptable.

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Section II Scope of Inspection

Summary of Vessel Interior Examinations Attachment A

During the D3R14 refueling outage, comprehensive visual and ultrasonic examinations of reactor vessel internal components were conducted to ensure the continued integrity of the RPV internals. These examinations also served to meet ASME Code and augmented inspection requirements. The specific components examined, the methods utilized, and the examination results are provided below.

Core Shroud Inspections

The core shroud examinations were performed in conjunction with a comprehensive shroud repair to assure that structural integrity of the core shroud is maintained. The examinations of the reactor core shroud were performed in accordance with ComEd's commitment to NRC Generic Letter 94-03 and BWRVIP guidelines.

The examinations of the core shroud consisted of ultrasonic examination (UT) and enhanced visual examination (EVT-1) of the shroud vertical welds, along with enhanced visual examination of the ring segment welds and remaining design reliant welds and structures. The ultrasonic examinations were performed in accordance with the BWRVIP "Standards for Ultrasonic Examination of Core Shroud Welds" and the visual examinations were performed in accordance with the BWRVIP "Standards for Visual Inspections of Core Shrouds". Additionally, eddy current and ultrasonic examinations were used as aids in identifying the location of ring segment welds associated with the shroud head flange ring, the top guide support ring, and the core plate support ring.

In response to the recent discovery of extensive shroud vertical weld cracking at a domestic BWR, ComEd opted to significantly expand the initial examination scope over that proposed in the original commitment to the NRC. In the original Inspection Plan, ComEd committed to performing enhanced visual examination of 25% of the equivalent length of all vertical welds from either the inner diameter (ID) or outer diameter (OD) surface, along with enhanced visual examination of 25% of the ring segment welds from all accessible surfaces. The expanded examination scope included ultrasonic and enhanced visual examination of the accessible length of each shroud vertical weld (12 total) from the shroud OD, along with enhanced visual examination of each ring segment weld (16 total) from all accessible surfaces.

The following is a summary of the core shroud examination scope and results. Details of the specific areas examined and the results of the examinations are presented in Table 1 and Figure 1.

- The ultrasonic examination scope consisted of shroud vertical welds V5 through V7 (located between the H1 and H2 circumferential welds), V14 through V19 (located in the beltline region between circumferential welds H3 and H5), and V26 through V28 (located between circumferential welds H6 and H7). A total of 551 inches of the 760 inches of total cumulative vertical weld length (or 72.5%) was examined by at least one search unit from one side of the weld. Individual UT length coverage of all 12 vertical shroud welds ranged from between 34% and 96% per weld. These examinations resulted in no reportable indications.
- The enhanced visual examination scope consisted of the ring segment welds associated with the shroud head flange ring (V1 through V4), top guide support ring (V8 through V13), and core plate support ring (V20 through V25); the H8 and H9 circumferential welds at the shroud repair hardware

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Section II Scope of Inspection

Summary of Vessel Interior Examinations Attachment A

locations; and the OD surface of all 12 vertical shroud welds on the side of the weld opposite from the UT search unit. These examinations resulted in no reportable indications in the area of interest. However, circumferential cracking associated with the H2, H3 and H5 welds, as well as vertically oriented cracking in the vicinity of the V23 and V25 core plate ring segment welds was identified during performance of the ring segment weld examinations. The H2, H3 and H5 welds were not part of the core shroud examination scope because the installed comprehensive shroud repair was designed to structurally replace circumferential shroud welds H1 through H7. Therefore, the observed circumferential cracking has no adverse impact on core shroud structural integrity.

The vertically oriented cracking identified in the vicinity of the V23 and V25 ring segment welds was contained in an area of heavy localized grinding on the OD surface of the ring. The cracking is confined to this area of localized grinding and branches down from the circumferentially oriented cracking in the lower heat affected zone (HAZ) of the H5 weld (see Figure 2).

It is important to note that the ring segment welds cannot be identified visually, as all surfaces of the ring were machined after the six individual segments were welded together. As a result of this machining process, heavy circumferential machining grooves are evident on the majority of the ring surface, except where localized grinding was performed. In order to verify the location of the ring segment welds, eddy current examination was performed and a review of archived OD tracker ultrasonic examination data from the D3R13 outage was reviewed. Because the ring segment welds cannot actually be seen, the examination of each weld area included all of the area between two readily discernible landmarks encompassing the azimuth identified for the weld location (i.e., between two jet pump pairs, between two shroud head bolt lug sets, etc.).

Supplemental ultrasonic examination was performed on the vertically oriented cracking in these two areas in order to quantify flaw depths and to determine if the cracking was actually associated with the heat affected zones of the V23 and V25 welds, rather than simply an axial component of the H5 circumferential crack that propagated into the heavily ground area of the ring. The flaws were sized as follows:

- V23 2.8 inches in vertical length extending downward from the H5 circumferential weld.

 Maximum radial through wall depth was 0.50 inches at intersection with circumferential crack, with depths ranging between 0.25 inches and 0.40 inches elsewhere.
- V25 Exact vertical length could not be determined due to shallow depth and flaw orientation, however, the area of flaw length sized was 1.2 inches in vertical length extending downward from the H5 circumferential weld. Maximum radial through wall depth was 0.25 inches at intersection with circumferential crack, with depths ranging between 0.15 inches and 0.25 inches elsewhere.

The UT technique employed was only able to scan a five inch area adjacent to the cracking due to interference with the jet pump mixers. However, these scans did not reveal any evidence of a ring segment weld in the ground areas containing the vertically oriented flaws, although the UT technique should have seen evidence of the weld, if it were present.

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Section II Scope of Inspection

Summary of Vessel Interior Examinations Attachment A

Based upon the above, it is believed that the vertically oriented flaws identified in the vicinity of the V23 and V25 ring segment welds are simply axial components of the circumferential cracking contained in the lower heat affected zone of the H5 weld as a result of the surface cold working introduced by heavy localized grinding.

Additionally, even if it were assumed that the vertically oriented cracking was associated with the V23 and V25 ring segment welds, the radial depth of the cracking is shallow and structural margins are ensured for a minimum of 4 operating cycles after applying a radial crack growth rate of 5x10⁻⁵ inches per hour (reference NDIT No. S040-DH-0453, and S&L Calc No. CMED-060298). The core plate support ring is 4.0 inches thick with a radial width of 10.68 inches, where only an area of 7.4 square inches of unflawed ligament is required for the ring to maintain full structural integrity under all design basis and beyond events.

In summary, the examinations of the core shroud design reliant structures performed at Dresden Unit 3 resulted in no indications of cracking that compromise the structural integrity of the core shroud design reliant structures.

Core Spray Inspections

The internal core spray examinations were performed in accordance with the recommendations provided in BWRVIP document BWRVIP-18, BWR Core Spray Internals Inspection and Evaluation Guidelines. The inspection scope consisted of automated ultrasonic examination of all core spray piping welds from the junction box at the RPV nozzle to the downcomer connection at the shroud. Where access restrictions prevented 100% ultrasonic coverage of a given weld, supplemental enhanced visual examination was performed to ensure 100% coverage of the weld, where possible. Enhanced visual examination was also performed on the elbow to shroud pipe welds (P4d) and the shroud pipe to collar welds (P8a), because the ultrasonic techniques employed at these locations have not yet been fully qualified per BWRVIP-03, Reactor Pressure Vessel and Internals Examination Guidelines. Additionally, modified VT-1 visual examinations were performed on all eight core spray wall brackets.

Internal to the shroud, enhanced visual examinations were performed on the core spray sparger tee-box cover plate welds, sparger to tee-box branch connection welds, and sparger end cap welds. Also, modified VT-1 examinations were performed on the sparger nozzles, piping, brackets, and gusset welds.

The examinations conducted identified and sized the two existing flaws in the downcomer pipe to lower elbow welds (P4c), on the 110° and 290° azimuth downcomers. Additionally, three previously undetected flaws were identified and sized in the shroud penetration thermal sleeve collar near the P8a welds. All three of the shroud pipe to collar flaws are located in the collar side of the weld, approximately 0.50" back from the face of the collar. The flaws are located on the 80°, 110°, and 260° downcomers. Specific details of the component geometry and flaw locations are as depicted in Figures 3 through 7.

An evaluation of the core spray flaws was conducted by Sargent & Lundy utilizing limit load analysis techniques (Report Number SL-5130, Rev 1, Dresden Unit 3 Core Spray Flaw Evaluation Report). The results of this analysis demonstrate that the core spray downcomer piping is capable of withstanding all normal operating and design basis loading conditions in its current degraded condition for a minimum of

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Section II Scope of Inspection

Summary of Vessel Interior Examinations Attachment A

67 months of hot operation. Consequently, no repairs were implemented during this outage. The condition of the degraded core spray welds will continue to be monitored by following the recommendations provided in BWRVIP-18, BWR Core Spray Internals Inspection and Evaluation Guidelines, during subsequent outages.

Jet Pump Hold Down Beam Ultrasonic Examinations

An ultrasonic examination of nineteen of the twenty jet pump hold down beams was conducted in accordance with NDT-C-29, utilizing the new examination fixture purchased from Siemans Power Corporation. This fixture is capable of detecting flaws in the bolt area of the beam as well as in the engagement ears. One beam (jet pump #8) could not be examined utilizing the new fixture due to interference with the lock plate, which was deformed during a previous outage. Also, the examination identified a crack indication in the shroud side engagement ear of jet pump beam #13. Both the #8 and #13 beams were replaced with BWR 4 style beams by personnel from GE Nuclear Energy under Work Request 970036394.

Jet Pump Restrainer Set Screw Inspections

While performing as-found examinations in preparation for the jet pump #13 beam replacement, crack indications were identified in the vessel side restrainer set screw mounting block fillet welds and a gap was found between the set screw and mixer. Review of past history revealed that the jet pump #13 mixer had ejected during operation in 1980 as a result of a failed jet pump beam. Cracking of a similar nature on the shroud side set screw mounting block was identified at that time and the block and swing gate was replaced.

Examinations of the mixer, wedge assembly, and set screw area revealed no signs of damage or contact between the set screw and mixer. Additionally, the riser braces associated with this jet pump were examined and showed no signs of degradation. Also, the set screw mounting block fillet welds for jet pumps #11 through #20 ("B" Loop) were examined with no additional problems noted.

Based on the above, this condition is believed to be a pre-existing condition associated with the jet pump mixer ejection of 1980.

An evaluation of the acceptability of continued operation with this condition was performed by GE Nuclear Energy (reference GENE Report No. GENE-B13-01869-051-1, dated May 1997). This evaluation consisted of performing analysis of the jet pump with one unsupported mixer and subjecting it to normal, upset and faulted loads. The resulting stresses were combined and compared to the allowable values for each load combination. Based upon the results of this analysis it was concluded that structural integrity of the jet pump is assured and that continued operation of jet pump #13 with an unsupported mixer does not impact safe operation of the plant.

Jet Pump Riser Weld Inspections

A visual examination of the jet pump riser welds was conducted utilizing underwater video cameras in accordance with DTS 0200-02 and the recommendations contained in GE SIL No. 605. The examination

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Section II Scope of Inspection

Summary of Vessel Interior Examinations Attachment A

consisted of enhanced visual examination of all accessible areas of the thermal sleeve to elbow welds, elbow to riser welds, and riser to transition piece welds on all ten jet pump risers.

No adverse conditions were noted during the course of these examinations.

Shroud Head Bolt Ultrasonic Examinations

An ultrasonic examination of all 48 shroud head bolts was conducted in accordance with NDT-C-49. This examination identified a crack indication in 1 previously unflawed bolt and reconfirmed the crack indications in eleven previously flawed bolts. Additionally, crack indications were not reconfirmed in four bolts that had been called out as containing flaws during previous examinations, and the bolts were declared sound. None of the crack indications observed were through wall, as evidenced by the presence of a back signal from the end of the bolt. Per previous analysis (Dresden Engineering DOC ID# 4866006, dated 2-23-96), only 12 bolts, evenly spaced, are required to withstand all operating and design basis loading conditions, provided that certain spacing requirements are met. Based upon this analysis, and the as-found distribution of flawed shroud head bolts, no replacements or redistribution of existing bolts was required due to the flaws identified.

However, during reassembly of the shroud head, the keepers associated with two additional bolts were identified as being in the retracted position, and efforts to re-engage them were unsuccessful. Per the engineering analysis discussed previously (DOC ID# 4866006), bolts with retracted keepers are considered to be non functional, since it is possible that they could disengage from their associated lug set during operation. When the location of the two non functional bolts was combined with the location of the flawed bolts, the separation criteria required by the existing analysis was not met.

An evaluation of the acceptability of continued operation with the existing configuration of flawed and non functional shroud head bolts was performed by GE Nuclear Energy (reference GENE Report No. GENE-B13-01869-068, dated June 1997). This evaluation consisted of performing analysis of the existing bolt pattern and subjecting it to normal, upset and faulted loads. The resulting stresses on the shroud head bolts and their associated lugs were then evaluated. Based upon the results of this analysis it was concluded that the existing configuration of shroud head bolts is adequate to withstand all operating and design basis loading conditions, and that structural integrity of the remaining unflawed shroud head bolts is not compromised. As such, continued operation with the existing configuration of flawed and non functional shroud head bolts does not impact safe operation of the plant.

See Figure 8 for the "as-found" / "as-left" distribution of flawed and non functional shroud head bolts.

Lower Plenum Inspections

During the bottom head drain line unplugging project, access to the lower plenum was gained through the removal of two control rod guide tubes at the center of the vessel. A visual examination of the components made accessible through removal of the control rod guide tubes was conducted utilizing underwater video cameras in accordance with DTS 0200-02. The specific components examined included accessible portions of the following components:

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Section II Scope of Inspection

Summary of Vessel Interior Examinations Attachment A

- 2 incore housing to vessel bottom head welds
- 2 incore guide tube to housing welds
- 2 incore guide tube stabilizers
- Core plate stiffener beam to core plate stitch welds in the area adjacent to one removed control rod guide tube
- Core plate stiffener rod to beam (or pipe sleeve) welds in the area adjacent to one removed control rod guide
- 2 CRD housing to CRD stub tube welds
- 2 CRD stub tube to vessel bottom head welds
- Vessel bottom head cladding adjacent to the bottom head drain

This was a "best effort" examination in very difficult to reach areas. No adverse conditions were noted during the course of these examinations.

Top Guide Inspections

A visual examination of the top guide was conducted utilizing underwater video cameras in accordance with DTS 0200-02 and the recommendations contained in BWRVIP Document BWRVIP-26, BWR Top Guide Inspection and Flaw Evaluation Guidelines. The specific components examined included all four alignment pin assemblies, along with approximately 24 inches of the top guide rim to lower ledge weld adjacent to the four alignment pin assemblies.

This was a "best effort" examination in very difficult to reach areas. However, where possible, examinations of weld heat affected zones were performed using enhanced visual techniques capable of discerning a 0.5 Mil fine wire placed against the examination surface. No adverse conditions were noted during the course of these examinations.

Steam Dryer Inspections

A visual examination of the steam dryer was conducted utilizing underwater video cameras in accordance with DTS 0200-02. The specific components examined included all 4 lifting eye assemblies, all 12 drain channels, tie bar assemblies, upper support ring, upper support ring to skirt weld, vertical skirt welds, guides, lower support ring to skirt weld, dryer bank assembly welds, and all 4 steam dryer hold down assemblies.

This examination identified cracking and/or failure of the lifting lug centering rings and gussets at three of the four lifting lug locations. These components have no structural function, rather, they were used to align the lifting lugs for initial installation (reference Dresden Design Engineering Document ID No. 5389574, dated 4-10-97).

All four centering rings and gussets were removed under Work Request 970041070, to eliminate the potential for loose parts.

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Section II Scope of Inspection

Summary of Vessel Interior Examinations Attachment A

Steam Separator Inspections

A visual examination of the steam separator was conducted utilizing underwater video cameras in accordance with DTS 0200-02. The specific components examined included all 4 lifting eye assemblies and attachment welds, peripheral standpipes and assembly welds, tie bars and attachment welds, and the shroud head flange area.

This examination identified a misalignment (bending) between the lifting lug eye and the rod of the lifting lug assembly at the 184.5° location. A detailed examination of the lifting eye attachment weld to the lifting lug rod revealed a small linear indication located at the toe of the attachment weld. The indication was not crack like in nature and was evaluated as a base metal anomaly. These conditions were evaluated by Dresden Design Engineering and found to be acceptable as is (reference Dresden Design Engineering Document ID No. 5405084, dated 5-6-97).

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Table 1 Dresden Unit 3 Core Shroud Examination Summary

Component	Area Inspected	Inspection Results
Shroud Head Flange Ring Segment Welds: V1 Through V4	Enhanced visual examination of ~ 6" to 12" length of ring material encompassing each weld. Inspected OD, ID and top of ring.	No Reportable Indications
Top Guide Support Ring Segment Welds: V8 Through V13	Enhanced visual examination of ~ 6" to 12" length of ring material encompassing each weld. Inspected OD and ID of ring.	No Reportable Indications in Area of Interest
Core Plate Support Ring Segment Welds: V20 Through V25	Enhanced visual examination of ~ 6" to 12" length of ring material encompassing each weld. Inspected OD of ring. Supplemental UT examination of V23 and V25	See Note 1
Vertical Welds V5 Through V7 (Between H1 & H2)	Ultrasonic examination of between 34% and 69% of the length of each weld. Enhanced visual examination of entire weld length from shroud OD on side of weld opposite of UT search unit.	No Reportable Indications
Vertical Welds: V14 Through V19 (Beltline Area)	Ultrasonic examination of between 40% and 95% of the length of each weld. Enhanced visual examination of entire weld length from shroud OD on side of weld opposite of UT search unit.	No Reportable Indications
Vertical Welds: V26 Through V28 (Between H6 and H7)	Ultrasonic examination of between 47% and 75% of the length of each weld. Enhanced visual examination of entire weld length from shroud OD on side of weld opposite of UT search unit.	No Reportable Indications
Jet Pump Support Plate to Shroud Support Ring Weld H8	Enhanced visual examination of ~ 12" of weld in area of repair hardware attachments at 4 locations: 20°, 110°, 200°, and 290° azimuths.	No Reportable Indications
Jet Pump Support Plate to RPV Weld H9	Enhanced visual examination of ~ 12" of weld in area of repair hardware attachments at 4 locations: 20°, 110°, 200°, and 290° azimuths.	No Reportable Indications

Note 1: Vertically oriented cracking was identified visually in the vicinity of the V23 and V25 ring segment welds. Supplemental UT sizing provided the following information:

- V23 2.8 inches in vertical length extending downward from the H5 circumferential weld. Maximum radial through wall depth was 0.50 inches at intersection with circumferential crack, with depths ranging between 0.25 inches and 0.40 inches elsewhere.
- V25 Exact vertical length could not be determined due to shallow depth and flaw orientation, however, the area of flaw length sized was 1.2 inches in vertical length extending downward from the H5 circumferential weld.

 Maximum radial through wall depth was 0.25 inches at intersection with circumferential crack, with depths ranging between 0.15 inches and 0.25 inches elsewhere.

Figure 1

Dresden Unit 3 Core Shroud Examination Roll Out

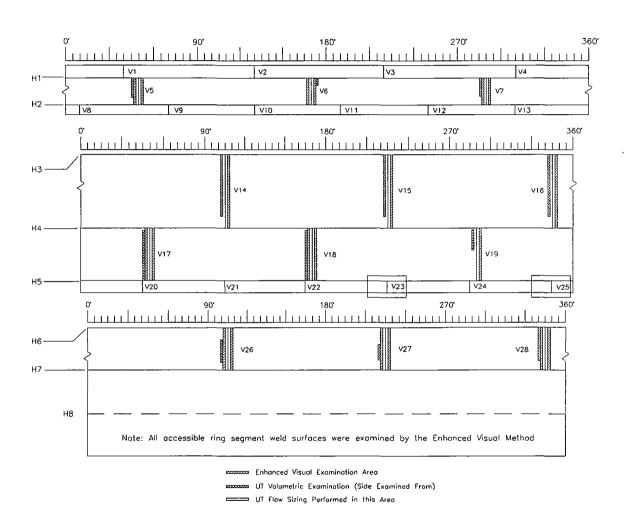
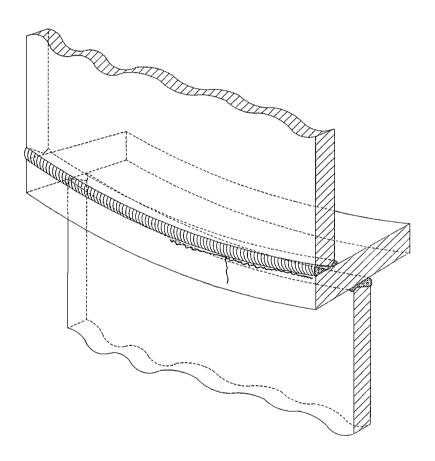


Figure 2

Core Plate Support Ring Indication (Typical)



CORE SPRAY WELD 2P4c (IIO DEG. DOWNCOMER)

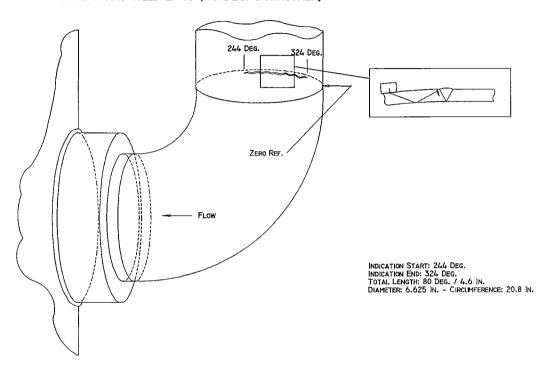


Figure 3
Flaw as located in the 2P4c Weld

CORE SPRAY WELD 4P4c (290 DEG. DOWNCOMER)

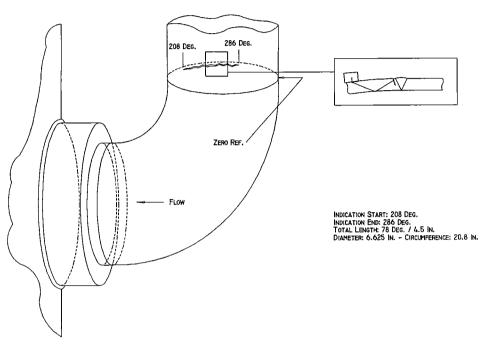


Figure 4
Flaw as located in the 4P4c Weld

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

CORE SPRAY WELD IP8A (80 DEG. DOWNCOMER)

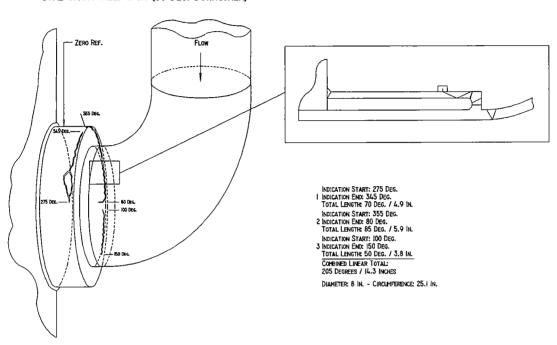


Figure 5
Flaw as located in the 1P8a Weld

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CORE SPRAY WELD 2P8A (IIO DEG. DOWNCOMER)

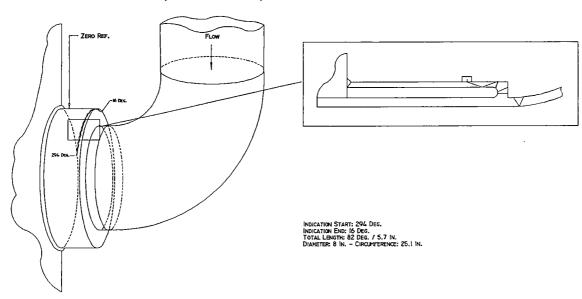


Figure 6
Flaw as located in the 2P8a Weld

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Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

CORE SPRAY WELD 3P8A (260 DEG. DOWNCOMER)

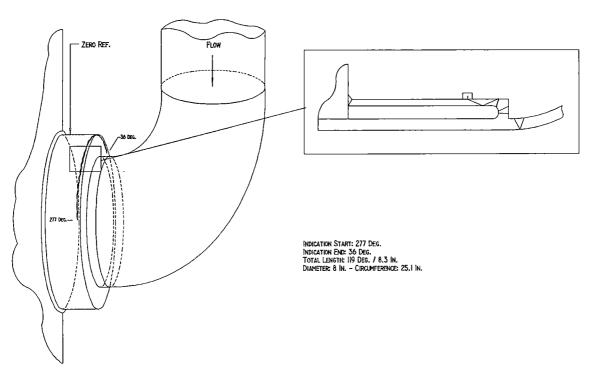
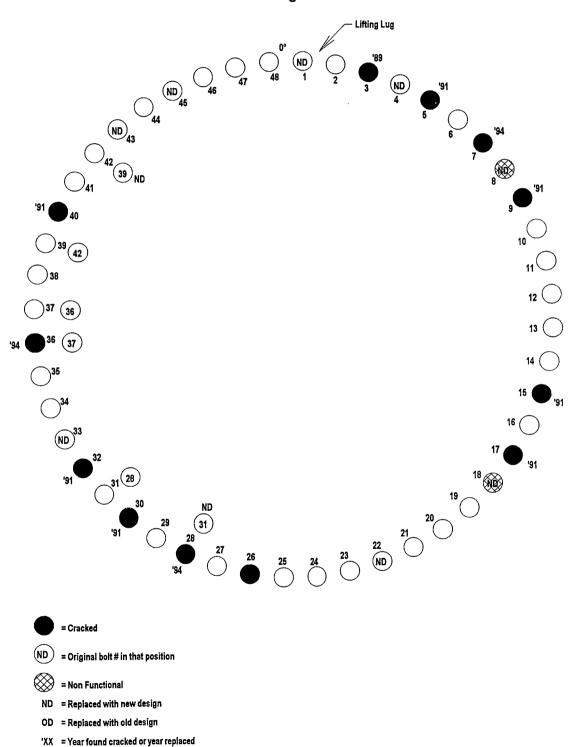


Figure 7
Flaw as located in the 3P8a Weld

Figure 8

D3R14 "As-Found" / "As-Left" Arrangement of Unit 3 Shroud Head Bolts



Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

Section III Abstract Of Results, Evaluations, And Corrective Actions

The findings of the examinations and the corrective measures taken demonstrate that all components examined are functional and in compliance with the Dresden Unit 3 Technical Specifications and Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition.

The following is a summary of corrective actions taken as a result of examination findings.

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

Section III Abstract Of Results, Evaluations, And Corrective Actions

ВА	B1.40	RPV	RPV UPP HD	3-THD-FLGD	THD-FLG_
	exceeding Table I Metallurgy inspec	IWB-3510-3 limits ted the indication	 A PIF was generate and determined it to be 	ed on 4/4/97. Systems be a lap. Indication was	o-flange weld revealed a linear indication Materials Analysis Department (SMAD) s completely removed with light flapping (< ' re no expansion was required.
ВА	B1.40	RPV	RPV UPP HD	3-THD-FLGE	THD-FLG
	exceeding Table I them to be laps.	IWB-3510-3 limits Indications were o	. A PIF was generate	ed on 4/4/97. SMAD M ith light flapping (< 1/16	p-flange weld revealed two linear indications letallurgy inspected the indications and dete s" metal removed) under WR 960036553.
ва	exceeding Table I them to be laps.	IWB-3510-3 limits Indications were o	 A PIF was generate completely removed w 	ed on 4/4/97. SMAD M ith light flapping (< 1/16	etallurgy inspected the indications and dete
ва	exceeding Table them to be laps. entire weld was example. B1.40 A magnetic particle exceeding Table I	IWB-3510-3 limits Indications were c xamined, therefore RPV le examination of t IWB-3510-3 limits were completely rer	c. A PIF was generate completely removed we no expansion was reached the "F" segment of the A PIF was generate moved with light flapp	ed on 4/4/97. SMAD M ith light flapping (< 1/16 equired. 3-THD-FLGF e upper reactor head-to ed on 4/4/97. SMAD M	letallurgy inspected the indications and dete 5" metal removed) under WR 960036553.

A visual inspection (VT-2) in conjunction with the system leakage test of pressure testing block RCPB revealed leakage at the following components: Control Rod Drive (CRD) flanges A-6, G-8, J-5, L-6, and M-10; union/threaded connections at valves 3-0262-25B, 3-0262-26B, 3-0263-2-13A, 3-0263-2-17A, 3-0263-2-17B, and 3-0299-112B; flange on Line 3-0304-2.5" (reactor head spray piping); bonnets of valves 3-0203-2D, 3-0299-116B, 3-0305-101 (B-7), 3-0305-102 (A-7), 3-0305-126 (E-3), and 3-0305-127 (L-2); and CRD directional control valves 3-0305-120 (D-4) and 3-0305-120 (M-2).

The bolting at CRD flange G-8 was replaced during this outage, therefore no further inspection was required. Bolting at CRD flanges A-6, J-5, L-6, and M-10 was removed, examined visually (VT-3/4), and reinstalled under Work Request 950070273.

The unions/threaded connections at valves 3-0262-25B, 3-0262-26B, 3-0262-2-17A, 3-0263-2-17B, and 3-0299-112B were tightened with the system under pressure and inspected visually (VT-2) under Work Request 950070273. The union at valve 3-0263-2-13A was seal welded inspected visually (VT-2) under Work Request 960081352.

Per Relief Request PR-18, the bolting at flange 3-0304-2.5" and valves 3-0203-2D, 3-0299-116B, and 3-0305-127 (L-2) was retorqued with the system under pressure and reinspected visually (VT-2). The leakage was stopped, therefore no further actions were required.

Bonnet bolting for valves 3-0305-101 (B-7), 3-0305-102 (A-7), and 3-0305-126 (E-3) was removed, inspected visually (VT-3/4), found acceptable, and reinstalled under Work Request 950070273.

Leakage at CRD directional contol valves 3-0305-120 (D-4) and 3-0305-120 (M-2) was repaired under Work Requests 970063659 and 970063658.

FΑ

F1.30

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450 March 1997 Inservice Inspection Unit No. 3; National Board No. N-139 Commercial Service Date: 11-16-71

Section III

Abstract Of Results, Evaluations, And Corrective Actions

Categori ISI and Au	Hem Augri gmented Examinatio		Line	Companent	Туре	
СН	C7.OT	N/A	TEST BLOCK	03A1	N/A	
	A visual inspection bonnet of Valve 3-		nction with the system le	eakage test of pressu	ure testing block 03A1	revealed leakage at the
		nad pitting locate	d at the threads of the b			oolt was identified as being Its and the two remaining

CCSWAD

1514D-8

A visual examination of CCSWAD support M-1200D-259 (support at discharge of 3A CCSW pump) revealed a discrepancy between the as-built configuration of the support and the drawing. The drawing shows a weephole which does not exist on the actual support. The remaining CCSW pump supports (3B, 3C and 3D) were examined and had the same drawing discrepancy. A PIF was initiated on 4/1/97 and Engineering Request 9701343 was initiated on 4/2/97. The discrepancies are not service induced, therefore no expansion was required.

M-1200D-259

CL 3 SUP

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

Section IV Abbreviations

Component Type

BPC Branch Pipe Connection
BPCS Branch Pipe Connection Saddle
CAP Pipe Cap
COND Condenser

 COND
 Conden

 CRO
 Cross

 EL
 Elbow

ELS Elbow Longitudinal Seam

F Fuel Head
FLG Flange
FLGBLT Flange Bolt

FLS Fitting Longitudinal Seam

HTEX Heat Exchanger

IWA Integral Welded Attachment

NIR Nozzle Inner Radius

NOZ Nozzle P Pipe

PG Penetration Guide
PLS Piping Longitudinal Seam

PMP Pump

PMPBLT Pump Bolting

RED Reducer

REDE Reducing Elbow

RPV Reactor Pressure Vessel

SDL Saddle
SE Safe-end
SHL Shell

SWC Socket Welded Coupling
SWCP Socket Welded Pipe Cap
SWE Socket Welded Elbow
SWF Socket Welded Flange

SWP Sweep-O-Let, Weld-O-Let, Etc.
SWR Socket Welded Reducer
SWT Socket Welded Tee

SWV Socket Welded Valve

TBSHT Tubesheet TEE Tee

VB Vacuum Breaker

VLV Valve VLVBLT Valve Bolting

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Section IV Abbreviations

Credit

06 NUREG 061988 Generic Letter 88-01

OR Other Special Exam to be explained in memo field

XI Section XI

Other

DR Discrepancy Record

PIF Performance Improvement Form

Exam

FT Functional Test
MT Magnetic Particle
PT Liquid Penetrant
UT Ultrasonic
VT-1 VT-1 visual
VT-2 VT-2 visual
VT-3/4 VT-3/4 visual

System

CCSWAD	Containment Cooling Service Water "A", Pump Discharge
CRD	Control Rod Drive
CRDH	Control Rod Drive, Hydraulic
CRDSD	Control Rod Drive, Scram Discharge Volume
CSAD	Core Spray "A", Pump Discharge
CSAS	Core Spray "A", Pump Suction
CSBD	Core Spray "B", Pump Discharge
CSBS	Core Spray "B", Pump Suction
DGSW	Diesel Generator Service Water
ECCS	Emergency Core Cooling System Ring Header
FW2	Feedwater, Class 2
FWA	Feedwater "A"
FWB	Feedwater "B"
HPCIPD	High Pressure Coolant Injection, Pump Discharge
HPCIPS	High Pressure Coolant Injection, Pump Suction

Dresden Nuclear Power Station 6500 N. Dresden Road, Morris, IL 60450

Section IV Abbreviations

HPCISS	High Pressure Coolant Injection, Steam Turbine Supply
HPCITE	High Pressure Coolant Injection, Turbine Exhaust
ISCOCR	Isolation Condenser, Condensate Return
ISCOSS	Isolation Condenser, Steam Supply
ISCOVP	Isolation Condenser and Vent Piping
JPIA	Jet Pump Instrumentation Loop "A"
JPIB	Jet Pump Instrumentation Loop "B"
LPCIAD	Low Pressure Coolant Injection "A", Pump Discharge
LPCIAS	Low Pressure Coolant Injection "A", Pump Suction
LPCIBD	Low Pressure Coolant Injection "B", Pump Discharge
LPCIBS	Low Pressure Coolant Injection "B", Pump Suction
LPCIHX	Low Pressure Coolant Injection Heat Exchengers
LPCISR	Low Pressure Coolant Injection Torus Spray Ring
LPCITR	Low Pressure Coolant Injection Test Return to Torus
LPCIX	Low Pressure Coolant Injection Crosstie
LVLA	Lower Vessel Level "A"
LVLB	Lower Vessel Level "B"
MSA	Main Steam "A"
MSB	Main Steam "B"
MSC	Main Steam "C"
MSD	Main Steam "D"
MSDN	Main Steam Drain
RHS	Reactor Head Spray
RHV	Reactor Head Vent
RPV	Reactor Pressure Vessel
RRAD	Reactor Recirculation Loop "A", Pump Discharge (U/2 includes the crosstie piping up to but not including weld 202-6B/L3)
RRAS	Reactor Recirculation Loop "A", Pump Suction
RRBD	Reactor Recirculation Loop "B", Pump Discharge (U/2 includes the crosstie piping up to but not including weld 202-6B/L3)
RRBS	Reactor Recirculation Loop "B", Pump Suction
RVBD	Reactor Vessel Bottom Drain
RWCU	Reactor Water Clean Up
SBLC	Standby Liquid Control
SDC	Shutdown Cooling
SRVDA	Safety Relief Valve Discharge "A"
SRVDB	Safety Relief Valve Discharge "B"
SRVDC	Safety Relief Valve Discharge "C"
SRVDD	Safety Relief Valve Discharge "D"
SRVDE	Safety Relief Valve Discharge "E"
UVLA	Upper Vessel Level "A"
UVLB	Upper Vessel Level "A"

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Section V

Examinations, Tests, Replacements, And Repairs Since The Preceding Summary Report

Several ASME Section XI repairs and replacements have taken place at Dresden Unit 3 since the previous summary report was issued. A review of the Dresden Station Section XI Repair Program Log was conducted in order to identify the various repairs and replacements.

Copies of the NIS-2 forms associated with all of the Section XI repairs and replacements conducted since the previous summary report have been included in this section. The NIS-2 forms provide an abstract of the repairs and replacements and outline the examinations and tests performed in conjunction with them.

A listing of NIS-2 forms is included in this section in order of repair/replacement plan number followed by the work request number.

Section V Examinations, Tests, Replacements, And Repairs Since The Preceding Summary Report

NIS-2 No.	Work Request
3-93-014	930054156
3-93-034	930051379
3-94-001	920052847
3-94-002	930054362
3-94-003	930054363
3-94-004	930054364
3-94-005	930054365
3-94-006	930054366
3-94-007	930054367
3-94-008	930054368
3-94-009	930054369
3-94-010	930054370
3-94-011	930054371
3-94-014	930054374
3-94-017	930054451
3-94-026	930054528
3-94-027	930054529
3-94-030	930054527
3-94-037	930054424
3-94-041	930054470
3-94-042	930054469
3-94-043	930054468.
3-94-046	940093367
3-94-047	940093368
3-94-048	940093385
3-94-049	940093348
3-94-052	920052857
3-94-053	920052858
3-94-055	920057892
3-94-056	920051524
3-94-057	920051521
3-94-058	910056669
3-94-061	910056672
3-94-065	910051255
3-94-066	920051827
3-94-067	920051828
3-94-069	940093535
3-94-070	940094760
3-94-071	930053406
3-94-072	930053701
3-94-073	930056992
3-94-076	930053997
3-94-094	920055929

Section V Examinations, Tests, Replacements, And Repairs Since The Preceding Summary Report

NIS-2 No.	Work Request
3-94-097	930054138
3-94-098	940095674
3-94-103	930053501
3-94-107	940096138
3-94-112	940093916
3-94-115	940096775
3-94-116	940096996
3-94-117	940097520
3-94-119	940097957
3-95-006	930053598
3-95-007	930053599
3-95-008	950065745
3-95-009	950060470
3-95-010	950061024
3-95-011	950060471
3-95-012	950061025
3-95-013	950060465
3-95-014	950060469
3-95-015	950060661
3-95-016	940095273
3-95-017	950065747
3-95-018	950069482
3-96-009	940096861
3-96-011	950063282
3-96-012	950063489
3-96-015	950046326
3-96-017	950047139
3-96-019	950097245
3-96-020	960049833
3-96-021	930053801
3-96-022	930053800
3-96-023	960030678
3-96-024	960030680
3-96-026	960057668
3-96-028	960030678
3-96-030	960049569
3-96-031	960049569
3-96-032	950063471
3-96-033	960030678
3-96-034	960081175
3-96-038	950063469
3-97-001	960011774
3-97-002	960118198

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Section V Examinations, Tests, Replacements, And Repairs Since The Preceding Summary Report

NIS-2 No.	Work Request
3-97-003	960118148
3-97-004	960011774
3-97-006	960096685
3-97-007	950063467
3-97-008	950063481
3-97-009	940096467
3-97-010	960116198
3-97-011	970017094
3-97-012	970017094
3-97-013	970013877
3-97-014	970031638
3-97-017	940096861
3-97-018	960036553
3-97-020	970044798
3-97-021	950063479
3-97-022	950063478
3-97-025	950061006
3-97-027	950060516
3-97-029	970048050
3-97-030	970052950
3-97-031	960001532
3-97-033	970052619
3-97-035	960032654
3-97-036	960032651
3-97-037	970057096
3-97-038	950070767
3-97-039	950065053

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

DAP 11-18
REVISION 04

1. Owner: Commonwealth Edison Comp One First National Plaza, Chi	Date: 4/15/94									
2. Plant: Dresden Nuclear Power Station (Name) R.R. #1, Morris IL., 60450 (Address) Unit: 3							. 1			
3. Work Performed By: COMMONWEALTH EDISON (Name) SAME (Address) WR. D20576 PRP 11971-014 Repair Organization P.O. No., Job No. etc.										
4. Identification of System: 6600 TEMA SARGENT+ LUNDY										
5. (a) Construction Code Sec. X-2380 19 — Edition, None Addenda, Code Cases None (b) Edition of Section XI used for Repair/Replacement 19 89 Edition, None Addenda, Code Cases None										
6. Identification of Components Repaired o	r Replaced and Replacement	Components			_					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair. Replaced or Replacement	Code Stamped Yes/No			
DIG COOLING WIR HT. EX	YOUNG RADIATOR CO	346544	_	3-8669A	1 -,-	REPLACED	No			
DIG COOLING WAR HT EX	YOUNG RADIATOR CO	346545	N/A	3-6669B	N/A	REPLACE D	No_			
					N/A	REPLACEMENT	No			
D/G COOLING WTR HT EX	YOUNG RADIATOR CO	Q25854	N/A	3-6669B	N/A	REPLACEMENT	No			
D				N N	<u> </u>	<u> </u>				
7. Description of work: REMOVED	EXISTING Hr. E	XCHS. MM	או ם	ISTALLED NEW						
8. Test Conducted: Hydrostatic () Proumatic () Nominal Operating Pressure \(\text{Not Applicable ()} \) Test Pressure \(\frac{22}{2} \) psig Test Temperature \(\frac{58}{2} \) *F										
9. Remarks: None.										
Certificate of Compliance We certify that the statements made in this report are correct and this Replacement Conforms to Section XI of the ASME Code (Repair or Replacement) Signed: Localizator -B 1996 (Owner or Owner's Designee) (Title) (Date)										
Certificate of Inspection										
I, the undersigned, holding a valid commu	prission issued by the National $GB (\forall) CO $ of	l Board of Boiler	and Pr	essure Vessel Inspectors and the having inspected the	he State	a or Province of	-			
described in this report on 18 and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair 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.										
Date: 1-8-966 Inspector: Mart Thinus Commissions: 16932 N/3 1742 N/58 (State or Province, National Board)										

DAP 11-18 REVISION 07

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

. Owner: ComEd Company	(Name) I Plaza, Chicago IL, 60690	(Address)			Date:	4-22-96	
Plant: Dresden Nucle	ear Power Station (N	Vame)				Sheet: 1	
6500_North Dre	esden Road, Morris IL., 604;	50(Address)	ı		Unit:	3
Work Performed By: _SAME	E AS ABOVE	(Name)		D1798	80 PLAN	3-93-034 unization P.O. No., Job	No etc
SAM	E AS ABOVE	(Addres	s)	K	tepair Oiga	MZZIOH P.O. NO., JOU	No. etc.
Identification of System:3	000 MAIN STEAM						
(a) Construction Code	USAS B31.1.0 , 19 used for Repair/Replacemen Repaired or Replaced and Re	nt 19 <u>89</u> Ed	lition,	Addenda, Code Addenda, C	: Cases Code Cases	NONE NONE	
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
2" GLOBE VALVE	CRANE	N/A	N/A	MODEL 7852-U	N/A	REPLACED	NO
2" SEAMLESS PIPE	UNKNOWN	N/A	N/A	NONE	N/A	REPLACED	NO
1½" SOCKET WELD ELBOWS	UNKNOWN	N/A	N/A	NONE	N/A	REPLACED	NO
1½" SEAMLESS PIPE	UNKNOWN	N/A	N/A	NONE	N/A	REPLACED	NO
2" DOUBLE DISC GATE VALVE	ANCHOR DARLING	ET852-5-1	N/A	SI #812D48	N/A	REPLACEMENT	NO
Test Conducted: Hydrostatic Remarks: None.	Test Pressure1	1040 psig	_	re [X] Not Applicable Temperature			
We certify that the statements Signed: Bundan (Owner or Own	made in this report are correctly ISI ner's Designee)	ect and this REP	LACEM	mpliance MENT Conforms to Section 4-23 (Date) 1996		ne ASME Code.	
		Certifica	ate of In	spection			
I, the undersigned, holding a vemployed by The Hartford Steedescribed in this report on	am and Boiler Insurance and	Inspection Co. e to the best of r	of Hartfo my know	ord, Connectictu having in vledge and belief, this rep	inspected the pair or repl	he REPLACEMENT	tructed in

ATTACHMENT 1

NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

DAP 11-18 REVISION 05

(State or Province, National Board)

Plane: Presiden Nuclear Power Station	Plant: Dresden Nuclear Fover Staton. 6500 N. Dresden Road. Morris II. 69450. Work Performed By: BECHTEL CONSTRUCTORS (Name) GATHERSBURG. MARYLAND (Address) GATHERSBURG. MARYLAND (Address) General State of Organization P.O. No., Job No. et (Address) General State of Components (Septime Components Components Components Components (Ps. B) Edition, NO. Addenda, Code Cases NO. Displaint of Section XI used for Replair/Replacement 19.89 Edition, NO. Addenda, Code Cases NO. Displaint of Section XI used for Replair/Replacement 19.89 Edition, NO. Addenda, Code Cases NO. Name of Components Repaired or Replacement Components Name of Name of Manufacturer Mfrs. Nat Other Yr Repair, Repaired or Replaced and Replacement Components Name of Component No. Brd ID Bit Replaced or Replacement (No. No. No. No. No. No. No. No. No. No.		Chicago IL. 60690				Date.	4-26-94	
Unit 3 36 20 1 1 1 3 36 20 1 1 3 36 20 1 1 3 36 20 1 1 1 1 1 1 1 1 1	SEGON A, Dreschen Road, Morris II. GOMSO Unit: 3 94 8-14-6 Work Performed By: BECHTEL CONSTRUCTORS (Name) GAITHERSEURG, MARYLAND (Address) Identification of System: 1200 ISOLATION CONDENSER (a) Construction Code USAS B31.1.0 19.67. Edition, NO. Addenda, Code Cases NO. (b) Edition of Section XI used for Repair/Replacement 19.59. Edition, NO. Addenda, Code Cases NO. (b) Edition of Section XI used for Repair/Replacement 19.59. Edition, NO. Addenda, Code Cases NO. (c) Edition of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Serial No. Bid D Br Replaced or Replaced or Replacement Ye. (c) Repair Repair Component No. No. No. No. LINE 3-1302-14"-A N/A REPLACED NO. (d) A358 Grade 304 FIFE UNKNOWN N/A N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO. (d) A358 Grade 304 TYPE L YOUNGSTOWN HT# 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO. (e) Exempletion of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe affect completion of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe affect completion of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe affect completion of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe affect completion of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe affect completion of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe affect completion of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe affect	Dendon Muclear Power S					Sheet	:1_ Of1_	
Work Performed By: BECHTEL CONSTRUCTORS (Name) D09555920032847 PIAN 294-001 Repair Organization P.O. No., Job No. e (Address) Identification of System: 1300_ISOLATION CONDENSER (a) Construction Code USAS BIL 10	More Performed By: BECHTEL CONSTRUCTORS							Unit: 3	_
Repair Organization P.O. No., Job No. e GAITHERSBURG_MARYLAND (Address) Identification of System: 1200_ISOLATION CONDENSER (a) Construction Code _USAS_B31_1.0	Repair Organization P.O. No., Job No. et GAITHERSBURG. MARYLAND (Address) Repair Organization P.O. No., Job No. et Identification of System:1300_ISOLATION CONDENSER (a) Construction CodeUSAS_B31_1_0	Worls Darformed Ry: RECHTEI	CONSTRUCTORS		Nam	~, 17 00	0555/0200		3-19 -1 5
Identification of System: 1300 ISOLATION CONDENSER	dendification of System: 1300 ISOLATION CONDENSER (a) Construction Code USAS B31.1.0	•				R			No. etc.
(a) Construction Code USAS B31.1.0	(a) Construction Code _USAS_B31_1.0	_GAITHERS	BURG, MARYLAND		_ (Addre	ess)			
(b) Edition of Section XI used for Repair/Replacement 19.89. Edition, MO. Addenda, Code Cases NO. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Mifs. Nat	Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe after Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 psig Test Temperature 200 F Test Pressure 1040 psig Test Temperature 200 F Tent Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 psig Test Temperature 200 F Tent Pressure 1040 psig Test Temperature 2040 psig Test Temp	Identification of System: 1300	ISOLATION CONDENSER						
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Name of Component Serial No. Nat Serial No. Nat Ditter Tyr Repair, Replaced or Serial No.	Name of Component Serial No. Brd D Blt Replaced or Star Replacement Ye Repair, Component Serial No. Brd D Blt Replaced or Replacement Ye Replacement Ye With A 358 Grade 304 PIPE UNKNOWN N/A N/A LINE 3-1302-14"-A N/A REPLACED NO 14" A 358 Grade 304 TYPE L YOUNGSTOWN WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTW 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING & ENGINEERING HTM 2A804 N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE WELDING AND PIPE	(b) Edition of Section XI used for	r Repair/Replacement 19 <u>89</u> I	Edition, <u>NO</u>	Addenda				
Component Serial No. Brd ID Blt Replaced or Sa Replacement Ye	Component Serial No. Brd No Brd Replaced or Replacement Yet A358 Grade 304 PIPE UNIXNOWN N/A N/A LINE 3-1302-14*-A N/A REPLACEMENT NO REPLACEMENT NO PIPE Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe a after completion of weld intay. Test Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure _1040 _ psig	Identification of Components Rep	paired or Replaced and Replace	ment Componen	its				
Component Serial No. Brd ID Blt Replaced or Sa Replacement Ye	Component Serial No. Brd No Brd Replaced or Replacement Yet A358 Grade 304 PIPE UNIXNOWN N/A N/A LINE 3-1302-14*-A N/A REPLACEMENT NO REPLACEMENT NO PIPE Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe a after completion of weld intay. Test Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure _1040 _ psig				T .		T	1	T _
No Replacement Ye 14" A358 Grade 304 PIPE UNKNOWN N/A N/A LINE 3-1302-14"-A N/A REPLACED NO 14" A358 Grade 304 TYPE L YOUNGSTOWN WELDING & ENGINEERING N/A LINE 3-1302-14"-A 1993 REPLACEMENT NO PIPE Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe after completion of weld inlay. Test Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure1040 psig Test Temperature200 "F Remarks: Installed corrosion resistant cladding in piping located inside of flued head per Modification M12-3-91-002. We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Description of Owner's Designee (Title) (Date) Certificate of Compliance (Owner or Owner's Designee) (Title) (Date) Certificate of Inspection (In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, employed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this employed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	No Replacement Yes A		Name of Manufacturer					• •	Cod
14" A358 Grade 304 TYPE L YOUNGSTOWN WELDING & ENGINEERING Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe after completion of weld inlay. Test Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure1040psig	A" A338 Grade 304 TYPE L YOUNGSTOWN WELDING & ENGINEERING Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe after completion of weld inlay. Pest Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure	Component		OCHIAL 140.		ш	Di.		Yes/
A" A358 Grade 304 TYPE L YOUNGSTOWN WELDING & ENGINEERING Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe after completion of weld inlay. Test Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure	A" A338 Grade 304 TYPE L YOUNGSTOWN WELDING & ENGINEERING Description of work: Cut out existing pipe spool piece in order to install corrosion resistant cladding at inaccessible circumferential welds. Install new pipe after completion of weld inlay. Pest Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure	14" A358 Grade 304 PIPE	UNKNOWN	N/A	N/A	LINE 3-1302-14"-A	N/A	REPLACED	NO
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Test Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 psig Test Temperature 200 °F Remarks: Installed corrosion resistant cladding in piping located inside of flued head per Modification M12-3-91-002. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Description (Owner or Owner's Designee) ISI Coordinator 1945 (Date) Certificate of Inspection The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Test Pressure1040 psig			 			┼		┼
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Test Pressure1040 psig	Test Pressure 1040 psig Test Temperature 200 °F Remarks: Installed corrosion resistant cladding in piping located inside of flued head per Modification M12-3-91-002. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Description (Owner or Owner's Designee) ISI Coordinator 1945 (Date) Certificate of Inspection Certificate of Inspection Certificate of Inspection Section XI of the ASME Code. But a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on 19-24 (1992) (19			10 msian corresi	OH Testsu	ant clauding at maccessic	e cheum	erennar werds. Instan	new pip
Test Pressure 1040 psig Test Temperature 200 °F Remarks: Installed corrosion resistant cladding in piping located inside of flued head per Modification M12-3-91-002. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Discourage Signed: (Title) (Date) Certificate of Inspection The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Test Pressure 1040 psig Test Temperature 200 °F Remarks: Installed corrosion resistant cladding in piping located inside of flued head per Modification M12-3-91-002. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Description (Owner or Owner's Designee) ISI Coordinator 1945 (Date) Certificate of Inspection Certificate of Inspection Certificate of Inspection Section XI of the ASME Code. But a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on 19-24 (1992) (19	Provident III	descriptio (V.) Descriptio (1 Maminal O		Decame Cl. Not Appl	isable []		_
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Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: B. 95 (Owner or Owner's Designee) (Title) (Date) Certificate of Inspection The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Gigned: By Alan A. Cusey ISI Coordinator By 19 1955 (Owner or Owner's Designee) (Title) (Date) Certificate of Inspection The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on 1 - 2 1 19 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rest Conducted: Hyd	t Processes 1040 peig	Test Temperatur	re <u>200</u>	°F			
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We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Below Governor Owner's Designee (Title) (Date) Certificate of Inspection The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Certificate of Inspection Characteristicate of Inspection Characteristicate of Inspection Certificate of Inspection Connecticut having inspected the REPLACEMENT described in this report and state to the best of my knowledge and belief, this repair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or replacement described in this report.	Tes		d inside of flued	head pe	r Modification M12-3-91	-002		-
We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Below Governor Owner's Designee (Title) (Date) Certificate of Inspection The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Certificate of Inspection Characteristicate of Inspection Characteristicate of Inspection Certificate of Inspection Connecticut having inspected the REPLACEMENT described in this report and state to the best of my knowledge and belief, this repair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or replacement described in this report.	Tes		d inside of flued	head pe	r Modification M12-3-91	-002		
(Owner or Owner's Designee) (Title) (Date) Certificate of Inspection the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Certificate of Inspection Certificate of Inspection the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on 19 Amand state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with ection XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the epair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or	Tes							
(Owner or Owner's Designee) (Title) (Date) Certificate of Inspection the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Certificate of Inspection Certificate of Inspection the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on 19 Amand state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with ection XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the epair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or	Tes Remarks: <u>Installed corrosion resi</u>	istant cladding in piping located	Certificate of	Complia	unce		ME Code.	
Certificate of Inspection the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, employed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	Certificate of Inspection the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on 19-14, 19-44 and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with ection XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the epair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or	Tes Remarks: <u>Installed corrosion resions</u> We certify that the statements made the s	de in this report are correct and	Certificate of d this REPLACI	Complia EMENT	Conforms to Section XI		ME Code.	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on $0.00000000000000000000000000000000000$	Tes Remarks: Installed corrosion resi We certify that the statements made and the statements made an	de in this report are correct and	Certificate of d this REPLACI	Complia EMENT	Conforms to Section XI		ME Code.	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on $0.00000000000000000000000000000000000$	Tes Remarks: Installed corrosion resi We certify that the statements made and the statements made an	de in this report are correct and	Certificate of d this REPLACI	Complia EMENT	Conforms to Section XI		ME Code.	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, employed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois, imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on $0.00000000000000000000000000000000000$	Tes Remarks: Installed corrosion resi We certify that the statements made of the statements of the statement of the statements of the statements of the statement of the state	de in this report are correct and	Certificate of d this REPLACI	Complia EMENT	Conforms to Section XI		ME Code.	
imployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this	mployed by The Hartford Steam Boiler Insurance and Inspection Co. of Hartford, Connecticut having inspected the REPLACEMENT described in this eport on $5 - 2$, 19 and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with ection XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the epair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or	Tes Remarks: Installed corrosion resi We certify that the statements made of the statements of the statement of the statements of the statements of the statement of the state	de in this report are correct and	Certificate of of this REPLACI	Complia EMENT 19,	ince Conforms to Section XI 19 <i>45</i>		ME Code.	
report on $3-2/1$, 19 $-2/1$ and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with	eport on $0 - \frac{1}{2} - \frac{1}{2}$, 19 $\frac{1}{2}$ and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with ection XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the epair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or	Tes Remarks: Installed corrosion resi We certify that the statements made of the statements of the statement of the statements of the statements of the statement of the state	de in this report are correct and	Certificate of of this REPLACI	Complia EMENT 19,	ince Conforms to Section XI 19 <i>45</i>		ME Code.	
	epair or replacement described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or	Tes Remarks: Installed corrosion resi We certify that the statements made (Owner or Owner's the corrosion resion of the corrosion of the corro	de in this report are correct and ISI Coording Designee) (Title)	Certificate of d this REPLACI nator 8-/ (D Certificate of tional Board of I	Complia EMENT () () () () () () () () () () () () ()	conforms to Section XI 19.45 ion d Pressure Vessel Inspect	of the AS	e State or Province of I	
Section XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the		Tes Remarks: Installed corrosion resi We certify that the statements made (Owner or Owner's the undersigned, holding a valid amployed by The Hartford Steam	de in this report are correct and Sely ISI Coording Designee) (Title)	Certificate of d this REPLACI nator	Complia EMENT () () () () () () () () () () () () () (ince Conforms to Section XI 1945 ion d Pressure Vessel Inspected the section of	of the AS	e State or Province of I	ı this
		Tes Remarks: Installed corrosion resi We certify that the statements made (Owner or Owner's Owner or Owner's 19 19 19 19 19 19 19 19 19 19 19 19 19	de in this report are correct and Selection (Title) ISI Coording Designee) (Title) I commission issued by the Na Boiler Insurance and Inspection and state to the best of my knows signing this certificate neither	Certificate of d this REPLACI nator B-/ (D Certificate of tional Board of It in Co. of Hartfor owledge and belier the inspector in the control of the contr	Complia EMENT (9) (a) (a) (b) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	ion d Pressure Vessel Inspected the replacement has mployer makes any warra	ors and the REPLA been consunty, expres	e State or Province of I ACEMENT described in tructed in accordance w essed or implied, concer	n this ith ning the

1. Owner: Commonwealth Edison Compa	iny (Name)			Date	2	-9-94	
One First National Plaza, Chic	ago IL, 60690 (Address)			Shee	t: _1_ (of <u>/</u>	
2. Plant: Dresden Nuclear Power S R.R. #1, Morris IL., 604				Unit	: 3		
		Vame)		D20650		 3-94-002,)
	OmE (1)	•			ion P.O.	No., Job No. etc.	
4. Identification of System: $h-3$ CO.		·	• 30	7			
					Non	۲	
5. (a) Construction Code <u>ASME</u>		-			NON		
(b) Edition of Section XI used for R			<u></u> ,	Addenda, Code Cases	NON	<u> </u>	
6. Identification of Components Repaired of	r Replaced and Replacement	Components					
Name of	Name of Manufacturer	Mfrs.	Nat	Other	Yr	Repair,	Code
Component		Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
CONTROL ROB BRIVE	CLICON GIGARIO	6416	N/A	SU 641C	67	REPLACED	YES
CONTROL ROD DRIVE	1	1 ,	NA	SN A9495	75	REPLACEMENT	YES
C.R.D. FLANGE BOLTS	1	ì	NA	1-8 x 51/2"	Unk.	REPLACED	No
C.R.D. FLANGE BOLTS			1.		Unk		NO
C.K. O. TEMOUZ SEELS	OLITEKAN PEECIALE	M1 9 91)	177	7 3 7 3 7 3		VILITICATION	- 100
		 		 	_		
7. Description of work: REMOUE ROD DRIVE FLANCE 8. Test Conducted: Hydrostatic XI Pr 104 Test Pressure	BOLTS.	erating Pressure	<u> </u>	Not Applicable []		CHCE CO.	
9. Remarks: <u>REMOVED AND</u> AND REPLACED 8 EA	REPLACED C	ONTROL	RO	LANGE BOLF	OM	POSITION OF	100 5-
UT. INSPECTED BOLTS.	- CONTROL XV						
We certify that the statements made in the Signed: 13111111 Signed: (Owner or Owner's Design	nis report are correct and this	(Repair o	ment	<u>10,1994</u>	n XI of t	ne ASME Code.	
	Ce	ertificate of Ins	ection				
I, the undersigned, holding a valid comp LL/NO/5, employed by	mission issued by the Nation	al Board of Boil	er and F	ressure Vessel Inspectors ar	nd the Sta	te or Province of	
described in this report on 3-16				having inspected the	- AD ·	_ Po 1	
described in this report on/ of accordance with Section XI of the ASM; implied, concerning the repair or replace for any personal injury or property dam.	E Code. By signing this cer conent described in this repo	nificate neither t nt. Furthermore	he inspe , neithe	ctor nor his employer make r the inspector nor his emplo	s any was	ranty, expressed	or
	Clavine	-G		mmissions: 16932 //	NBT	7742 8/	5B
					rovince.	National Board)	

RIN/QRI M94 - 00 (1)9

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div.

	1.	Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GENF & CM)
		2117 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of NPT Certificate Holder)
		(Name and Address of AFT Certificate Addder)
		(b) Manufactured for : <u>Dresden Morris, Illinios 60450</u> (Name and Address of N Certificate Holder for completed nuclear component)
	2.	Identification - Certificate Holder's S/N of Part A9495 Nat'l Bd. No. N/A
		(a) Constructed According to Drawing No: 7685534G005 Nev 9 Dwg. Prepared by D. L. Peterson
		(b) Description of Part Inspected: <u>Control Rod Drive</u> , <u>Model # 7RDB144FG001</u>
		(c) Applicable ASME Code: Section III . Edition 1974, Addenda Date W75, Case No. N207 1361-2 Class 1
	3.	REHARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
		(Brief description of service for which component was designed)
		·
		Sheet 1 of 2
	i t	Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 02/11/94 Signed GE-NEBG-NF&CM-QA (NPT Certificate Holder) (NPT Certificate Holder) Scott Representive) Retrificate of Authorization Expires: 6/16/96 Certification of Authorization No.: NPT N-1151
		Certification of Design for Appurtenance
	(Design information on file at <u>GE Company</u> . San Jose, California
	:	Stress analysis report on file at <u>GE Company</u> , San Jose, California
		DC22A6253 Rev. 1 Design specification certified by <u>Bjorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
		DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
Γ		Certification of Shop Inspection
	S i a a B	the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on April 1994, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer
	8 c	by signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or <code>impl</code>

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

Inspector's Signature

connected with this inspection.

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

Owner	: Commonwealth Edison Compar	ny (Name)			Date:	2	-9-94	
	One First National Plaza, Chica	Igo IL, 60690 (Address)			Sheet:	1 0	r <u>_/</u>	
2. Plant:	Dresden Nuclear Power St R.R. #1, Morris IL., 604				Unit:	3		
7 111	Performed By:QW		sma)				_ (3-94-	003)
. WOTE		mE (A			Repair Organization			
	fication of System: Δ -3 Con			• 200				
	Construction Code ASME	•			_	Non	,	
5. (a) -								
(ь)	Edition of Section XI used for Re	epair/Replacement 19 <u>0 /</u>	Edition,/Y	A	ddenda, Code Cases	<u> /v </u>	1C	
6. Identi	fication of Components Repaired or	r Replaced and Replacement (Components					
	Name of	Name of Manufacturer	Mírs.	Nat	Other	Yr	Repair,	Code
	Component		Serial No.	Brd No	ID	Bit	Replaced or Replacement	Stamped Yes/No
100	UTROL ROB BRIVE	CENTERN ELECTOR	6539	NA	SN 6539	74	REPLACED	YES
16	STROL ROD DRIVE		1		SN A9538	100	REPLACEMENT	i 11
н	R. D. FLANLE BOLTS	1	L .	N/A			REPLACED	NO
	P.D. FLANGE BOLTS			1 - 1 /	1-8 x 51/2"	_	REPLACEMENT	
	, , , , , , , , , , , , , , , , , , , ,	1	1	1777				
			 			1		
7 Dave	ription of work: REMOUE	DUL DEPLONE	CONTRA	, 00	A DREVE AND	RE	PLACE CO	201801
ROL	DRIVE FLANGE	BOLTS.	201017,0		15 17.1202 17.1-2			
8. Test	Conducted: Hydrostatic [7] P	ocumatic [] Nominal Op	erating Pressure	={]	Not Applicable []			
	Test Pressure 10	40 paig Test Tempe	nure 200	•F				
9. Rem	AREPLACED 8 E	REPLACED C	ONTROL	RO	O DRIVE FR	?om	POSITI	-on P-9
AN	NREPLACED 8 EX	A. CONTROL RO	A BREU	1 <u>6</u> F	LANGE BOLF	<u>. W.</u>	TH NEW	OR
		Ca	ertificate of Con	nnliance				
We	certify that the statements made in		is KEPLACE	674 az	Conforms to Section	n XI of t	the ASME Code.	
Sign	ed: Brendan J. Co	sly ISI Coo	(Repair of	or Repla	19 94			
H	(Owner or Owger's Des	tignee) (Ti	ide)	(D	late)			
		C	Certificate of In	spection				
I, th	ne undersigned, holding a valid con	nynission issued by the Natio	nal Board of Bo	iler and	Pressure Vessei Inspectors a	and the Si	tate or Province o	of
-				-	having inspected th	Ren	Bir Or Penlacemen	
des	cribed in this report on $3/9-$, 19 <u></u>	best of my know	wiedge a	nd belief, this repair or replacement	ecement !	has been construc	sted in
imap	lied, concerning the repair or repla	scement described in this rep	ort. Furthermo	re, neith	er the inspector nor his emp			
for	any personal injury or property day		rising from or c			7	0771/7 111	/ ->
Dat	inspector:	Claimey		c	Commissions: 1293		1/142N1	215

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPORTENANCES. As required by the Provision of the ASME Gode Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GENF & CM)

	(Name and Address of NPT Certificate Holder)
	(b) Manufactured for : Dresden Morris, Illinios 60450
	(Name and Address of N Certificate Holder for completed nuclear component)
2	. Identification - Certificate Holder's S/N of Part A9533 Nat'l Bd. No. N/A
	(a) Constructed According to Drawing No: <u>768E534G0D5 Rev 9</u> Dwg. Prepared by <u>D. L. Peterson</u>
	(b) Description of Part Inspected: Control Rod Drive , Model # 7RDB144FG001
	(c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W'75 , Case No. N207 1361-2 Class 1
3.	REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)
	Sheet 1 of 2
	We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
	Date: 02/11/94 Signed GE - NEBG - NF & CM - QA By SC OF Representive)
	Certificate of Authorization Expires: 6/16/96 Certification of Authorization No. : NPT N - 1151
	Certification of Design for Appurtenance
	Design information on file at <u>GE Company</u> , San Jose, California
	Stress analysis report on file at <u>GE Company</u> , San Jose, California
I	DC22A6253 Rev. 1 Design specification certified by <u>Bjorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
	DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
	Certification of Shop Inspection
	I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 1//2, 1993, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
	Date Justice NC 1231. Ohio. WC 3686 PA National Board, State, Province And No.
	nera. A THEMSELL 2 STRUSTATA WELFRUST BREEF, STREET VIG NO.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(07/90)

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURISHED AS required by the Provision of the ASME Code Rules, Section III, Div. I

,	1. Hanufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
1	2117 Castle Hayne Road, Wilmington, North Carolina 28401
	(Name and Address of NPT Certificate Holder)
	(b) Manufactured for : <u>Dresden</u> <u>Morris, Illinios 60450</u>
	(Name and Address of N Certificate Holder for completed nuclear component)
2	2. Identification - Certificate Holder's S/N of Part A9502 Nat'l Bd. No. N/A
	(a) Constructed According to Drawing No: <u>768E534G005 Rev 9</u> Dwg. Prepared by <u>D. L. Peterson</u>
	(b) Description of Part Inspected: <u>Control Rod Drive, Model # 7RDB144FG001</u>
	(c) Applicable ASME Code: Section III , Edition <u>1974</u> , Addenda Date <u>W75</u> , Case No. <u>N207 1361-2</u> Class <u>1</u>
3	REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
	(Brief description of service for which component was designed)
	Sheet 1 of 2
	We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code- conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
	Date: 02/11/94 Signed <u>GE - NEBG - NF & CM - QA</u> By
	(NPT Certificate Holder) (SC (A Representive)
	Certificate of Authorization Expires: 6/16/96 Certification of Authorization No. : NPTN - 1151
_	Certification of Design for Appurtenance
	Design information on file atGE Company . San Jose . California
	Stress analysis report on file at <u>GE Company, San Jose, California</u>
	DC22A6253 Rev. 1 Design specification certified by <u>Biorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
	DC2ZA6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
	Certification of Shop Inspection
	I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the
	State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on
	and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in
	accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied.
	concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer
	shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
	2/11 1994 Jum P E man NC 1231, Ohio, WC 3686 PA
	Date Inspector's Signature National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

(97/90)

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

1. Owner: Commonwealth Edison Comp	· · · ·	٠.		Date:	7	15-94	
One First National Plaza, Chi	icago IL, 60690 (Address)	1		Sheet	: <u>1</u>	Of <u>/</u>	
2. Plant: Dresden Nuclear Power R.R. #1, Morris IL., 60				Unit:	3	<u> </u>	
3. Work Performed By:ONncr		Name)		DZ0653		(3-94-00	<u>)</u>
Same	(A	Address)		Repair Organizati	on P.O	. No., Job No. etc	
4. Identification of System: 0300 C	ontrol Rod Drive						
5. (a) Construction Code ASME	Section III 19 65	_ Edition,N	ю <u>.</u>	Addenda, Code Cases	Non	<u> </u>	
(b) Edition of Section XI used for R	Repair/Replacement 19 <u>89</u>	_Edition,	NO A	Addenda, Code Cases	Na	e	
6. Identification of Components Repaired of	r Replaced and Replacement	Components					<u> </u>
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Control Rod Drive	General Electric	93	NA	3-0300-611	68	Replaced	Yes
Control Rod Drive	General Electric	259	N/A	3-0300-611	68	Replacement	Yes
CRD Flange Bolts (B)	General Electric	None	N/A	None	N/A	Replaced	NO
CRD Flange Bolts (8)	General Electric	HT# 52613	N/A	None	N/A	Replacement	NO
	<u> </u>				<u>.</u>	<u> </u>	
7. Description of work: Remove existing rebuilt CRD and new Att	ng Control Rod Drive :	assembly a	and f	lange bolling (cape	ruus)	and repla	cewith
,	3	rating Pressure	[] N	ot Applicable []			
• • • • • • • • • • • • • • • • • • • •	psig Test Tempers						
			_	halte from reaches	- - •'	4 611.5	 .
9. Remarks: Removed existing replaced with rebuilt CRD	and flange bolts.	c and Th	unge	TOUS TIBM TEACTOR		LIPA CIT A	<u></u>
							
	Certi	ificate of Com	oliance			<u></u>	
We certify that the statements made in the			<u>nent</u>	Conforms to Section X	I of the	ASME Code.	1
Signed: Brendan Ch. Cu	sey ISI Coore	linator_	11-10	, 19 <u>94</u>			1
(Owner or Owner's Desig	nee) (Title))	(Date)			
·	Cert	tificate of Insp	ection				Î
I, the undersigned, holding a valid community of the comm	ission issued by the National	Board of Boiler	and Pre	having inspected the R	colac	cment	
described in this report on 3-14	, 1995 and state to the best	t of my knowle	dge and b	(E pelief, this repair or replacem	Repair o ent has	or Replacement) been constructed i	in
accordance with Section XI of the ASME implied, concerning the repair or replacer	Code. By signing this certiful nent described in this report.	icate neither the Furthermore,	e inspecto neither th	or nor his employer makes an ne inspector nor his employer	y warra	nty, expressed or	Ĭ
for any personal injury or property damag		ig from or conf			س وسور ہ	17//1 / . / . :	_ ∥
Date: 3-/4-95 Inspector:	Carrier)		Сотп	nissions: 14932 /	/// / ice, Na	ional Board)	2
				,			i1

01607

FORM N-2 MANUFACTURERS FRARTIAL DATA REPORT 2 1117 Int A Part of a Nuclear Vessel Fabridated by Ohio Manufacturer for Annther Manufacturer As required by the Provisions of the ASME Gode Rules General Electric Co. APED, 175 Curtner Ave: San Jose, California NOTE: Code File 102 NOTE: Code File 102 Proving No. 237E179-G3 Proving Propert by D. L. Peterson Control Rod Drive Reserve: Fabricated and inspected in accordance with Section III and applicable code cases no. c1335-2. c1361 mand:1352 marriers See-sketch-showing configuration and materials used. Hydro tested at 2110 psi IVITION . PHILIPPI description of service for which vessel part was designed) this presents years contem to the ASME Code for Muleer Years to the seasons of material, design, construction, and workmanship Contilionte of Authorization Expires ... December 31, 1970 CERTIFICATION OF DESIGN Desired Information of fine of Congral Electric Co., APED, 175 Curtner Ave; San Jose, California Stress Tensily to report on file at General Electric Co., APED, 175 Curtner Ave; San Jose, California Deeles appellention condica by W. Schultheis _ Prof. Eng. _ _ State Calif_{Reg. No.} M11138 Prof. Eng State Calif. Rag. No. 13540 Strees analysis report contied by ____ CERTIFICATE OF SHOP INSPECTION <u>Division of Industrial Safety</u> of Inclustrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of WINTED Thaving inspected the Repair or Replacement)

(Repair or Replacement)

described in this report on 3-1445, 19 and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair 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.

Date: 3-1445 Inspector: Commissions: 1433 NB 1142 N148 (State or Province, National Board)

FORM N-2 MANUFACTURERS PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

As required by the Provisions of the ASME Code Rules
"1. (a) Manufactured by General Electric Co. APED. 175 Ourtner Ave; San Jose, California
(Name and address of Manufacturer of completed nucleur vessel)
102: 333-C,426-C,454-C,467-C,553-C,586-C,007-C,663-C,611-C, 684-C,721-C,756-C,773-C,516-C,720-C
(a) Constructed according to Drawing No. 237E179G3 Drawing Propered by D. L. PCLOTSON
(b) Description of Part Inspected Control Rod Drive .
-1, Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases No. 1335-2, 1361, and 1352.
See sketch showing configuration and materials used. Hydrotested at 2110 psi.
The second secon
AND THE RESIDENCE OF A SECOND CONTRACTOR OF A
The state of the s
and the second of the second o
(Belef description of survice for which vessel part was designed)
We certify that the statements made in this report are correct and that all details of material, design, construction, and no ensurable of this pressure vessel conform to the ASSIS Code for Nucleur Vessels.
Date September 29 19 67 Staned General Electric Co., APEDay
Cortificate of Authorization Expires 101 31,1967
CERTIFICATION OF DESIGN
Dusten Information of file at General Electric Co., APED, 175 Curtner Ave; San Jose, California
Stress analysis report on file at General Electric Co., APED, 175 Curtner, Ave; San Disc, California
Design specifications certified by W. Schultheis Prof. Eng. Stat Calif Reg. No. M11136
*Buena enalysis report certified by R. Lee Call Prof. Eng Stat Calif. Reg. No. 1.3540
CERTIFICATE OF SHOP INSPECTION
of California and employed by Division of Industrial Safety of
Popt of Industrial Relaitons have inspected the part of a pressure vesset described in this manufacturer's partial data report on
this part in accordance with the ASME Code for Nuclear Vessels.
By signing this certificate, neither the Inspector nor his employer makes any warrandy, expressed or implied, concerning the pair de- scribed in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be hable in any manufer in any
"morthad in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be Lable in any manufer in any
merconal injury or property damage or a loss of any kind srising from or connected with this inspection.
personal injury or property damage or a loss of any kind selsing from or connected with this inspection.
Date 19 (7) Commissions (10) Inspectives Signature Commissions (10) Nutional Hoard or Liste and 166.

1. Owner: Commonwealth Edison Co				Dat	e: <u>7/</u>	119/93	-
One First National Plaza, C	hicago IL, 60690 (Address)			She	et: _1_ (or <u>/</u>	
2. Plant: Dresden Nuclear Pow R.R. #1, Morris IL.,				Uni	it: 3		
				D 20	1655	- RPP3-9	4-175
3. Work Performed By:		Name)				No., Job No. etc.	
	AME (-					
4. Identification of System: 1-3 C	ONTROL ROD DR	JUE SY	5.300	2_			•
5. (a) Construction Code ASM	E SEC III 19 69	Edition,^	0	Addenda, Code Cases	Non	<u> </u>	
(b) Edition of Section XI used for	r Repair/Replacement 19 89	_ Edition,	10_ A	Addenda, Code Cases	NO1	VI	
6. Identification of Components Repaire			-				
Name of	Name of Manufacturer	Mírs.	Nat	Other	Yr	Repair,	Code
Component		Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamp Yes/N
CONTROL ROD BRIDE	CLAIGEN ELECTOR	708C	NA	SIN 708C	67	REPLACED	YES
CONTROL ROD DRIVE		1	NA			REPIACEMENT	
C.R.D. FLANKE BOLT	i .		NA	1 - 7 · · · · · · · · · · · · · · · · · ·	1	REPLACED	NO
C.R.D. FLANGE BOLT		Y				REPLACEMENT	No
P. May	5 A./A O.(A) As C	و درست و و	. 00	A A A - 1 A A - 1	N 0 C	11111	
7. Description of work: REMOUR	BOLTS.	CONTRO	<u> </u>	DELVE AND) KEF	ZACE CO.	WIKU
8. Test Conducted: Hydrostatic [6]	Pneumatic [] Nominal On	erating Pressure	i i	Not Applicable []			
•	1040 paig Test Tempe	•	•				
				1 10-11 6	0	מח בי המ	- , L
9. Remarks: <u>REMOVED</u> An AND REPLACED 8	EA. CONTROL RO	A BREV	RO REF	LANGE BOLF	S. W.S	TH NOW	012
VT-1 INSPECSED BOLTS	·						
	Cer	rtificate of Com	pliance				
We certify that the statements made i	n this report are correct and thi	(Repair o	r Renisc	Conforms to Section	on XI of th	ne ASME Code.	
Signed: Bundand. Ca (Owner or Owner's D	sey ISI Co.	<u>ordinator</u>	11-6	0,1994			
(Owner or Owner's L	esignee) (Tit	le)	(Da	ie)			
	Ca	ertificate of Ins	pection				
I, the undersigned, holding a valid co	ommission issued by the Nation	al Board of Boil	er and P	ressure Vessel Inmectors a	and the Sta	te OF Province of	
116/16/2 ,employed by	HBBI+/CD of	HARTFO	10	having inspected th	0 <u> </u>	PLACEMEN	_
described in this report on $9-14$, 19 <u>99</u> and state to the b	est of my knowl	edge and	d belief, this repair or repl	(Kepaii acement hi	r or Replacement) is been constructe	d in
accordance with Section XI of the Alimplied, concerning the repair or rep							
for any personal injury or property d					, 01 4124	to made in any i	imitte:
Date: 3-14-99 Inspector:	Charnes	· .	Co	mmissions: 16932	INB7	742 NG	B
				(State or	Province, I	National Board)	

到我的我就就是不是一个人。 "我们就是我们是一个人们的,我们就是一个人们的是一个人们的是一个人们的,你们们就是我们的一个人们的,你们们们就是一个人们的,你们们们们们们们们们们们们们们们们 01562 FORM N-2 MANUFACTURERS PARTIAL DATA REPORT. Part of a Nuclear Vessel Pabricated by the Manufacturer for Another Manufacturer As required by the Provisions of the ASMF. Code Rules 1. (a) Manufactured by General Flectric Co. APED 175 Curtner Ave: San Jose, California (b) Manufactured for General Electric Co. For use with reactor pressure vessel (a) Description of Part Inspected _____ Control Rod Drive * Romarks: Fabricated and sinspected in accordance with Section III and applicable code_cases no 7-1335-22-1361-nand-1352-1-----See sketch showing configuration and materials used. Hydro tested at 2110 psi Philosopea ... in Miles haved We certify that the statements made in this report are correct and that all details of material, design, construction, and workmanship December 28 - "- 19 67" Supred General Electric Co, APED By Certificate of Authorization Empires | December 31, 1970 CERTIFICATION OF DESIGN General Electric Co., APED, 175 Curtner Ave; San Jose, California Stress analysis report on file at General Electric Co., APED, 175 Curtner Ave; San Jose, California Design appelitions time to actified by W. Schultheis Prof. Eng. State Calif Reg. No. M11138 Prof. Eng State Calif Reg. No. 13540 CERTIFICATE OF SHOP INSPECTION 1, the undersigned, holding a velid commission issued by the National Board of Boller and Pressure Vessel Inspective and or the State end employed by Division of Industrial Safety' Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer a partial data , and state that to the best of my knowledge and helief, the manufacturer has constructed

National Board or State and ho

tor's Signature

Commissions: <u>IL 937 NB7742 NI3B</u>
(State or Province, National Board)

described in this report on 3-14-, 1995 and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair 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.

14-93 Inspector: _

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPLICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPLICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPLICATE NAME (Dide Rules, Section III, Div. 1

The Was Levy Sa

1. Manufactured & Certified by: GE Company, 2117 Castle Hayne Rd., Wilmington, N.C. 28402
(Name and Address of NPT Certificate Holder) (b) Manufactured for: DRESDEN -2, MORRIS, ILLINOIS 60450
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holders's S/N of Part: (A3504) Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 919D258G003 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: CYLINDER TUBE & FLANGE
(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W'75 Case No. 1361-2 Class 1
3. REMARKS: Sub-assembly of Control Rod Drive for use with reactor. (Brief description of service for which component was designed) Hydrostatically tested at 1825 psi. min.
*Sheet 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
DATE: 3/11 ,19 88 Signed GE-NEBG-NF&CM-QA By Cylindian (NPT Certificate Holder)
Certificate Of Authorization Expires: 6/16/90 Certification of Authorization No.: NPT N-1151
CERTIFICATION OF DESIGN FOR APPURTENANCE
Design information on file at GE COMPANY, SAN JOSE, CALIFORNIA
Stress analysis report on file at GE COMPANY, SAN JOSE, CALIFORNIA
DC22A6253 Rev. 0 Design specification certified by BJORN HAABERG Prof. Eng. State CALIF. Reg. No. 15570 DC22A6254 Rev. 0.
Stress analysis report certified by EDWARD YOSHIO Prof. Eng. State CALIF. Reg. No. M018646
CERTIFICATION OF SHOP INSPECTION
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of NORTH CAROLINA and employed by DEPARIMENT OF LABOR of STATE OF NORTH CAROLINA have inspected the part of a pressure vessel described in this partial Data Report on 19,0, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, we inter the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection. N.C. 723.PAWC1766. (NOTE) National Board, State, Province and No.

^{*}Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is θ -1/2" X 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKSs"

1. Owner: Commonwealth Edison Company (Name) One First National Plaza, Chicago L., 50690 (Address) 2. Plant: Dresden Nuclear Power Station (Name) 3. Work Performed By: QUNER (Name) Sheet: 1 Of 1 2. Work Performed By: QUNER (Name) Sheet: 1 Of 1 3. Work Performed By: QUNER (Name) Sheet: 1 Of 1 3. Work Performed By: QUNER (Name) Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 2 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 1 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 2 Repair Organization P.O. No., Job No. etc. Sheet: 1 Of 2 Sheet:			 					, ,
2. Plant: Dresden Nuclear Power Station (Name) R.R. F. Morris II 60450 (Address) 3. Work Performed By: OWNER (Name) SAME (Address) 4. Identification of System: A-3 CONTROL ROLD BRIVE SYS. 300 5. (a) Construction Code ASME SEC III., 19 b F Edition, No Addenda, Code Cases No No. (b) Edition of Socition XI used for Repair/Replacement 19 69 Edition, No Addenda, Code Cases No No 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Name of Manufacturer Mfrs. Nat Other Repair Replaced or Replaced and Replacement Components Name of Component Name of Manufacturer Mfrs. Nat Other Replaced or Replaced or Replaced or Replaced and Replacement No No SIN GOOC 67 REPLACED CONTROL ROLD BRIVE INVERTIGIBLE SECTION NO No SIN GOOC 67 REPLACED CONTROL ROLD BRIVE CHARREN SECTION 959 NA SIN GOOC 67 REPLACED CONTROL ROLD BRIVE CHARREN SECTION 959 NA SIN GOOC 67 REPLACED CONTROL ROLD BRIVE CHARREN SECTION NO NA I SIN GOOC 67 REPLACED C. R. D. PLANTE BOSTS GUILBRE SECTION NO NA I SIN GOOC 67 REPLACED C. R. D. PLANTE BOSTS GUILBRE SECTION NO NA I SIN GOOD NEED CONTROL ROLD BRIVE BOSTS GUILBRE SECTION NO NA I SIN GOOD NEED C. R. D. PLANTE BOSTS GUILBRE SECTION NO NA I SIN GOOD NEED C. R. D. PLANTE BOSTS GUILBRE SECTION NO NA I SIN GOOD NEED C. R. D. PLANTE BOSTS GUILBRE SECTION NO NA I SIN REPLACE CONTROL ROLD DRIVE AND REPLACE CONTROL ROLD DRIVE GUILBRE SECTION NEED CONTROL ROLD DRIVE GUILBRE SECTION NEED CONTROL ROLD DRIVE GUILBRE CONTROL GRAPH CONTROL ROLD DRIVE GUILBRE CONTROL GUILBRE CONTROL GRAPH CONTROL GUILBRE CONTROL GRAPH CONTROL GUILBRE CONTROL GRAPH CONTROLD GUILBRE CONTROL GRAPH CONTROL GUILBRE CONTROL GUILBRE CONTROL	1. Owner:	Commonwealth Edison Compa	(Name)			Date	e: <u> </u>	1/14/93
R.R. 11, Morris II 60450 (Address) 3. Work Performed By: QWNER (Name) P20657 (3-94-0 Repair Organization P.O. No., Job No. etc. SAME (Address) 4. Identification of System: A-3 CONTROL ROB DRIVE SYS. 300 5. (a) Construction Code ASME SEC III., 19 6 F Edition, Atd Addends, Code Cases Now E (b) Edition of Section XI used for Repair/Replacement 19 69 Edition, Atd Addends, Code Cases Now E 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Mfrs. Nat Other Yr Repair, Replaced on Replacement Components Name of Component Serial No. Brd IID Bit Replacement Replaced and Replacement Components Now Brd IID Bit Replacement Components ADVIROL ROB DRIVE GENERAL RECEIPER GOOC N/A SIN GOOC 67 REPUBLIC CONTROL ROB DRIVE GENERAL RECEIPER HISS2613 N/A 1-8 x 5½" UNK REPUBLIC CONTROL ROB DRIVE BOLTS GENERAL RECEIPER HISS2613 N/A 1-8 x 5½" UNK REPUBLIC CO. R. D. FIRNIE BOLTS GENERAL RECEIPER HISS2613 N/A 1-8 x 5½" UNK REPUBLIC CO. R. D. DRIVE BOLTS GENERAL RECEIPER HISS2613 N/A 1-8 x 5½" UNK REPUBLIC CO. R. D. DRIVE BOLTS GENERAL RECEIPER HISS2613 N/A 1-8 x 5½" UNK REPUBLIC CO. R. D. DRIVE BOLTS WITH NEW REPUBLIC BOL	•					She	et: <u>1</u> (of <u>/</u>
Repair Organization P.O. No., Job No. etc. SAME (Address) 8. Identification of System: A 3 CONTROL ROD DRIVE SYS. 300 5. (a) Construction Code ASME SEC III, 19 65 Edition, No Addenda, Code Cases No No (b) Edition of Section XI used for Replacement 19 69 Edition, No Addenda, Code Cases No No 5. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Mfrs. Nat Other Yr Repair, Replaced or Replacement Components Name of Name of Manufacturer Mfrs. Nat Other Bill Replaced or Replacement Control. Rob DRIVE GENERAL RESTRET GOOD NAT SIN GOOC 67 REPLACED CONTROL ROD DRIVE GENERAL RESTRET NOW NAT SIN GOOC 67 REPLACED CONTROL ROD DRIVE GENERAL RESTRET NOW NAT 1.8 x5/2" UNK REPLACED C. R. D. FLANLE BOLTS GENERAL RESTRET NOW NAT 1.8 x5/2" UNK REPLACED C. R. D. FLANLE BOLTS GENERAL RESTRET NOW NAT 1.8 x5/2" UNK REPLACED C. R. D. FLANLE BOLTS GENERAL RESTRET NOW NAT 1.8 x5/2" UNK REPLACED C. R. D. FLANLE BOLTS GENERAL RESTRET NOW NAT 1.8 x5/2" UNK REPLACED C. R. D. PLANLE BOLTS GENERAL RESTRET NOW NAT 1.8 x5/2" UNK REPLACED C. R. D. DRIVE AND REPLACE C. R. D. DRIVE AND REPLACE C. R. D. DRIVE AND REPLACE C. R. D. DRIVE FROM POSITE SINT NEW YOR REPLACED BOLTS. WITH NEW YOR Certificate of Compliance (Repair or Replacement) Conforms to Section XI of the ASME Code. Signed: "EMERGENCY UNITED CONTROL ROD DRIVE FURNISHED Conforms to Section XI of the ASME Code. Signed: "EMERGENCY UNITED CONTROL ROD DRIVE WE CERTIFY UNITED SECTION XI of the ASME Code. Signed: "EMERGENCY UNITED SECTION XI of the ASME Code. Signed: "EMERGENCY UNITED SECTION XI of the ASME Code. Signed: "EMERGENCY UNITED SECTION XI of the ASME Code. Signed: "EMERGENCY UNITED SECTION XI of the ASME Code. Signed: "EMERGENCY UNITED SECTION XI of the ASME Code. Signed: "EMERGENCY UNITED SECTION XI of the ASME Code. Signed: "EMERGENCY UNITED SECTION	2. Plant:					Uni	ı: <u>3</u>	_
Repair Organization P.O. No., Job No. etc. SAME (Address) 4. Identification of System: A 3 CONTROL ROD DRIVE SYS. 300 5. (a) Construction Code ASME SEC III. 19 69 Edition. No Addenda, Code Cases No No (b) Edition of Section XI used for RepairReplacement 19 69 Edition. No Addenda, Code Cases No No 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Mfrs. Nat Other Yr Repair. Component Serial No. Brd IID Bit Replaced or Replacement Components No Component Serial No. Brd Shall Reference Serial No. Brd IID Bit Replaced or Replacement Control Rob DRIVE GENERAL REGISTED Serial No. No CONTROL ROD DRIVE GENERAL REGISTED SOC NA SIN GOOC GT REPLACEMENT C. R. D. FLANLE BOITS GENERAL REGISTED HASSIGN NA 1-8 x5/2" UNK REPLACED C. R. D. FLANLE BOITS GENERAL REGISTED HASSIGN NA 1-8 x5/2" UNK REPLACED C. R. D. FLANLE BOITS GENERAL REGISTED HASSIGN NA 1-8 x5/2" UNK REPLACED C. R. D. FLANLE BOITS GENERAL REGISTED HASSIGN NA 1-8 x5/2" UNK REPLACED C. R. D. FLANLE BOITS GENERAL REGISTED HASSIGN NA 1-8 x5/2" UNK REPLACED C. R. D. DRIVE AND REPLACE C. R. D. DRIVE AND REPLACE C. R. D. DRIVE AND REPLACE C. R. D. DRIVE FLOW RESISTED NOT AUSTRAL ROLL BOITS WITH NEW YORLD REPLACED GENERAL BOITS WITH NEW YORLD REPLACED CONTROL ROLL DRIVE FURNISH BOITS WITH NEW YORLD REPLACED CONTROL ROLL DRIVE FURNISH BOITS WITH NEW YORLD REPLACED CONTROL ROLL DRIVE FURNISH BOITS WITH NEW YORLD REPLACED CONTROL ROLL DRIVE FURNISH Conforms to Section XI of the ASME Code. Signed: CANNAN LARGE COMPANY WITH LARGE COMPA	3. Work I	Performed By: <i>QW</i>	NER (N	ame)		720	697	(3-94-0
5. (a) Construction Code ASME SEC III. 19 67 Edition. NO Addenda, Code Cases Non-E (b) Edition of Section XI used for Repair/Replacement 19 69 Edition. No Addenda, Code Cases Non-E 6. Identification of Components Repaired or Replacement Components Name of Manufacturer Mfrs. Nat Other ID Bit Replaced or Replacement Components Name of Manufacturer Mfrs. Nat Did ID Bit Replaced or Replacement ID SIN GOOC ID REPLACE CONTROL ROD DRIVE GENERAL ELEGISTIC 959 NAT SIN GOOC ID REPLACE CONTROL ROD DRIVE BOLTS GENERAL ELEGISTIC HISTORIC NORD NAT 1-8 x51/2" UNK REPLACED C. R. D. FLANKE BOLTS GENERAL ELEGISTIC HISTORIC HISTORIC ROD DRIVE AND REPLACE CORRECT FOR DRIVE BOLTS. 7. Description of work: REMOVE AND REPLACE CONTROL ROD DRIVE AND REPLACE CORRECT FOR DRIVE BOLTS. 8. Test Conducted: Hydrostatic M. Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 paig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITI AND REPLACED BETT WITH NEW YORLD AND REPLACED BOLTS. Certificate of Compliance We certify that the statements made in this report are correct and this Associated Replacement Conforms to Section XI of the ASME Code. Signed: Mandan J. Casley ISL Coordinator II-00 , 19 44		SA	mE	.ddress)		Repair Organiza	tion P.O.	No., Job No. etc
5. (a) Construction Code ASME SEC III. 19 6 F. Edition. No Addenda, Code Cases None (b) Edition of Section XI used for Repair/Replacement 19 69 Edition. No Addenda, Code Cases None 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Mfrs. Nat Other ID Bit Replaced or Replacement Components Name of Manufacturer Mfrs. Nat ID Bit Replaced or Replacement Ombound ID Bit Replaced or Replacement ID Bit Replaced or Replacement ID Bit Replaced or Replacement ID SIN GOOC ID REPLACED CONTROL ROB DRIVE GENERAL ELEGISTIC 959 NA SIN GOOC ID REPLACED CONTROL ROB DRIVE GENERAL ELEGISTIC NONE NAT 1-8 X51/3" UNK REPLACED CONTROL ROB DRIVE BOLTS GENERAL ELEGISTIC HT833613 NA 1-8 X51/3" UNK REPLACED C.R. D. FLANKE BOLTS GENERAL ELEGISTIC HT833613 NA 1-8 X51/3" UNK REPLACED C.R. D. REPLACE CONTROL ROB DRIVE AND REPLACE CORRESPONDED TO SECTION OF THE PRESSURE DATE AND REPLACED CONTROL ROB DRIVE AND REPLACE CORRESPONDED TO SECTION	4. Identifi	cation of System: $10-3$ CO	NTROL ROD DR.	TUE SYS	3.300	2 _		
(b) Edition of Section XI used for Repair/Replacement 19 69 Edition, No Addenda, Code Cases No No 6. Identification of Components Repaired or Replaced and Replacement Components Name of							Non	ast_
Name of Name of Manufacturer Mfrs. Nat Other Yr Repair, Components Name of Name of Manufacturer Mfrs. Nat Other Bit Replaced or Replacement Downson No Bridge Downson No Bit Replaced or Replacement Own No Bridge Downson No Bridg								
Name of Component Name of Manufacturer Mfrs. Serial No. Brd ID Bit Replaced or Replacement Constrol Rob Drive General Replaced or Replacement Constrol Rob Drive General Relations & Serial No. No. Drive General Replacement Constrol Rob Drive General Relations & Serial Rob Drive Rob Drive Replacement C. R. D. Flanke Bolt's General Electric Hissoria NA 1-8 x5/2" unk Replaced C. R. D. Flanke Bolt's General Electric Hissoria NA 1-8 x5/2" unk Replaced C. R. D. Flanke Bolt's General Electric Hissoria NA 1-8 x5/2" unk Replaced C. R. D. Flanke Bolt's General Rob Drive And Replaced Correct and Constrol Rob Drive And Replaced Golt's Will New York Table Bolt's We certify that the statementa made in this report are correct and this Legislation Replacement. Signed: Bandan Casley ISI Constrol Rob Drive Replacement.								· —
Component Serial No. Brd No BL Replaced or Replaced or Replacement CONTROL ROD DRIVE GENERAL ELECTRIC SOC NA SIN GOOC 67 REPLACEMENT CONTROL ROD DRIVE GENERAL ELECTRIC 959 NA SIN 959 69 REPLACEMENT C. R. D. FLANKE BOITS GENERAL ELECTRIC HISSOLIS NA 1-8 x 51/2" UNK REPLACED C. R. D. FLANKE BOITS GENERAL ELECTRIC HISSOLIS NA 1-8 x 51/2" UNK REPLACED C. R. D. FLANKE BOITS GENERAL ELECTRIC HISSOLIS NA 1-8 x 51/2" UNK REPLACED TO DRIVE FLANKE BOITS. 8. Test Conducted: Hydrostatic Pressure 1040 paig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITE AND REPLACED SEA. CONTROL ROD DRIVE FLANKE BOITS WITH NEW NOT-1 INSPECTACED BOITS. We certify that the statements made in this report are correct and this LEPANCENT Conforms to Section XI of the ASME Code. Signed: BANDARA CASULY ISL CONTROL ROD PAGE COMPLIANCE. Signed: BANDARA CASULY ISL CONTROL POR POSITION NOT TO SECTION XI of the ASME Code. Signed: BANDARA CASULY ISL CONTROL ROD PAGE COMPLIANCE TO CONFORMS to Section XI of the ASME Code. Signed: BANDARA CASULY ISL CONTROL ROD PAGE COMPLIANCE TO CONFORMS to Section XI of the ASME Code. Signed: BANDARA CASULY ISL CONTROL ROD PAGE COMPLIANCE TO CONFORMS TO SECTION XI of the ASME CODE.	o. Menui	cation of Components Repaires of	Replaced and Replacement	Components				
No Replacement CONTROL ROD DRIVE GENERAL ELEGISTIC 959 NA SIN GOOC 67 REPLACED CONTROL ROD DRIVE CENERAL ELEGISTIC 959 NA SIN 959 69 REPLACEDED C. R. D. FLANKE BOLTS GENERAL ELEGISTIC HIBSOLIS NA 1-8 x 51/3" UNK REPLACED C. R. D. FLANKE BOLTS GENERAL ELEGISTIC HIBSOLIS NA 1-9 x 51/3" UNK REPLACED 7. Description of work: REMOVE AND REPLACE CONTROL ROD DRIVE AND REPLACE CORRESPONDED TO SERVE FLANCE BOLTS. 8. Test Conducted: Hydrostatic N Procumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FLOW POSITE AND REPLACED BEA. CONTROL ROD DRIVE FLANCE BOLTS. WITH NEW NT-1 INSPECTED BOLTS. We certify that the statements made in this report are correct and this REMOVED TO Conforms to Section XI of the ASME Code. (Repair or Replacement) Signed: BRADANA CASLY ISL (Condinator Replacement) ISI (condinator Replacement) ISI (condinator II-10 , 19 94		• • • • • • • • • • • • • • • • • • • •	Name of Manufacturer					
CONTROL ROD DRIVE CENERAL ELECTRIC 959 N/A 3/N 959 69 REPIREMENT C.R.D. FLANLE BOITS GENERAL ELECTRIC HONOL N/A 1-8 x 51/3" UNK REPIREMENT C.R.D. FLANLE BOITS GENERAL ELECTRIC HINSDIS N/A 1-8 x 51/2" UNK REPIREMENT ROD DRIVE BOITS. 7. Description of work: REMOVE AND REPLACE CONTROL ROD DRIVE AND REPLACE CORRESPONDENT FOR POSITION OF WORK REPRESENTE 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITION REPLACED BOITS. 1. Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITION REPLACED BOITS. 1. Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITION REPLACED BOITS. 1. Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FLANKE BOITS WITH NEW LY-1 INSPECTED BOITS. 1. Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FLANKE BOITS WITH NEW LY-1 INSPECTED BOITS. 1. Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FLANKE BOITS WITH NEW LY-1 INSPECTED BOITS. 1. Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FLANKE BOITS WITH NEW LY-1 INSPECTED BOITS. 1. Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FLANKE BOITS WITH NEW LY-1 INSPECTED BOITS W		Component		Senii No.		<u> </u>	Bit	
C. R. D. FLANGE BOLTS GENERAL ELECTRIC HINGSOLS NA 1-8 x 51/2" UNK REPLACED C. R. D. FLANGE BOLTS GENERAL ELECTRIC HINGSOLS NA 1-8 x 51/2" UNK REPLACED CORRESPONDED TO THE PRODUCTION OF WORK: REMOVE AND REPLACE CORRESPONDED TO THE PRODUCTION OF WORK PLANGE BOLTS. 8. Test Conducted: Hydrostatic (A) Procumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 psig Test Temperature 200 "F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITE AND REPLACED & EA. CONTROL ROD DRIVE FLANGE BOLTS. WITH NEW YT-1 INSPECTED BOLTS. Certificate of Compliance We certify that the statements made in this report are correct and this LEPLACEMENT Conforms to Section XI of the ASME Code. Signed: BANDAN CASLY ISLOCATION TO Replacement) ISI Coordinator 11-10 1944	con	TROL ROB BRIVE	GENERAL ELECTRIC	600C	NA	SIN 600C	67	REPLACED
C. R. D. FLANGE BOLTS GENERAL ELECTRIC HISTORIS NA 1-8 x 5 1/2" UNK REPLACE CORRECTION OF WORK: REMOVE AND REPLACE CORRECTION DRIVE AND REPLACE CORRECTION DRIVE AND REPLACE CORRECTION DRIVE AND REPLACE CORRECTION OF THE PRESSURE 1040 psig Test Temperature 200 °F 9. Remarks: Removed and Replaced Control Rold Drive France BOLTS WITH NEW VT-1 INSPECTED BOLTS. Certificates of Compliance We certify that the statements made in this report are correct and this Repair or Replacements. Signed: Bandand Cases ISL Condinator 11-10 , 19 94	CON	TROL ROD DRIVE	CENERAL ELECTRIC	959	NA	SIN 959	69	REPLACEMENT
7. Description of work: REMOVE AND REPLACE CONTROL ROD DRIVE AND REPLACE COROL DRIVE FLANGE BOLTS. 8. Test Conducted: Hydrostatic (1) Pneumatic [1] Nominal Operating Pressure [1] Not Applicable [1] Test Pressure 1040 paig Test Temperature 200 °F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITION REPLACED & CONTROL ROD DRIVE FLANGE BOLTS WITH NEW VT-1 INSPECTED BOLTS. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: BANDANA. CASLY ISLANDED II-10 , 19 94	CE	. D. FLANGE BOLTS	GENERAL ELECTRIC	None	MA	1-8 x 51/2"	UNK	REPLACED
ROD DRIVE FLANGE BOLTS. 8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 psig Test Temperature 200 °F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITI AND REPLACED BOLTS. WITH NEW VT-1 INSPECTED BOLTS. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Bundan D. Casley ISI (condinator 11-10 , 19 94)	C.R.	D. FLANGE BOLTS	GENERAL ELECTRIC	H1#52613	NA	1-8x51/2"	UNK	REPLACEMENT
ROD DRIVE FLANGE BOLTS. 8. Test Conducted: Hydrostatic (V) Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 paig Test Temperature 200 °F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITI AND REPLACED BOLTS. WITH NEW VT-1 INSPECTED BOLTS. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Bundand. Casly ISI (condinator 11-10 , 19 94					<u> </u>			<u></u>
ROD DRIVE FLANGE BOLTS. 8. Test Conducted: Hydrostatic (V) Pneumatic [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 paig Test Temperature 200 °F 9. Remarks: REMOVED AND REPLACED CONTROL ROD DRIVE FROM POSITI AND REPLACED BOLTS. WITH NEW VT-1 INSPECTED BOLTS. Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Bundand. Casly ISI (condinator 11-10 , 19 94						<u> </u>		
(Owner or Owner's Designee) (Title) (Date)	9. Remark	onducted: Hydrostatic (M) Processure 104 ks: REMOVED AND REPLACED & EASTWARD BOLIS. This processure in the statements made in the statements made in the statements. Sundan A. Casl	neumatic [] Nominal Operation Part Period Part Period Part Period Part Part	acure ZCO ONTROL A DRIV tificate of Com Repair of	Pliance	S DRIJE F.		

FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

1. (a) Menufactured by General Electric Co., APED, 175 C	urtner Ave: San Jose, California
(b) Manufactured for General Electric Co. For use wit	h reactor pressure vessel
2. Identification-Manufecturer's Series No. of Part 806, 876, 878, 88	37 . 930. 946. (959.) 995
(a) Constructed According to Drawing No. 237E179-G3 Drawing	Prepared by D. L. Peterson
(b) Description of Part Inspected Control Rod Drive	
3. Remarks: Fabricated and inspected in accordance w	ith Section II) and applicable
code cases no. 1335-2, 1361, and 1352	
See sketch showing configuration and materials	used. Hydro tested at 2110 psi
(Brief description of servicis for which	h vessel part was derigned)
We certify that the statements made in this report are correct and that all this pressure vessel conform to the ASME Code for Nuclear Vessels.	•
Date January 24. 19 69 Signed General Electric (Manufacture)	Co. APED By
Certificate of Authorization Expires December 31, 1970	-
CERTIFICATION OF	DESIGN
Design information of file at General Electric Co., APED, I	75 Curtner Ave; San Jose, California
Stress analysis report on file at General Electric Co., APED, 1	75 Curtner Ave; San Jose, California
Design specifications certified by W. Schultheis	Prof. Eng. M. E. tale Calif Reg. No. M11158
Stress enelysis report certified by R. L. Call	Prof. Eng M. E. date Callf Reg. No. 13590
CERTIFICATE OF SHOP	INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of California and employed by Division of	Industrial Safety
Dept. of Industrial Relations have inspected the part of a pr	essure vesuel described in this manufacturer is partial (according knowledge and hitlief, the munifacturer has a control or to
this part in accordance with the ASME Code for Nuclear Vessels.	
By signing this certificate, neither the Inspector nor his employer makes	· · · · · · · · · · · · · · · · · · ·
ecribed in this manufacturer's partial data report. Furthermore, neither the inspe- personal injury or property damage or a loss of any kind arising from or connected w	
	1
Date 1-24 - 1969	
Date 1-24 - 1969 M J D aues Commission	na CaC70 (National House or State and No.
المداعة مجرد معادل ومرد بعد مستول المراجع والمراجع والمراجع في المراجع المراجع المراجع والمراجع والمراجع والمراجع و	

FORM N-2 MANUFACTURERS/PARTIAL DATA REPORT FORM N-2 MANUFACTURERS

"1-(a) Manufactured by General Electric Co., APED, 1	75 Curtner Ave; San Jose, California
(b) Manufactured for General Electric Co. For use	
-2. Identification-Manufacturer's Serial No. of Part 102: 399-C, 50	* * * * * * * * * * * * * * * * * * * *
(g) Constructed According to Drawing No. 237E179-G3	wing Proposed by D. L. Peterson
(b) Description of Part Inspected Control Rod Drive	
"3. Remarks: Fabricated and inspected in accordance	e with Section III and applicable
code cases no. 1335-2, 1361, and 1352	
"See sketch showing configuration and materia	ls used. Hydro tested at 2110 psi
to the state of	
The state of the s	· · ·
tarion O.A. (Brief description of service for	which vessel part was designed)
We certify that the statements made in this report are correct and the this pressure vessel conform to the ASME Codefor Nuclear Vessels.	et all details of material, design, construction, and scrimanisms of
bete - November 8 19 67 Signed General Elect	ric Co. APED By Columbia
Certificate of Authorization Expires December 31, 1967	<u>. </u>
CERTIFICATION	OF DESIGN
Design information of file at General Electric Co. APED.	175 Curtner Ave: San Jose, California
Stress analysis report on the atGeneral Electric Co., APED,	175 Curtner Ave; San Jose, California
Design approximations continued by W. Schultheis	Prof. Eng. State Callif Reg. No. M11138
Strees analysis report certified by R. L. Call	Prof. Eng. Stat Callif Reg. No. 1354U
CERTIFICATE OF SH	OP INSPECTION
	loard of Boller and Pressure Vessel Inspectors and/or the State
• • • • • • • • • • • • • • • • • • • •	n of Industrail Safety
Dept. of Industrial Relations have inspected the part of report on 19 , and state that to the be	f a pressure vessel described in this manufacturer's partial data at of my knowledge and belief, the manufacturer has constructed
this part in accordance with the ASME Code for Nuclear Vessels.	
By signing this certificate, neither the Inspector nor his employer m	· · · · · · · · · · · · · · · · · · ·
scribed in this manufacturer's partial data report. Furthermore, neither the	
personal injury or property damage or a loss of any kind arising from or connecting the second of the second or connecting the second or connectin	cred with this inspection.
Dete	
	1
The state of the s	NAME IN COLUMN TO THE PARTY OF

1. Owns	e: Commonwealth Edison Compa	ny (Name)			Date:	7/1	4/94	
	One First National Plaza, Chica	igo IL, 60690 (Address)			Sheet:	_1_0	r	
2. Plant	Dresden Nuclear Power St R.R. #1, Morris IL., 604				Unit:	3		
3. Wori	Performed By:OW	<i>NER</i> (N	ame)				9 (3-94-0	<u> (11)</u>
		mE (A			Repair Organization	on P.O.	No., Job No. etc.	
	ification of System: <u>\$\lambda - 3 CO_I</u>	·	•	. 200	•			
4. Ideni 5. (a)	Construction Code ASME					Nor	va	
- (b)	Edition of Section XI used for Re		-					
	tification of Components Repaired or			<u> </u>	muenus, code cases	7,000		
	Name of	Name of Manufacturer	Mírs.	Nat	Other	Yr	Repair,	Code
	Component	Name of Managemen	Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stampe Yes/N
60	NTROL ROB BRIJE	GENERAL ELECTRON	7328	NA	SIN 7328	78	REPLACED	V=5
	NTROL ROD DRIVE			N/A			REPLACEMENT	yes
11	R. D. FLANGE BOLTS			N/A	1-8 x 51/2"		REPLACED	No
16	R.D. FLANGE BOLTS		I .	NA			REPLACEMENT	No
10	cription of work: <u>REMOUE</u> D DREVE FLANUE	B0275.	•	•	B BRIVE AND	REI	PLACE CO	NTRO
8. Tes	t Conducted: Hydrostatic M P		_		Not Applicable []			
		40 psig Test Tempe			_			
	narks: <u>REMOVED AND</u> ID <u>REPLACED</u> 8 EX	REPLACED C	DONTROP	RO	LANGE BOLF	WI	TH NEW	on B
VI	-1 INSPECTED BOLT	' S	-				·	
We Sig	certify that the statements made in the ma	this report are correct and the	rificate of Cos is KEPLAC (Repair continator (le)	or Repla	Conforms to Section (coment)	n XI of t	the ASME Code.	
		C	Certificate of In	spection	ı			
1. j	be undersigned, holding a valid com	imposion issued by the Nation 1151314160	nai Board of Bo	iler and	Pressure Vessel Inspectors at having inspected the	nd the Si	Late or Province o	<u> </u>
de: ac: im	cordance with Section XI of the ASA plied, concerning the repair or repla r any personal injury or property date	AE Code. By signing this co	best of my kno- ertificate neither ort. Furthermo	viedge a the insp re, neith	nd belief, this repair or repla sector nor his employer make ar the inspector nor his empl	(Rep) seement any w	nr or Replacemen has been construct arranty, expressed	t) ted in l or
D	sto: <u>3-/4-95</u> Inspector: _	Marry		c	Commissions: 11 932	N/3 rovince	7742 N/ , National Board)	513

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PARTIAND APPURTENANCES As required by the Provision of the ASME Code Rules, Section III, 'Div, I

=	
1	. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM
	2117 Castle Hayne Road, Wilmington, North Carolina 28401
	(Name and Address of NPT Certificate Holder)
	(b) Manufactured for : <u>Dresden Morris, Illinios 60450</u> (Name and Address of N Certificate Holder for completed nuclear component)
2	. Identification - Certificate Holder's S/N of Part : (A9546) Nat'l Bd. No. N/A
	(a) Constructed According to Drawing No: 768E534G005 Rev 9 Dwg. Prepared by D. L. Peterson
	(b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG001
	(c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1
3.	REHARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
	(Brief description of service for which component was designed)
	Sheet 1 of 2
	
	We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
	Date: 02/11/94 Signed GE - NEBG - NF & CM - QA By CC ON Representive)
	Certificate of Authorization Expires: 6/16/96 Certification of Authorization No. : NPT N - 1151
	Certification of Design for Appurtenance
	Design information on file at <u>GE Company</u> , San Jose, California
	Stress analysis report on file at <u>GE Company</u> , San Jose, California
	DC22A6253 Rev. 1 Design specification certified by <u>Blorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
	OC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
	Certification of Shop Inspection
	I. the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 1/12, 1997, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
	2/// . 1794 Jerone P. E
	Date V Inspector's Signature National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

1. Owner: Commonwealth Edison Company				Date	<u> </u>	114/73	-
One First National Plaza, Chicago IL, 60690 (Address)				Sheet: _1_ Of _/			
2. Plant: Dresden Nuclear Power St R.R. #1, Morris IL., 604:					: 3	_	
3. Work Performed By:OW	<i>NER</i> (N	(ame)				2 (3-94-	014)
SA	<i>mE</i> (A	(ddress)		Repair Organiza	uon P.O. I	70., 100 No. etc.	
4. Identification of System: 10-3 Con	·		200				
5. (a) Construction Code ASME					~ °	NE	
(b) Edition of Section XI used for Re							
6. Identification of Components Repaired or				<u></u>			
6. Identification of Components Repaired of	wehiseed and wehiseement	Components				·	
Name of	Name of Manufacturer	Mfrs.	Nat	Other	Yr	Repair,	Code
Component]	Seriai No.	Brd No	ID	Bit	Replaced or Replacement	Stampe Yes/No
CONTROL ROD BRIJE	ALAIGON EIGEROM	A 60:21	NA	SIN A5021	82	REPLACED	
CONTROL ROD DRIVE		1	NA	SIN 978		REPLACEMENT	
C.R.D. FLANCE BOLTS	I	1,,	NA	1-8 x 51/2"	UNK		
C.R.D. FLANGE BOLTS			177	1-8 x 51/2"	KINK	REPLACEMENT	
C.X. 0. 7 (7.402 G. 2	OLY-CKAK PEEE/KEE	1				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1700
	 	 	 				
26.00	4 14 0 6 21 41 5			<u> </u>	^ 01		
7. Description of work: <u>REMOUF</u> ROD DREVE FLANGE	BOLTS.	CONTRO	2 80	D) BRIVE AN	D_KEF	PLACE CO	WTROL
8. Test Conducted: Hydrostatic (X) P	neumatic [] Nominal Or	perating Pressure	. i 1	Not Applicable []			
, ,	40 paig Test Tempe	•					
9. Remarks: REMOVED AND		-		1 1 PT-16 F	Rom	POSITI	-an 6.
AND PEPIACED & FO	A. CONTROL RO	A ARIU	I SE	LANGE BOLT	5 WI	TH NGU)
OR VI-1 INSPECTED BO	04.75.						
		ertificate of Cor					
We certify that the statements made in ((Persia)	ne Denis	icement)	ion XI of t	he ASME Code.	
Signed: Brendan J. Cas	uy ISI G	ordinator		<u>-10</u> ,19 <u>94</u>			
(Owner or Owner's Des	ignëe) (Ti	ille)	(E	Jale)			
	(Certificate of In	pection	1			
I, the undersigned, holding a valid com	unission issued by the Natio	nai Board of Bo	iler and	Pressure Vessei Inspectors	and the St	ate or Province o	ıf
I, the undersigned, holding a valid com	43314100	of HARTE	OK 17	having inspected t		PLACE ME	
described in this report on 7-30-	25,19 and state to the	best of my know	vledge =	nd belief, this repair or rep	lacement t	as been construc	ted in
accordance with Section XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair 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 dat	nage or a loss of any kind a		onnecte	d with this inspection.		-	
Date: 9-30-95 Inspector:	Marry		c	Commissions: 1693	2 NG	7742X1	53
	-			(State or	Province,	National Board)	

FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by General Electric Co., R&FMO.175 Curtner Ave: San Jose, California
(b) Manufactured for General Electric Co. For use with reactor pressure vessel
2. Identification-Manufacturer's Serial No. of Part 978, 981, 1039, 1056 NOTE: Code File 102 (a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Peterson
(b) Description of Pert Inspected Control Rod Drive
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases no. 1335-2, 1361, and 1352
See sketch showing configuration and materials used. Hydro tested at 2110 psi
(Brief description of service for which vessel part was designed)
We certify that the statements made in this report are correct and that all details of material, design, construction, and workmanship of this pressure vessel conform to the ASME Code for Nuclear Vessels.
Date February 18. 19 69 Signed General Electric Co, R&FMO By
Constitute of Authorization Expires December 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., R&FMO, 175 Curtner Ave; Sim Jose, California
Stress analysis report on file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
Design specifications certified by W. Schultheis Prof. Eng. M. E. State Calif Reg. No. M11133
Stress analysis report certified by R. L. Call Prof. Rng M.E. State Callif Heg No. 13540
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and or the State California and employed by Division of Industrial Safety dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacture?'s partial data
report on
this part in accordance with the ASME Code for Nuclear Vessels.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or replied, concerning the part its suribed in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any
personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 2-19- 1969
Commissions Cel 706 Inspector's Rignature Commissions Cel 706 National Marriage Rignature

1. Owner: Commonwealth Edison Compa One First National Plaza, Chica				Date:	7//	6/93	·
2. Plant: <u>Dresden Nuclear Power S</u>	tation (Name)				٥ ــــ:	<u> </u>	
R.R. #1, Morris IL., 604	(Address)				3_	- -/> 0	~
3. Work Performed By: OW	<i>NER</i> (N	ame)		Repair Organizati		9 (Plan 3-	94-01/
<i>SA</i>	<u>mE.</u> (A	(ddress)		Weben Oileman		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
4. Identification of System: 1-3 CO	UTROL ROD DR	TUE SYS	. 300	<u> </u>			
5. (a) Construction Code ASME	SEC III 1965	Edition, <u>**</u>	<u> </u>	Addenda, Code Cases	No ~	ق	
(b) Edition of Section XI used for Re	epair/Replacement 19 <i>8</i> 9	Edition, A	٠ . A	ddenda. Code Cases	NON	-	
6. Identification of Components Repaired or		-		,	<u> </u>		
Name of	Name of Manufacturer	Mírs.	Nat	Other	Yr	Repair,	Code
Component		Serial No.	Brd No	10	Blt	Replaced or Replacement	Stampe Yes/N
CONTROL ROD BRIVE	CENERN ELLESON	1775	NA	SN 1775	70	REPLACED	
CONTROL ROD DRIVE		1	77	SN A9674	$\overline{}$	REPLACEMENT	
C. R. D. FLANGE BOLTS			NA	1-8 x 51/3"	1	REPLACED	No
C.R.D. FLANGE BOLTS			 	1-8 x 51/2"	\neg	REPLACEMENT	
C.X. G. Y.C. MOR.	OLF-CAM PEEE/ADE	The reserved	1			VENTALINEN	1
	 			 			
Test Pressure	neumatic [] Nominal Or 240 Rub 8/xi/94 Desig Test Tempe	perating Pressure	RIB TF	Not Applicable []			
9. Remarks: <u>REMOVED</u> AND AND REPLACED 8 E	9. CONTROL RO	DONTROP	RA P	ELANGE BOLF	Som	TOSITI	
OR VT-1 INSPECTED	BOLTS.						
We certify that the statements made in Signed: Signed: Owner or Owner's Des	this report are correct and th	(Repair	or Repla	Conforms to Section	n XI of t	he ASME Code.	
	C	Certificate of In	spection	i.			
I, the undersigned, holding a valid con	unission issued by the Nation	nal Board of Bo	iler and	Pressure Vessel Inspectors a	nd the St	PLACETTE	-
described in this report on /2-21 accordance with Section XI of the ASN implied, concerning the repair or repla for any personal injury or property date	AE Code. By signing this co- cement described in this rep- mage or a loss of any kind a	ertificate neither ort. Furthermor rising from or c	the insp re, neith	ector nor his employer make er the inspector nor his empl	cement l	rranty, expressed	ted in i or
Date: 12-19-87 Inspector:	Pert I las	nell	c	commissions: 1193 7 (State or	NB	1242/4/5L	3
				(State of	Province,	National Board)	

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPLIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART (AND APPLIFICATE HOLDERS') DATA REPORT (AND APPLIFICATE HOLDERS') D

11

1	1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GENF & CM)
	2117 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of NPT Certificate Holder)
	(b) Manufactured for : <u>Evesden</u> <u>Morris, Illinios 60450</u>
	(Name and Address of N Certificate Holder for completed nuclear component)
2	2. Identification - Certificate Holder's S/N of Part : (A9674) Nat'l Bd. No. N/A
	(a) Constructed According to Drawing No: <u>768E534G005 Rev 9</u> Dwg. Prepared by <u>D. L. Peterson</u>
	(b) Description of Part Inspected: <u>Control Rod Drive</u> , <u>Model</u> # 7RDB144FG001
	(c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1
3	REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
	RINIQRI M94-00719
	Sheet 1 of 2
	We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
	Date: 02/11/94 Signed GE-NEBG-NF&CM-QA By SCAN Representive)
	Certificate of Authorization Expires: 6/16/96 Certification of Authorization No. : NPT N - 1151
_	Certification of Design for Appurtenance
	Design information on file atGE Company, San Jose, California
	Stress analysis report on file atGE Company. San Jose . California
	DC22A6253 Rev. 1 Design specification certified by <u>Bjorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
	DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
	Certification of Shop Inspection
	I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on
	2// 1994 Lume P Chure NC 1231, Ohio, WC 3686 PA Date National Board, State, Province and No.
	nece A THE hereof a offendate mentant in the first offendation in

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

D94-00556

		10000 (Address) 10000 (Add	Edition, <u>N</u> Edition, <u>N</u>	0_/	Shaot: Unit: D Z (Repair Organization) Middenda, Code Come	3 083 P.O.	36 (3-94- Na., Job Me. es.	026)		
	Name of Component	Name of Manufactorer	Mirs. Social No.	Nat Brd No	Other ED	Yr Ek	Repair, Replaced Or Replacement	Code Stamped Yea/No		
	CONSROL ROD BRIVE	CENCEN EIHIOM	498C	NA	S/N 498C	67	REPLACED	YES		
	CONTROL ROD BRIVE	l			Sh 929		REPLACEMENT	VES		
	C.R.D. FLANE BOITS			M/A	1-8 x 51/3"	7	REPLACED	NO		
	C.R.D. FLANGE ROLTS			NA	1-8×51/2"		REPLACEMENT	No		
			7			1				
						1-				
	7. Description of work: REMOVE AND REPLACE CONTROL ROD DRIVE AND REPLACE CONTROL ROD DRIVE FLANGE BOLTS. 8. Test Conducted: Hydrostatic (*) Presents: [] Nominal Operating Pressure [] Not Applicable [] Test Pressure 1040 paig Test Temperature 200 T 9. Resents: REMOVED AND REPLACED CONTROL ROD DRIVE FLANGE BOLTS. WITH NEW OR NT- LASPECTED BOLTS.									
i										
	We corally that the statements made in the Signed: "Brenden J. Lus (Owner or Owner's Design	ile report are correct and this		EYN R	Conforms to Section (1954)	XI of t	ne ASME Code.			
		Ca	rtificate of Las	pection						
	I, the undersigned, helding a valid constitution of the constitution of the ASM implied, conserving the repeit or replacement of the ASM implied, conserving the repeit or replacement of the ASM implied, conserving the repeit or replacement of the ASM implied, conserving the repeit or prepared does for any personnal injury or prepared does the translation of the ASM implied.	1927 and state to the be E Code. By againg this cor- serest described in this repor- age or a loss of any kind ari-	net of my know diffeste micher of t. Perthermon	indge on the impe	having imposed the d belief, this repair or replace stor nor his employer makes r the impostor nor his employ with this imposton.	(Repair resent he early tree per shall	CACCO EN r or Repineement) ne boss constructo renty, expressed o be liable in any s	d in N		
	Lant				Change Pro	rrines, I	Vational Board)			

FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

by the Frovisions of the ASME Code Rules
1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California (b) Manufactured for General Electric Co., R
(Name and Art USE with reactor pressure
NOTE: Code File 102 782, 929, 934, 967, 979, 1032, 1040
(a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Poterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks: Fabricated and inspected in
code cases no. 1335-2, 1361, and 1352
See sketch -1
See sketch showing configuration and materials used. Hydro tested at 2110 ps;
We certify that the statements made in this report are compatible and the pressure are compatible are compatible are compatible and the pressure are compatible are compatible are compatible are compatible are compatible and the pressure are compatible are c
We certify that the statements made in this report are correct and that all details of material, design, construction, and workgrowthin.
Date January 31, 10 69 Signed General Electric Co. APED By (Ch. 1) 1 1 (f
Corrificate of Authorisation Expuss December 31, 1970
CERTIFICATION OF DESIGN
Design information of the a General Electric C
Design information of tite at General Electric Co., APED, 175 Curtner Ave; San Jose, California
General Electric Co., APED, 175 Curtner Ave: San Inc.
Design specifications certified by W. Schultheis: Prof. Eng. M. E. State Calif Reg. No. Mill58
Prof. Eng M. E. State Calif Reg. No. 13510
CERTIFICATE OF SHOP INSPECTION
I. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspection and State Dept. of Industrial Relations have inspected the State Division of Industrial Sufety
report on
time part in accordance with the ASME Code for the second and relief, the manufactures have
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part is
sociated in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be liable to any manner by any personal injury or property damage or a loss of any hind arising from or connected with this inspection.
Date
Children Can
Inspector's Signature Commissions (676.3) National Bosen or State and No.
or State and No

				 		7 7	
Owner: Commonwealth Edison Con One First National Plaza, C				Date:	_7/	19/93	
				Sheet: 1 Of /			
Plant: Dresden Nuclear Powe R.R. #1, Morris IL.,				Unit:	3	_	
. Work Performed By:	WNER N	lame)		D 20	083	7 (3-94.	-027)
	AME ((ddress)		Repair Organizati	on P.O.	No., Job No. etc.	•
. Identification of System: <u>\$\lambda - 3 C</u>	·	•	5.300	9			
	SEC III , 1965				~	ONE	
	Repair/Replacement 19 <u>89</u>						
			<u>~</u> ,	Addenda, Code Cases		.,,,,,	
. Identification of Components Repaired	i or Replaced and Replacement	Components					
Name of	Name of Manufacturer	Mírs.	Nat	Other	Yr	Repair,	Code
Component		Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
CONTROL ROD BRIVE	C ALMERN EIGHTON	806	N/A	SN 806	69	-	YES
CONTROL ROD DRIVE				SN 8	_	REPLACEMENT	
C.R.D. FLANGE BOLT			N/A	1-8 x 51/2"	UNK	l I	No
C.R.D. FLANGE BOLTS		CODE	N/A	1-8 x 51/2"	UNK	REPLACEMENT	NO
<u> </u>	1			1	1		
. Description of work: <u>REMOUR</u>	C A.IA O(Q) A.C	49 1000		1 10-11 1-10	00	0.000	
ROD DRIVE FLANGE	BOLTS.	CONTRO	<u> </u>	DICINE MOD	/(_ /	LACE CO.	MIKUC
. Test Conducted: Hydrostatic [X]	Pneumatic [] Nominal Op	erating Pressure	()	Not Applicable []			
	040 RJS 8/25/74 HDD psig Test Temper	200	RIO				
. Remarks: REMOVED AN				. 1 10-11 60	مد د د	pac	- 1 /
AND REPLACED 8	EA. CONTROL RO	D BRIV	KO K	LANGE BOLFS	· Wa	ITH NEW	on 1
VT-1 INSPECTED BOI	.75,						
We certify that the statements made in		tificate of Com			- VI of d	La ASME Cada	
R	C	(Repair o	r Repla	cement)	i AI Oi u	ie Asme Code.	
Signed: Brendan J. (Owner or Owner's D	esignee LSI Coo	rdinator	(1)-70), 19 <u>94</u>			
	· · · · · · · · · · · · · · · · · · ·		` 	·			
	Co	ertificate of Ins	pection				
I, the undersigned, holding a valid confusion of the second secon	mmission issued by the Nation	al Board of Boil	er and I	Pressure Vessel Inspectors an	d the Su	te or Province of	
•							
described in this report on 730	. 1977 and state to the b	est of my know	ledge an	d belief, this repair or replac	ement h	as been constructe	-d:-
	ME Code By signing this cer	tificate neither t	he inspe	ctor nor his employee makes	any wa	CERTY CYRTHAG	.u in
implied, concerning the repair or rep	SME Code. By signing this certaconent described in this repo	rt. Furthermore	, neithe	ector nor his employer makes or the inspector nor his emplo	any wa	rranty, expressed	or
	SME Code. By signing this cer lacement described in this repo amage or a loss of any kind ari	rt. Furthermore	neithe	ector nor his employer makes or the inspector nor his emplo	s any was oyer shall	rranty, expressed the liable in any t	or manner

FORM N-2 MANUE ACTURERS PARTIAL DATA REPORT 1075-12 A Part of a Nacionar Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules
1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(b) Manufactured for General TElectric Co. For use with reactor pressure vessel
2. Identification-Manufacturer's Serial No. of Part 102: 8, 51, 78, 106, 107, 134
1. Peterson Deswing Prepared by D. L. Peterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases no :=1335-2;=1561
See-sketch showing configuration and materials used. Hydro tested at 2110 psi
(included) (welded) (included)
17. Attachment
Transpired to the statements made in this report are correct and that all details of material, design, construction, and workmanship of
Abia accessive vestal conferm to the ABME Conferm Nucleus, Vennala.
Date January 15. 19 68 House General Electric Co. APED my / C Terrault
Certificate of Authorization Emphasis December 31, 1970
CERTIFICATION OF DESIGN
Apende of the of the of the state of the sta
Stress analysis report on file at General Electric Co., APED, 175 Curtner Ave; San Jose, California
Design specificus consumer and the state of
Stress analysis report certified by R. L. Chill Prof. Eng. State Cilliferg, No. 13540
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, helding a walld commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State
Of California and employed by Division of Industrial Safety Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data
pport on
this pert in accordance with the ASME Code for Nuclear Vessels. By signing this critificate, neither the inspector nor his employer makes any warranty, expressed or implicit, concerning the part de
seribed in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any
personal injury or preperty damage or a loss of any kind arising from or connected with this inspection.
Date 19 68
Commissions (70) (a linepector's signature Commissions (70) (a linepector's signature National House or Riste and No.
inspector's signalure Antiunat Board or histe and ho.

Owner: Commonwealth	Edison Compa	ny (Name)			Date	7/	19/93	
One First Nation								
	luclear Power S Morris IL., 604					3		
	_		·		D 2083			501
Work Performed By:			ame)			_	No., Job No. etc.	
_		·	Address)					
_		STROL ROS BR			_			
		SEC III. 19 <u>65</u>	<u> </u>					
(b) Edition of Section	ı XI used for Re	epair/Replacement 19 <u>89</u>	Edition, No.	<u>^</u> _^	ddenda, Code Cases	No	INE	
. Identification of Compone	ents Repaired or	Replaced and Replacement	Components					
Name of	****	Name of Manufacturer	Mírs.	Nat	Other	Yr	Repair,	Code
Component		Traine or manufacture.	Serial No.	Brd	ID	Blt	Replaced or	Stamped
	1011	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	" c	No	7.1	1-20	Replacement	Yes/No
		GENERAL FLECTER	· ·	N/A	SN 7455	178		1155
		CENERAL ELECTRIC	679C None	N/A	SN 679C		REPIACEMENT	YES
		GENERAL ELECTRIC	 	N/A	1-8 x 51/2"	WK	REPLACED	No
C.K.D. FLANGE	80275	GENERAL FLECTRIC	HI 52613	NYA	1-8 x 51/2"	ANK	REPLACEMENT	No
				·				
							<u> </u>	
. Description of work: <u>Rob DREVE</u> F.	EMOUE	AND REPLACE	CONTROL	RO.	D DRIVE AND	REF	PLACE CO	NTROL
. Test Conducted: Hydro	- 4	neumatic [] Nominal Ope			Van Applicable ()			
	12	140 RJB 8/25/14	200	RIG	8/25/9 4			
	ressure 10	•	ature + KO	_				
Remarks: X EMOVA	ED AND D 8 EL	REPLACED C	ONTROL D BREN	RO EF	LANGE BOLFS	WI	POSITI	00 10-
AND REPLACE								
AND REPLACE.	160 BOI	, , ,						
AND REPLACE	780 801	,,,						-
AND REPLACES		Cer	tificate of Com					
We certify that the statem	nents made in th	Cer	KERLA	6577	Conforms to Section	n XI of th	ne ASME Code.	
We certify that the statem	nents made in th	Cer	KERLA	6577	Conforms to Section ement) , 19 94	n XI of th	ne ASME Code.	
We certify that the statem	nents made in th	Cer	KERLA	6577	Conforms to Section ement) , 19 94 te)	n XI of th	ne ASME Code.	
We certify that the statem	nents made in th	Cer	KERLA	6577	Conforms to Section ement) , 19 94	n XI of th	ne ASME Code.	
We certify that the statem	nents made in th	Certis report are correct and this My ISI Coop Gnee) (Title	KERLA	Replace 11-16	ement) , 19 94 te)	a XI of th	ne ASME Code.	
We certify that the statem Signed: Brenda (Owner or	nents made in the A. A. Cuss of Owner's Design	Cernis report are correct and this US ISI Coor gnee) (Title Cernission issued by the National	(Repair of Rolle	Replace 11-16 (Da	ement) , 19 94 te)	ed the Sta	its or Province of	
We certify that the statem Signed: Brends (Owner of	nents made in the A. Custon of the Country of the C	Certis report are correct and this LSI Coop gnee) (Titl Certisation issued by the National	(Repair of Repair of Repair of Repair of Repair of Repair of Boile	Replace - (Da Control Contr	ressure Vessel Inspectors ar	d the Sta	ite or Province of	_
We certify that the statem Signed: Brenda (Owner or I, the undersigned, holdin It / No / 9, er described in this report of	nents made in the A. A. Cuss of Owner's Designation of the Communication	Cernis report are correct and this Ly ISI Coop gnee) (Titl Cernission issued by the Nations 1 5 13 ~ 1 / (0 of 1, 19 and state to the be	(Repair of Repair of Inspectificate of Inspectif	Replace	ressure Vessel Inspectors and having inspected the belief, this repair or replace	d the Sta	ite or Province of LACTAM r or Replacement as been constructe	d in
We certify that the statem Signed: Break (Owner or or other property of the statem of	nents made in the A. A. Cuss of Owner's Designation of the ASM repair or replace	Cernis report are correct and this LLY ISI Coop gnee) (Titl Cennission issued by the Nations 1 1 1	(Repair of Repair of Inspectificate of Inspectificate of Inspectificate of Inspectificate neither the Furthermore	Replace -	ressure Yessel Inspectors are having inspected the belief, this repair or replactor nor his employer makes the inspector nor his employer or his employer have the inspector nor his employer have the inspector n	(Repairement has any war	nte or Province of LACTAM r or Replacement as been constructed rranty, expressed	ed in
We certify that the statem Signed: Break (Owner or or other property of the statem of	nents made in the A. Custon of the ASM repair or replace or property damage.	Certis report are correct and this LSI Coop gnee) Certisian issued by the Nations ABA A A CO T, 19 and state to the be E Code. By signing this certement described in this report age or a loss of any kind aris	(Repair or	Replace	ressure Yessel Inspectors are having inspected the belief, this repair or replactor nor his employer makes the inspector nor his employer or his employer have the inspector nor his employer have the inspector n	(Repairement has any war	nte or Province of LACETEM r or Replacement as been constructor ranty, expressed be liable in any	ed in or manner

FORM N-2 MANUFACTURERS PARTIAL DATA REPORT A Part of a Nuclear Vessel Pabricated by One Magulacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules 1. (a) Manufactured by General Electric Co., APED Curtner Ave: San Jose. California For use with reactor pressure yessel 237E179-G3 (Intel®) D. L. Peterson! Control Rod Drive (b) Description of Part Inspected Reperker Rabricated and inspectioned in accordance with Section III and applicable code cases no. 1335-2, 1361, and 1352 "See sketch showing configuration and materials used. Hydro tested at 2110 pmi "(Brief description of service for which vesset part was designed) We certify that the statements made in this report are spreet and that all details of material, design, construction, and war manship Certificate of Authorization Expires ____ December 31. 1967 CERTIFICATION OF DESIGN Resignation of the at General Electric Co., APED, 175 Curtner Ave: San Jose, Callion da analysis report on file at General Electric Co., APED, 175 Curtner Ave; San Jose, Cali jornia Design specifications corning by W. Schultheis Prof. Eng. State Calification 511 38 Stress analysis report certified by R. L. Call Prot. Eng. Sinte Califfee, No. 13 140 CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding is visid commission issued by the Notional Board of Boiler and Pressure Vessel Inspectors and or the locate California and employed by Division of Industrial Safety Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial decay By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part de scribed in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be listle in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Inspector's lignature

and to a rest of the control of the control of the Wark, 18, V. 10017

Work Pr	Dresden Nuclear Power S R.R. #1, Morris IL., 604	50 (Address)	ismo)			: <u>3</u>	- 5 (Plan 3	3 <i>-</i> 94-c
WOIL FE			address)				No., Job No. etc.	
	ation of System: Λ -3 CO.					No	ne	
	Edition of Section XI used for R		· · · · · · · · · · · · · · · · · · ·	<u>'o</u> ,	Addenda, Code Cases	NON	ر پیش	
identilic	ation of Components Repaired o		Components					
	Name of Component	Name of Manufacturer	Mírs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamp Yes/N
ON	TROL ROB BRIJE	GENERAL ELECTRIC	#1	NA	5N # 1	67	REPLACED	YES
CONT	ROL ROD DRIVE	CENERAL ELECTRIC	A9545	NA	SU 49545	74	REPIACEMENT	YES
	D. FLANGE BOLTS		Nonc	N/A	1-8 x 51/2"	UMK	REPLACED	No
	D. FLANGE BOLTS			N/A	1-8 x 51/2"	UNK	REMALIMENS	No
			ļ	-			 	-
Danada	tion of work: <u>REMOUE</u>	DULL DEPLOSE	20-1400	, 00	A NOTIL AND	051	01006 00	. > < 0
Test Co	Test Pressure <u>††</u> a: <u>REMOVED</u> AND REPLACED 8 E/	REPLACED C	RELIE TROL	P T R	6 8/2 5/19 0 DRIVE E	Rom S. W	POSITI IIH NEY	(0) O
9NA VI-1	ify that the statements made in the Mandan J. Car. (Owner or Owner's Desi	Certain Ally IST (200 graes) (Till	rificate of Com • KETLAC (Repair of the Action of the Ac	pliance EME Repla (D	Conforms to Section coment) 2-5, 19 95	on XI of the	he ASME Code.	

RINIORI M94 - 00 719 FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR FART AND APPUBLEMANCES* As required by the Provision of the ASHE Code Rules, Section 111. Tilliumin

	As required by the Provision of the ASHE Code Rules, Section 111, Division
1	. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
	2117 Castle Havne Road. Wilmington, North Carolina 28401 (Name and Address of MPT Certificate Holder)
,	(b) Hanufactured for : Dresden Morris, Illinios 60450
	(Name and Address of M Corvillate Holder for completed nuclear component)
2.	. Identification - Certificate Holder's S/N of Part : (A9545) Nat'l Bd. No. N/A
	(a) Constructed According to Drawing No: 768E534GDD5 Rev 9 Dwg. Prepared by D. L. Pelerson
	(b) Description of Part Inspected: <u>Control Rod Drive</u> . <u>Model # 7RDB144FG001</u>
	(c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1
3.	REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)
	Sheet 1 of 2
	We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 02/11/94 Signed GE-NEBG-NF&CM-QA By SC ON Representive) Certificate of Authorization Expires: 6/16/96 Certification of Authorization No.: NPT N-1151
	Certification of Design for Appurtenance
	Design information on file at
	Stress analysis report on file atGE Company. San Jose. California
	DC22A6253 Rev. 1 Design specification certified by <u>Biorn Hamberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
	DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Callf.</u> Reg. No. <u>M018646</u>
	Certification of Shop Inspection
	I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 12/2, 1992, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any appearant for any personal injury or property democes or a loss of any kind ariging from or

NC 1231. Ohio. WC 3686 PA
National Board, State, Province And No.

connected with this inspection.

2. Plant: Dresden Nuclear Power St. R.R. #1, Morris IL., 6045 3. Work Performed By: S.A. 4. Identification of System: A-3 COM 5. (a) Construction Code ASME (b) Edition of Section XI used for Re	Ro IL, 60690 (Address) (Ad	<i>TVE SYS</i> Edition, N	<u></u>	Sheet: Unit: D 208 Repair Organization ddenda, Code Cases	3 741 n.P.O.	(3-94-0 No., Job No. etc.	<u>041)</u>
6. Identification of Components Repaired or Name of Component			Nat Brd No	Other ID	Yr Bk	Repair, Repiaced or Replacement	Code Stamped Yes/No
CONTROL ROD BRIJE		1		SN A5444	$\overline{}$	REPIACED	YE5
CONTROL ROD DRIVE		I	N/A N/A	SN A9630	1	REPLACEMENT	
C.R.D. FLANGE BOLTS		1	NA	1-8 x 51/3"		REPLACED REPLACEMENT	No
C.K.D. FEANUE BOLLS	GENERAL PLECTRIE	W1#33013		7-8 X 5/2		y(cr/ncemen)	700
	neumatic [] Nominal Op		_ - F	Not Applicable [] S DRIVE FR LANGE BOLTS	w.	POSITI ISH NE	OR
We certify that the statements made in the Signed: Signed: Signed: (Owner or Owner's Design		rtificate of Com s <u>KERACE</u> (Repair of ordinator		Conforms to Section (10 , 19 9 4	XI of t	he ASME Code.	
I, the undersigned, holding a valid community of the Molecular part of the ASM	mission issued by the Nation		er and		/Dame	ie oo Danlann	
accordance with Section XI of the ASM implied, concerning the repair or replace for any personal injury or property dam Date: 3-30-44 Inspector:	ement described in this repo age or a loss of any kind ar	nt. Funthermon	e, neithe nnected	r the i <i>nspector</i> nor his emplo	yer sha	ll be liable in any	manner

As required by the Provision of the ASME Code Rules, Section III, Div. I
1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM
2117 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of NFT Certificate Holder)
(b) Manufactured for : <u>Dresden Morris, Illinios 60450</u> (Name and Address of N Certafficate Holder for completed nuclea: component)
2. Identification - Certificate Holder's S/N of Part : A9630 Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G085 Rev 9 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: Control Rod Drive, Model # 7RDB144FG001
(c) Applicable ASME Code: Section III., Edition <u>1974</u> , Addenda Date <u>W75</u> , Case No. <u>N207 1361-2</u> Class <u>1</u>
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)
Sheet 1 of 2
Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenance is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 02/11/94 Signed GE-NEBG-NF&CM-QA By SCORREPRESENTIVE) Certificate of Authorization Expires: 6/16/96 Certification of Authorization No.: NPT N - 1151
Certification of Design for Appurtenance
Design information on file atGE Company , San Jose , California
Stress analysis report on file at <u>GE Company</u> , San Jose, California
OC22A6253 Rev. 1 Design specification certified by <u>Blorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
Certification of Shop Inspection
I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on

concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS". (07/90)

D94-CD656

B.R. Fl. Merris R., 684 Work Performed By: S.A. Montification of System: A-3 CO. (a) Communities Code ASME (b) Edition of Section XI used for R. Montification of Components Repaired on	NER MARCHARDE MARCHARD MARCHARDE MARCHARDE MARCHARDE MARCHARDE MARCHARDE MARCHARDE MAR	Edition,	0_	D 208 Repair Organism L Address, Code Coses	00 P.O. 1	(3-9 Ne., Job Ne. cc.	14-0
Name of Component	Name of Manufacturer	Mfrs. Sorial No.	Nat Brd No	Other ID	Yr Bh	Repair, Replaced or Replacement	Code Stamp Yes/N
CONTROL ROD BRIJE	GENERAL ELECTRO	78	N/A	SIN 78	68	REPLACED	Y55
CONTROL ROD BRIVE			NA	SN A9339	7	REPLACEMENT	
C.R.D. FLANKE BOLTS		4.	NA	1-8 x 51/5"	UNK	REPLACED	No
C.R.D. FLANGE BOITS		i	MA	1-8×51/2"	אאמ	REPLACEMENT	NO
Description of work: <u>REMOVE</u> ROD DRIVE FLANGE Test Conducted: Hydrostasis M	BOLTS.	oriking Pressure	£]		REI	PLACE CO	NTRO
Tex Present <u> [0</u> Remarks: <u>REMOVED AND</u> AND <u>REPLACED & EX</u> V7-1 INSPECTED BOLT	L CONTROL RO	ONTROL	_ _ Ro	A ARTIC PA	Rom WS	POSETE TH NEW	
	بسيوس سندبست	rtificate of Con	وعممالم				
We certify that the statements made in the Signed: Signed: Signed: Owner or Owder's Designed.	his report are correct and this	REPLACE	Phorpier Replace [1- (De	Conforms to Section Contests (Conforms) (Con	n XI of t	he ASME Code.	
We certify that the statements made in t	his report are correct and this LSL (Correct) (Titl	REPLACE (Repair of Control of Con	r Replac	19 <u>94</u>			

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Fuel & Components Manufacturing (GENF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of NPT Certificate Holder)
(b) Manufactured for : <u>Dresden</u> Morris, Illinios 60450
(Name and Address of N Certificate Holder for completed nuclear component)
2. Identification - Certificate Holder's S/N of Part : (A9339) Nat'l Bd. No. N/A
(a) Constructed According to Drawing No: 768E534G005 Rev 9 Dwg. Prepared by D. L. Peterson
(b) Description of Part Inspected: Control Rod Drive , Model # 7RDB144FG001
(c) Applicable ASME Code: Section III . Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)
Sheet 1 of 2
We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
Date: 02/11/94 Signed GE - NEBG - NF & CM - QA By (NFT Certificate Holder)
Certificate of Authorization Expires: 6/16/96 Certification of Authorization No. : NPT N - 1151
Certification of Design for Appurtenance
Design information on file at <u>GE Company</u> , San Jose, California
Stress analysis report on file at <u>GE Company, San Jose, California</u>
DC22A6253 Rev. 1 Design specification certified by <u>Blorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
Certification of Shop Inspection
I. the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on &//, 1994, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.
Date / Inspector's Signature NC 1231, Ohio, WC 3686 PA National Board, State, Province And No.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

D94-00656

	1. Owner: Commonwealth Edison Companion One First National Plaza, Chica	`			r)ate: _	7/	16/93	
۱.	2. Plant: Dresden Nuclear Power St	•				heet: _			
	R.R. #1, Morris IL., 604					Jnit: _			. 1.2\
	3. Work Performed By: OW.		ame)					7 (3-94-) No., Job No. etc.	043)
		<i>ME</i> (A							
	4. Identification of System: <u>\$\lambda - 3 Con</u>								
	5. (a) Construction Code <u>ASME</u>				Addenda, Code Cases				
	(b) Edition of Section XI used for Re	pair/Replacement 19 <u>07</u>	Edition,	<u> ^</u>	ddenda, Code Cases		NOA	<u> </u>	
	6. Identification of Components Repaired or	Replaced and Replacement	Components						
	Name of Component	Name of Manufacturer	Mírs. Serial No.	Nat Brd No	Other ID		Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
	CONTROL ROB BRIVE	CHAIFRAI FIFETOM	599	N/A	541 599		68	REPLACED	YES
	CONTROL ROD DRIVE	1		· '/.	SU 4.30 4 12 7	777	(10	REPLACEMENT	YES
	C.R.D. FLANGE BOLTS		None	N/A	1-8 x 51/2'	,		REPLACED	NO
	C.R.D. FLANGE BOLTS	GENERAL ELECTRIC	HT 52613	N/A	1-8 x 51/2"		JAK	REPLACEMENT	140
			ļ	ļ					
			\ 				<u> </u>		
	7. Description of work: REMOUE ROD DRIVE FLANGE	AND REPLACE	CONTRO	1 20	D DRIVE A)	<u>UD_</u>	REF	CACE CO.	UTROL
,	9. Remarks: REMOVED AND AND REPLACED & ED	Deumatic [] Nominal Op 040 L/B 8/25/94 Deprise Test Temper REPLACED CONTROL RO	1200 nature 1200	β)3 _•F	8/25/94	FRO	w:	POSITI	on His
		C-	rtificate of Com	nliense		====			
	We certify that the statements made in the Signed: Signed: Signed: Owner or Owner's Desired.	his report are correct and thi	REPLAC	E74 65 or Repla 11-16	Conforms to S	ection ?	CI of th	ne ASME Code.	
		·	ertificate of Ins	pection					
	I, the undersigned, holding a valid com						/D	- o- Danisaa	
	described in this report on $3-30$ accordance with Section XI of the ASM	, 19 99 and state to the b	est of my know	ledge at	nd belief, this repair or	repiace	ment h	as been construct	ed in
	implied, concerning the repair or replace	ement described in this repo	nt. Furthermor	c, neith	er the inspector nor his	employ	er shal	be liable in any	manner
	Date: 3-30-95 Inspector:				ommissions: 1193	رړ2	43	7742 N (15B
	1				(2016)	OF FTO	viinc,	venonsi bostu)	

FORM N-Z MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

Na required by the Florisions of the Astronomy State Halls
1. (a) Manufactured by General Electric Co., R&FMO, 175 Curtner Ave: San Jose, California
(Name and address of Manufactured for General Electric Co. For use with reactor pressure vessel)
3. Identification-Manufacturer's Serial No. of Part 888A,900,906,977,1030,1046,1049,1052,1057,1062,1070,10 NOTE: Code File 102
(a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Potorson
(b) Description of Part Inspected Control Rod Drive
3. Romanton Fabricated and inspected in accordance with Section III and applicable
<u>code cases no. 1335-2, 1361, and 1352</u>
See sketch showing configuration and materials used. Hydro tested at 2110 psi
A CONTRACT OF THE CONTRACT OF
(Brief description of service for which vessel part was designed)
We certify that the statements made in this report are correct and that all details of material, design, construction, and workmanship of this pressure vessel conform to the ASME Code for Nuclear Vessels.
Date March 5, 19 69 Signed General Electric Co. R&FMOny (Manuarchurer)
Market Control of the
Cartificate of Authorization Expires Decomber 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, Californic
Stress analysis report on file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
Peolign specifications certified by W. Schultheis Prof. Eng. M. E. Sinte Califines, No. M11138
Design specifications certified by W. Collul Cite 13 Prof. Eng. Prof. Eng. No. 191 11.10
Stress analysis report certified by R. L. Call Prof. Eng M. E-State Calif Rep. No. 135-i0
CERTIFICATE OF SHOP INSPECTION
The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesset Inspectors and to the State.
California end employed by Division of Industrial Safety
Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's portion die.
report on
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part de
seribed in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be liable in any mar for any
personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Bole
Individue Blandiere Commissione Children Hausi de Brate and the

AND THE PROPERTY OF THE PROPER

1. Owner: Commonwealth Edison Company (Name) One First National Plaza, Chicago IL, 60690 (Address) 2. Plant: Dresden Nuclear Power Station (Name) R.R. #1, Morris IL., 60450 (Address) 3. Work Performed By: OWNER (Name) SAME (Address) 4. Identification of System: 1-3 CONTROL ROL DRIVE SYS. 300 5. (a) Construction Code ASME SEC III, 19 65 Edition, No Addenda, Code Cases No No Code Cases No									
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Bit	Repair, Replaced or Replacement	Code Stamped Yes/No		
CONTROL ROD BRIJE	GENERAL ELECTRIC	1024	NA	SIN 1024	69	REPLACED	Yes		
CONTROL ROD DRIVE			NA	SINA4136	65	REPLACEMENT	YCT		
C.R.D. FLANCE BOLTS	ſ	1	NA	1-8 x 51/3"	N/A	REPLACED	N/ S		
C.R.D. FLANGE BOLTS	GENERAL ELECTRIC	H# 52613	MA	1-8x51/2"	W/A	REPLACEMENT	40		
7. Description of work: REMOVE ROD SRIVE FLANGE 8. Test Conducted: Hydrostatic Property Horizontal Proper	BOLTS. BOLTS. Nominal Op FACILITIES Paig Test Temper REPLACED C	erating Pressure 200 rature ##0	BACILIFIE	Not Applicable []	om		nu 1 -1		
VI-1 INSPRESED BOLTS				CHARL SULL					
•									
Certificate of Compliance We certify that the statements made in this report are correct and this Replacement Conforms to Section XI of the ASME Code. [Repair or Replacement] Signed: Sundan Justy ISI (cordinator II-10 , 19 94 (Owner or Owner's Designee) (Title) (Date)									
Certificate of 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									
Date: 3-30-95 Inspector:	Klainey		Co	mmissions: 1493211 (State of Pr	<u>437</u> ovince, 1	242N(5/ National Board)	<u> </u>		

Sheet 1 of 2

FORM N-2 NPT CERTIFICATE HOLDERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. I

or as hypawise the CORRECTED COPY 1. (a) Massafestured by General Electric Company, Castle Hayne Rd., Wilmington, N.C. (Name and address of NFT Cortificate Holder) DRESDEN 2/3 (b) Manufactured for_ can of Il Carulicate Helder for completed suclear componenti A4136 2. Identification-Certificate Holder's Serial No. of Part Nat'l Bd. No. 768E534G005 D. L. Peterson (a) Constructed According to Drawing No. Drawing Prepared by. Control Rod Drive, Model #7RDB144FG001 (b) Description of Part Inspected. N207 W'75 Case No. 1361-2 Class (c) Applicable ASME Coder Section III, Edition_ Standard part for use with Reactor. Hydrostatically tested at 1825 psi. (Brief description of service (or which compenent was designed) * Total Number of sheets-2 CHANGED CERTIFICATION OF DESIGN FOR APPURTENANCE SPECIFICATION. CORRECTED COPY: We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.) 87 __GE-NEBG-NF&CM-QA Date Signed . (NOT Certificate Holder) Certificate of Authorization Expires June 16, 1997 NPT N-1151 Certificate of Muthorization No. CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Design information on file at. GENEPAL ELECTRIC CO., SAN JOSE, CALIFORNIA Stress analysis report on file at. DC22A6253 Rev. 0 Prof. Eng. State Calif 15570 **BJORN HAABERG** Reg. No. Design specifications certified by_ 23A4920 Rev. 1 Prof. Eng. State Calif M21193 JOHN CARRUTH Reg. No. . Stress analysis report certified by. CERTIFICATE OF SHOP 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 North Carolina and employed by Department of Labor State of North Carolina have inspected the part of a pressure vessel described in this 11/2. 19 8 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. N.C. 723, PA.WC1766, OHIO Commissions Investor's Stansture National Board, State, Province and No.

edupplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 4½11 s. 1417, (2) information in items 1-2 on this bearing in based on each stand, and (1) only about it suffers and stands of about is an order to the E. "Bomarks"

1. Owner	1. Owner: Commonwealth Edison Company (Name) One First National Plaza, Chicago IL, 60690 (Address)								
2. Plant: Dresden Nuclear Power Station (Name)					Sheet: 1 Of /				
2. Plant:	Dresden Nuclear Power S R.R. #1, Morris IL., 60	Unit: _3							
3. Work	Performed By:Ou	INER N	ame)				1 (3-94-	047)	
	SA	me ((ddress)		Repair Organizati	on P.O.	No., Job No. etc.		
4. Identii	fication of System: Λ -3 CO.			.300	<u>7</u> _				
5. (a)	Construction Code ASME	SEC III 19 65	Edition,	<u> </u>	Addenda, Code Cases	(10 m	10		
- (b)	Edition of Section XI used for R	epair/Replacement 19 <u>89</u>	Edition,	<u>. </u>	Addenda, Code Cases	1010	د		
6. Identi	fication of Components Repaired o	r Replaced and Replacement	Components						
		,							
	Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
Con	STROL ROD BRIVE	GENERAL ELECTRIC	6336	NA	S/N 6336	74	REPLACED	408	
Con	TROL ROD DRIVE	CENERAL ELECTRIC	970	NA	SN 970	69	REPLACEMENT	ye5	
	e. D. FLANLE BOITS	T	None	N/A	1-8 x 51/2"	NA	REPLALED	No	
	D. FLANGE BOLTS	· · · · · · · · · · · · · · · · · · ·	HT#526.3	NA	1-8 x 51/2"	W/A	REPIREMENT	NW	
7. Descr	iption of work: <u>REMOUE</u> DRIVE FLANGE	AND REPLACE BOLTS.	CONTRO	RO	B BRIVE AND	REF	PLACE CO.	NTROL	
8. Test (Conducted: Hydrostatic [X] P	neumatic [] Nominal Op	erating Pressure	()	Not Applicable []				
	Test Pressure 10	40 paig Test Temper	nature 200	_ " F					
9. Rema	THE REMOVED AND REPLACED SEL INSPECTED BOLT	A. CONTROL RO	ONTROL D DRIV	RO E F	A ARTHE FRE	WI	POSITION	OR D-1	
	200,000								
					Then W have W Wasting and the control of				
We co	ertify that the statements made in t		tificate of Com Replacen		Conforms to Section	XI of th	ne ASME Code.		
Signe	. Brendan J. Ca	sur Ist (m	(Repair o	r Replac					
	(Owner or Owner's Des	ignee) (Titl		(Di					
<u></u>					and the same of th				
		Ca	ertificate of Ins	pection					
I, the	undersigned, holding a valid com	mission issued by the Nation	al Board of Boil	er and F	ressure Vessel Inspectors an	d the Sta Reel	te or Province of Accinent		
40000	ibed in this report on 3-30	1994 and state to the h	en of my knowl	edge en	d helief, this remain or replac	(Repair	r or Replacement)	— idio	
accon	dance with Section XI of the ASM	E Code. By signing this cer	tificate neither t	he inspe	ctor nor his employer makes	any was	ranty, expressed	DF	
	ed, concerning the repair or replac ny personal injury or property dan	age or a loss of any kind ari				yer mall	DE HADIE IN ANY F	HENNET	
Date:	3-30-95 Inspector:	Klamy		c	mmissions: 16932, 1 (State of Pr	NB7	742 N/S National Board)	13_	
1	·								



FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
(b) Manufactured or General Electric Co. For use with reactor pressure vessel (Name and address of Manufacturer of completed nuclear vessel)
2. Identification-Manufacturer's Serial No. of Part 791, 965, 970, 1055, 1098, 1099, 1104 NOTE: Coce File 102
(a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Peterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases no. 1361
See sketch showing configuration and materials used. Hydro tested at 2110 psi
· ·
(Brief description of service for which vessel part was designed)
We certify that the statements made in this report are correct and that all details of material, design, construction, and will which analog if this pressure vessel conform to the ASME Code for Nuclear Vessels.
Date March 24, 19 69 Signed General Electric Co, R&FMO By Characteristic Co, R&FMO By
Cortificate of Authorization Expires December 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
Stress analysis report on file atGeneral Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
Design specifications certified by W. Schultheis Prof. Eng. M. E. State Califfee, No. M11138
Stress analysis report certified by R. L. Call Prof. Eng M.E. State Callif Reg. No. 1554()
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and one of California and employed by Division of Industrial Safety Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacture a part of the part of my knowledge and better the requirement of the part of my knowledge and better the requirement of the part of the
this part in accordance with the ASME Code for Nuclear Vessels.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied concerning the con-
scribed in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be liable in an amount to be personal injury or preperty damage or a loss of any kind arising from or connected with this inspection.
Date 3-24- 1069 Commissions (2706
m. Silano Commente Car 206

			_					
1. Owner: Commonwealth Edison Company (Name) Date: 11-10-94								
One First National Plaza, Chicago IL, 60690 (Address)					Sheet: 1 Of /			
2. Plant: Dresden Nuclear Power Station (Name) R.R. #1, Morris IL., 60450 (Address) Unit: 3								
 	QWNER	Name)		D 2	393	- こ (3-94-6	018)	
	SAME			Repair Organizati	ion P.O.	No., Job No. etc.		
A Identification of Sustance	N-3 CONTROL ROD DA	•	c 301	7				
	ASME SEC III. 1969				60.00	سر. رو		
	XI used for Repair/Replacement 19 62						_	
				Addenda, Code Cases	KIE			
Identification of Compone	nts Repaired or Replaced and Replacemen	t Components						
Name of	Name of Manufacturer	Mfrs.	Nat	Other	Yr	Repair,	Code	
Component		Serial No.	Brd No	Ю	Bit	Replaced or Replacement	Stamped Yes/No	
CONTROL ROA	BRIVE GENERAL ELECTRIC	588C	N/A	SIN 588C	67	REPIACED	VO	
	DRIVE CENERAL ELECTRIC		MA	SIN A9651		REPLACEMENT		
H .	BOLTS GENERAL ELECTRIC		NA	1-8 x 51/2"	NA	REPLACES	NO	
C.R.D. FLANGE	BOLTS CHUKRAL FLECTRIC	HT# 52613	N/A	1-8 x 51/2"	NA	REPLACEMENT	NO	
7. Description of work: ROD ARTHE FO	EMOUE AND REPLACE	CONTRO	1 20	D BRIVE AND	REF	PLACE CO.	NTROL	
8. Test Conducted: Hydron	static [] Nominal O	perating Pressure	()	Not Applicable []				
Test Pr	ressure 1040 paig Test Temp	enture <u>200</u>	° F					
9. Remarks: REMOVE	ED AND REPLACED	CONTROL	Ro	D DRIVE FR	om	POSITI	on b-	
NT-1 JUSPECTE		OB BRIV	<u> </u>	LANGE BOLFS	WE	TH NEW	OR.	
	,							
	C	ertificate of Com	pliance					
u 2	ents made in this report are correct and th		cnt	Conforms to Section	XI of th	ne ASME Code.		
Signed: 45undar		ordinator	(Da	<u>0</u> , 19 <u>94</u>				
(Owner or	Company Designary) (1)		(5.					
1	(Certificate of Ins	pection					
I, the undersigned, holdin	ng a valid commission issued by the Nationaployed by 115/3/4/60			ressure. Vessel Inspectors an				
	$\frac{3-30}{}$, 1999 and state to the	-			Renais	or Replacement)	d in	
accordance with Section ?	of the ASME Code. By signing this compair or replacement described in this rep	ertificate neither t	he inspe	ctor nor his employer makes	any war	ranty, expressed	or .	
for any personal injury or	property damage or a loss of any kind a				Jui mieli	oo meoic in any t	·=:##Cf	
Date: 3-30-95	Inspector: Mariney		Co	mmissions: 12932 /	<u>YB77</u>	142 NISI	3_	
				(State of Pr	ovince, i	Nauonai Board)		

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES As required by the Provision of the ASME Code Rules, Section III Party Ais

=	
	1. Manufactured & Certified by : <u>General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)</u>
	2117 Castle Hayne Road, Wilmington, North Carolina 28401
	(Name and Address of NPT Certificate Holder)
	(b) Manufactured for : <u>Dresden Morris, Illinios 60450</u> (Name and Address of N Certificate Holder for completed nuclear component)
7	2. Identification - Certificate Holder's S/N of Part : A9651 Nat'l Bd. No. N/A
	(a) Constructed According to Drawing No: 768E534G805 Rev 9 Dwg. Prepared by D. L. Peterson
	(b) Description of Part Inspected: Control Rod Drive . Model # 7RDB144FG001
	(c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. N207 1361-2 Class 1
3	. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
	(Brief description of service for which component was designed)
_	Sheet 1 of 2
	Silect Tul 2
	We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASME Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 02/11/94 Signed GE - NEBG - NF & CM - QA (NPT Certificate Holder)
_	Certificate of Authorization Expires: 6/16/96 Certification of Authorization No. : NPT N - 1151
	Certification of Design for Appurtenance
	Design information on file at <u>GE Company</u> , San Jose, California
	Stress analysis report on file at <u>GE Company, San Jose, California</u>
	OC22A6253 Rev. 1 Design specification certified by <u>Bjorn Haaberg</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>15570</u>
	DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>
	Certification of Shop Inspection
	I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 10/2, 1993, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

*Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

NC 1231, Ohio, WC 3685 PA
National Board, State, Province And No.

1. Owner: Commonwealth Edison Company (Name) One First National Plaza, Chicago IL, 60690 (Address)									
Sheet: _1_ Of _/_									
	2. Plant: Dresden Nuclear Power Station (Name) R.R. #1, Morris IL., 60450 (Address) Unit: 3								
3. Work Performed By: QW	NER	Name)				933 (3-9			
SA	me u	Address)		Repair Organizati	ion P.O.	No., Job No. etc.	,		
4. Identification of System: 1-3 CO									
5. (a) Construction Code ASME									
(b) Edition of Section XI used for Re	epair/Replacement 19 <u>89</u>	_ Edition,	0 1	Addenda, Code Cases	No	~ ~			
6. Identification of Components Repaired or									
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No		
CONTROL ROB BRIJE	GENERAL ELECTRIC	1929	N/A	SN 1929	70	REPLACED	Y 65		
CONTROL ROD DRIVE			1.1/4		1/2	REPLACEMENT	Y157		
C.R.D. FLANCE BOLTS			N/A	1-8 x 51/2"	N/A	1	p.e v		
C.R.D. FLANGE BOLTS		1	7	1-8 x 51/2"	N/A	REPLACEMENT	110		
C18/101 / S777-02	OLI SAME POLOTALE				1				
				 	1				
7. Description of work: <u>REMOVE</u>	NIN PLPINAL	10.170n	, 00	A NOTIL AND	PFL	DIANE CO	2001		
ROD DRIVE FLANGE	BOLTS.	CUNINUL		D DRIVE III	<u> </u>	ZHUE GUI	UIRUL		
8. Test Conducted: Hydrostatic X Pro	neumatic [] Nominal Ope 10 M 11 10 44 The paig Test Temper	erating Pressure	()) > 64k	Not Applicable []					
					קיבר הי	PACTT.	- > Fol		
9. Remarks: REMOVED AND AND REPLACED & EH	CONTROL RO	D BREV.	E F	LANGE BOLFS	WI	SH NEW	OR		
NT-1 INSPECTED BOLTS.									
							=====		
We certify that the statements made in thi		tificate of Com		Conforms to Section	XI of th	e ASME Code.			
Signed: Bunday J. Cus		(Pennis or	Replac	ement)	AI V. L.	· Admid Cour.			
Signed: 1000 (Owner or Owner's Desig	nee) Title	e)	- ((Dat						
	Cer	rtificate of Insp	ection						
I, the undersigned, holding a valid comm	ussion issued by the Nationa	al Board of Boile	r and P	ressure Vessel Inspectors and	i the Stat	te or Province of			
IUINOIS, employed by H	6B17160of	HARTFOR	<u> 12, C</u>	having inspected the	Repla	conent			
described in this report on 3-30-99					ement ha	s been constructed			
accordance with Section XI of the ASME implied, concerning the repair or replaces	ment described in this report	t. Furthermore,	neither	the inspector nor his employ					
for any personal injury or property damag		ing from or con			نوب وسر ر .	747 4//5	٠		
Date: 3-30-43 Inspector:	(kame)		Con	mmissions: 16932/1	//5 /	14 LY (51	<u> </u>		

	bills loved Wenrint	RM N-2: MANUPACTURERS: PARTIAL DATA REPORT partification of the Manufacturer for Another Manufacturer strengthed lights Providual of the ASME Code Rules
	Gener	Al-Electric Core APED 175 Curtner Ave: San Jose, California
	(b) Named ter Gener	Al-Electric Co. APED - For use with reactor pressure vessel.
		102: 597-C 657-C, 673-C, 724-C
	(seed to year)	237E379:63 Diawine Prepared by D. L. Peterson
	Of Booriston of Part Inspector	Control_Rad_Drive
	Fabricated	and inspected lanaccordance with Section III and applicable
Ž.	code cases no. 1335	2. 1361 and 1352
4	See sketch showing	configuration and materials used. Hydro tested at 2110 nsi
		comments, market and Company and committee and Other Designation of the Company o
	order Profesion Contract - Contract of the Nation (Nation States of the	
	and the second s	The bures
	Mond	Thirties The Alley
	We comply that the statemen	INK 9304 to this report are correct and that all details of material design, construction, and workmans to
器	this pressure vessel seniorm to the s	
	Dotober-25,n_	67 Stand General Electric Co. APED 8, W.
	Conditions of Authorizoning Syggings	December 31, 1967

i		eral Electric Co., APED, 175 Curtner Ave; San Jose, California
	المسترح المستر	eral Electric Co., APED, 175 Curtner Ave: San Jose, California
i	Books State County Sagged &	prof Eng Schultheis Prof Eng State Calif Reg. NoM11138
-4	Capters, Rottle & addressor -	
	Strees analysis report contiled by	R. L. Call Prof. Eng State Callf Hee. No. 13540
[^ .		CERTIFICATE OF SHOP INSPECTION
	A STORY	illd commission issued by the listional Bosti of Holler and Pressure Vessel Inspectors and for the State
	Dept. of Industrial Re	and employed by <u>Division of Industrial Safety</u>
1	bedsette water lattered to the second of the	The state of the s
	this part is severience with the ASM	Code for Nuclear Vessels.
; · .	10.300	ither the inspector nor his employer makes any warranty, expressed or implied, concerning the part de- I data report Partherance, neither the inspector nor his employer shall be liable in any monner for any
130 . 14.33 1.33	gereams take y or property demage or	e ions of any kind erining from or connected with this inspection.
	Date	1067 noth!
	make	Commissions [7]
,	inspector's Signati	Notional Hoard or State and No.

DAP 11-18 REVISION 07

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

									
1. Owner: ComEd Company (Name) Date: 9-7-96 One First National Plaza, Chicago IL, 60690 (Address)									
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: 1 Of	2		
6500 North Dresden Road, Morris IL., 60450 (Address) Unit: 3									
3. Work Performed By: Becht		(Name)				<u>PLAN 3-94-052)</u> ation P.O. No., Job No. e	etc.		
	ox 829, Morris, IL 60450								
4. Identification of System:	1200 Reactor Water Cle	an Up							
5. (a) Construction Code L (b) Edition of Section XI	JSAS B31.1.0/ASME Sectured for Repair/Replacer	<u>tion I</u> , 19 <u>67/65</u> nent 19 <u>89</u> Ed	Edition	, <u>NO/W66</u> Addenda, C NO Addenda, Code Cas	ode Cases esN	<u>NONE</u> 416-1			
6. Identification of Components	Repaired or Replaced and	i Replacement Com	ponents						
	· · · · · · · · · · · · · · · · · · ·	, 				,	,		
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No		
3-1201-1 Valve (8" Gate Valve)	Crane Valve	Unknown	N/A	None	N/A	REPLACED	NO		
3-1201-1A Valve (2" Gate Valve)	Crane Valve	Unknown	N/A	None	N/A	REPLACED	NO		
Line 3-12126-2*-A (Includes socket welded fittings and decon flange and associated bolting)	Unknown	Unknown	N/A	None	N/A	REPLACED	NO		
8" Double Disc Gate Valve	Anchor Darling	ET586-1-1	N/A	SI #808C30	1993	REPLACEMENT	NO		
2" Double Disc Gate Valve	Anchor Darling	ET852-3-1	N/A	SI #812C57	1993	REPLACEMENT	NO		
2" Sch. 80 Pipe	Unknown	Heat E26250	N/A	SI #764C93	N/A	REPLACEMENT	NO		
2" 90 Degree Socket Weld Elbows (2 Total)	Unknown	Heat LK2	N/A	SI #558B51	N/A	REPLACEMENT	NO		
2" Socket Weld Tee	Unknown	Heat EC	N/A	SI #764D93	N/A	REPLACEMENT	NO		
7. Description of work: Remove concerns under Moodification M 8. Test Conducted: Hydrostatic	12-3-92-001A. Existing 2	e gate valves and ins 2" bypass line was a Nominal Operating	ilso repla	ced under this modification	on.	ate valves to address Gneri	ic Letter 89-1		
•				mperature 200 °F	•				
9. Remarks: None.	_			_ <u></u>					
									
		Certificate	of Com	nlinge					
We certify that the statements	made in this report are co	rrect and this REPI	LACEM	ENT Conforms to Section	XI of the	ASME Code.	i		
Signed: <u>Bundan</u> (Owner or Own	J. Cusus- news Designee)	ISI COORDINATO (Title)	OR _	9-7 (Date), 19 96					
		Certificate	-						
I, the undersigned, holding a very employed by The Hanford Ste this report on Section XI of the ASME Code repair or replacement described property damage or a loss of a	am and Boiler Insurance a 19 and state to the be By signing this certifica d in this report. Furtherm	and Inspection Co. est of my knowledge te neither the inspectore, neither the inspectore, neither the inspectore.	of Hartfo e and be etor nor pector n	ord, Connectictu having in lief, this repair or replaces his employer makes any v or his employer shall be li	spected the ment has be varranty, e	REPLACEMENT description constructed in accordance en constructed in accordance expressed or implied, concept to the construction of the concept to the construction of the concept to the construction of	ibed in ince with erning the		

Commissions: IL932, NB7742NISB (State or Province, National Board)

ATTACHMENT 1

4 - 18m3

NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

DAP 11-18 REVISION 06

I, Owner: ComEd					Data	. 0.20.05	
	Plaza, Chicago IL., 60690	<i>3</i>				9-30-95	
Plant: <u>Dresden Nuclear Personan</u>	ower Station Road, Morris IL., 60450				Snee	t:1_ Of1 Unit:3_	
			Δ.	' \	NWD D00514	- 	
÷	CHTEL CONSTRUCTORS	20077	,			<u>PLAN 3-94-053</u> ion P.O. No., Job No.	etc.
	HERSBURG, MARYLAND		(Ad	dress)			
•	1200 REACTOR WATER						
(b) Edition of Section XI us	<u>USAS B31.1.0</u> , 19 <u>67</u> F sed for Repair/Replacement 19	89 Edition, NO	Adde		TO		
Identification of Componen	its Repaired or Replaced and Re	eplacement Compo	nents				
		1		T			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd	Other ID	Yr Blt	Repair, Replaced or	Code Stampe
			No		 	Replacement	Yes/N
8" GATE VALVE	ANCHOR DARLING	UNKNOWN	N/A	3-1201-2	N/A	REPLACED	NO
8" GATE VALVE	ANCHOR DARLING	ET 586-2-1	N/A	3-1201-2	93	REPLACEMENT	NO
					·	<u> </u>	╂
		 	\vdash				
		 	-	<u> </u>	-		
	<u>-L</u>	<u> </u>	<u> </u>	<u> </u>			
Description of work: Replac	ted existing 8" gate valve with 8	" double disc gate	valve per	Modification M12-3	-92-001B to addr	ess NRC Generic Letter	r 89-10 cor
Test Conducted:	Hydrostatic [X] Pneuma	tic [] Nomina	l Operati	ng Pressure [] N	ot Applicable []		
	Test Pressure 1040		-	200 °F			
Remarks: None.	TOST T TOSSAID	paig tost temp	cranaro _				
Remarks: None.							
							
					 -		
We certify that the statemen	its made in this report are corre	Certificate oct and this REPL	of Comp	pliance NT Conforms to Sec	tion XI of the AS	SME Code.	
Signed: Brendan	10.	_	-30	1995	•		
	.,,	Title)	(Date)				
				·			
		Certificate	of Insp	ection	 		-=
the undersigned, holding	a valid commission issued by the	ne National Board	of Boiler	and Pressure Vessel	Inspectors and t	he State or Province of	,
116/19/0/4 empl	oyed by The Hartford Steam B	oiler Insurance an	i Inspect	ion Co. of Hartford,	Connecticut havi		
	ith Section XI of the ASME Co	ode. By signing th	is certifi	cate neither the inspe	ctor nor his emp	loyer makes any warra	nty,
	rning the repair or replacement I injury or property damage or						liable in
12 11 6	spector: 4M7	Princel	-	Commissions: IL	-		
17					State or Province,		

. Owner: ComEd One First National Plaza, Chi	icago II 60690			Da	ate: <u>2-</u>	1-96	_
				Sh	leet: <u>1</u>	Of <u>1</u>	
Plant: <u>Dresden Nuclear Power Staio</u> 6500 N. <u>Dresden Road</u> , Mo					τ	Jnit: 3	_
Work Performed By: SAME AS AE	BOVE	(Name)		D14546 (1			
SAME AS AB	OVE	(Address)		Repair O	rganizatio	on P.O. No., Job 1	No. etc.
Identification of System:1500 (L)							
-		ruid NO		Code Corre NO			
(b) Edition of Section XI used for Re		on, NO Adde					•
. Identification of Components Repaire	ed or Replaced and Replacemen	t Components					
Name of	Name of Manufacturer	Mfrs.	Nat	Other	Yr	Repair,	Code
Component		Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stampe Yes/N
12° 300# CHECK VALVE	C&S VALVE CO.	UNKNOWN	N/A	3-1501-63B	N/A	REPLACED	NO
12° 300# CHECK VALVE	C&S VALVE CO.	93-2216-01(Q)-01	N/A	3-1501-63B	1993	REPLACEMENT	NO
1 1/4°-7 A-193 Grade B7 Studs	UNKNOWN	N/A	N/A	N/A	N/A	REPLACED	NO
1 1/6"-7 A-193 Grade B7 Studs	UNKNOWN	N/A	N/A	SI #760G56	N/A	REPLACEMENT	NO
11/6" A-194 Grade 2H Heavy Hex Nuts	UNKNOWN	N/A	N/A	N/A	N/A	REPLACED	NO
11/4" A-194 Grade 2H Heavy Hex Nuts	UNKNOWN	HEAT 16489	N/A	SI #764D55	N/A	REPLACEMENT	NO
•	e flange stifferners. tatic [] Pneumatic [] N	ominal Operating	Pressur	e [X] Not Applicable		Change 1-12-3-24	
Remarks: Replaced exsiting check va	live per Plant Change P12-3-94	-205.					
	Conf	ificate of Compl	iance				 -
We certify that the statements made in				forms to Section XI of the	e ASME (Code.	
Simul Breadon 1	usey ISI Coordinator		, 19 9	6			
Signed: Drendan ().	signee (Title)	(Date)					
(Owner or Owner's De							
	Cer	tificate of Inspec	tion				

Date: 749-96 Inspector: JAM / Kinkel

Commissions: IL932, NB7742NISB

(State or Province, National Board)

1. Owner: Commonwealth Edison Compa One First National Plaza, Chic		n)				24-94	-
2. Plant: Dresden Nuclear Power S R.R. #1, Morris IL 604	Station (Name) 450 (Address)			Unit	in: _3		
3. Work Performed By: BELLYTEL C				3-94-056 Repair Organizat			<u></u>
4. Identification of System: \\ \(\lambda \) (00 (14) 5. (a) Construction Code As The S	100 (0RE SPRA 6-24-94 XL (1955), 198	44) Fedition, 6	TH _A		Noi		
(b) Edition of Section XI used for Re 6. Identification of Components Repaired or	Lepair/Replacement 19_0	7 Edition, 1	10 Ad	idends, Code Cases	NONE		
Name of Component	Name of Manufacturer	Mírs. Serial No.	Nat Brd No	Other ID	Yr Bk	Repair, Replaced or Replacement	Code Stamped Yes/No
PENETRATION X-149B	NA	NA	NA	NA	上	REPAR	No
WARD BUILD ON 12" I BEAM			\Box		I		
							
		 	+-+		+	 	
 		 	+-+	•	+		
7. Description of work: WELD R STEEL OF PENETRATIO	EIN FORCEME N X-1498 /12	ENT OF	FLUE m ac	D HEAD AND	ttrR 5)	STRUCTI	URAL
8. Test Conducted: Hydrostatic [] Pne	rumatic [] Nominal Ope	erating Pressure	[] Nor	ox Applicable	-		
•	paig Test Tempera	sture	_ "				
9. Remerks: 17-3/4 EXAM	PERFORMED						
Flued head support had to assembly, support was return	oned to design a	rially to	2 CCOM	nmodate installa: y 8-3-45	tion 1	of now be	4lows
We certify that the statements made in this				Conforms to Section >	XI of the	ASME Code.	,
Signod: Bundan J. Chs	ug ISI Coor	Repair or dinztar f	Replacement	ka)			
(Owner or Owner's Design	nee) (Title)		(Detc)				
1		rtificate of Inspe					
I, the undersigned, holding a valid compus	ssion issued by the National	Board of Boiler	and Press	having inspected the	be Stole Repa	or Province of	_
described in this report on 9-4	19 / and state to the best	st of my knowled	dge and bel	lief, this repair or replacem	ment has b	been constructed i	in
accordance with Section XI of the ASME (implied, concerning the repair or replacem	nent described in this report.	. Furthermore, s	neither the	inspector nor his employer	•		
for any personal injury or property damage	or a loss of any kind eramin) ^		•	- <i>\</i>	10 1747 X	IKR
Date: 7 7 Inspector: 8-4-95 M 8-) 95	LING / For	in g	Conuis-	(State or Provi	jace, Nai	tional Board)	20

Owner: Commonwealth Edison Compa One First National Plaza, Chic		.		Date:	<u>6-</u>	21-94	
2. Plant: Dresden Nuclear Power S		,			_	or <u>l</u>	
R.R. #1, Morris IL., 604	(Address)				<u>3</u>		
3. Work Performed By: BECH		-		D08405/P			
P. <u>o.Box</u> 829	MORRIS,TL	Address)		Repair Organization	3-92	4-057	i .
4. Identification of System: 1000	SHUT DOWN	1 C00L	-1/1	<u>s</u>			
5. (a) Construction Code	<u>C</u>	_ Edition, <u>lo</u>	<u>, </u>	Addenda, Code Cases	140	NE	
(b) Edition of Section XI used for Re	epair/Replacement 19 <u>89</u>	Edition,	<u>'O</u> 1	Addenda, Code Cases	NO	NE	
6. Identification of Components Repaired or	Replaced and Replacement	Components					
		T	T.,	T .	Τ	<u> </u>	
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd	Other ID	Yr Blt	Repair, Replaced or	Code Stamped
3/ "0 0022-10-11 01 0-1	N/A	770)00	No No	m92-04701	1.6	Replacement	Yes/No
34"CARBONSTEEL PLATE	N/A	770,000	7	492-02772 1192-02772	, ,	REPLACED REPLACED	NO
1/8"HEAUY HEX NUT 5x5x 1/2"TUBE STEEL	N/A	797 <u>A19</u> 793698	NA	M94-00435	7	REPLACED	NO.
1 1/8" & BOLTS	~/A	800ASZ	1	1394-00518 1294-00657		REPLACED	N0 N0
I IO W DULIS		000730	10/17	T7 44-90 238	12:5	NEILALES	100
			 				
7. Description of work: FLVE) UFAD A	ALC HOE	> V -	·IIIA SUPP	COT	mFiniZ.	cDC
7. Description of work: FLUES Support was modified in	order to install	new be	llan?	Assembly.	<u> </u>	1110111	
8. Test Conducted: Hydrostatic [] Pnc	umatic [] Nominal Ope	rating Pressure	[] 1	fot Applicable			
Test Pressure		ature		,			
9. Remarks: THE ABOUE	MATERIAL W	JAS RE	CON	CILED WITH	REF	ERENÇE	
AND THE CECO	COFC.	CIFIC.41	-/0N	, MATERIAL R	E 🗀 /	EPT DOCK	TUNT
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
	Cart	ificate of Comp	liones				
We certify that the statements made in this		Replacem	rent	Conforms to Section X	I of the	ASME Code.	
Signed: Brendan J. Cas	ey ISI Car	(Repair or	7-28	3,19 <u>95</u>			
(Owner or Owner's Design	eo) (Title))	(Date	:)			
	Cen	tificate of Inspe	ction				
I, the undersigned, holding a valid commi	ssion issued by the National	Board of Boiler	and Pre	assure Yessel Inspectors and th	e State	or Province of	
							.
described in this report on 7-7-3 accordance with Section XI of the ASME				belief, this repair or replaceme	ent has	been constructed i	in.
implied, concerning the repair or replacem for any personal injury or property damage	ent described in this report.	Furthermore,	neither t	he inspector nor his employer			nner
Date: 7. 15 Inspector:				nissions: <u>16.432 , 184</u>	7775	2) N/5,3	
Date: / / / Inspector: //	1 17 / 1/200000		com	(State or Provin	ce, Nai	tional Board)	

	As Required by the			Code Section XI	WR#	05348	REVISK)
. Owner: Commonwealth Edison Compar One First National Plaza, Chica	ny (Name)				Date:		-
. Plant: Dresden Nuclear Power Su R.R. #1, Morris IL., 6045	ation (Name)				Sheet: 1 Unit: 3		
. Work Performed By:OWNER		Name) Address)		3 -9 4-0: Repair Orga		D 05348	
Identification of System: 1500	/ccsw		7.		.144		
(a) Construction Code 331 (b) Edition of Section XI used for Repulsed on Identification of Components Required on Identification Code 1888 (Identification Code 1888)	pair/Replacement 19 <u>84</u>	_ Edition,N					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Cod Stamp
34-10 X214 CAP SCREWS	UN Krown	HONE	HA	A+193	HIM	REPLACED	20
1-1012 W CAR SCREWS	UN KHOWN	HONE	NA	H-193	14	REPLACEMENT	N/C
4-10 THREADID ROD	HADAN WN	NONE	1111	A143	NA.	REPLACED	20
34-10 THREADED ROD	UN KNOWN	NONE	MA	A197	NA	REPLACEMENT	~0
745-10 NUTS	UN AMOUN.	NONE	γA	ATTA	VA	REPLACED	ڪئم −
34.10 MMS	UNKNOWO	MONE	NA.	A 144	NA	REPLACEMENT	20
Test Pressure N/A Remarks: Replaced existing ith Minor Plant Change	P12-3-93-617, nstalling and su	SCROWS W Existing of the control of	er we lone	Studs and he can't were replaced to Seperator. Conforms to Section	ed with	langer s	dance
Signed: Bundon J. Cases (Owner or Owner's Designed	LSI Coope		Replacer B-22 (Date	. 19 94			
	_	ificate of Inspe					

Commissions: 16932 NB 7142 N 15B (State or Province, National Board)

DOCUMENT NO. 18

Owner: Commonwealth Edison Com One First National Plaza, Ch	pany (Name)	WH# 0	53	5 1 Da	le:7	-15-94	•
2. Plant: Dresden Nuclear Power	·	,			et: _1_ it:		
3. Work Performed By:	2bove (NWR DOS No., Job No. etc	
4. Identification of System: 3-D (5. (a) Construction Code /3 3/.	ccsw Pump	1500545			NON	e	
(b) Edition of Section XI used for I				ddenda, Code Cases			
6. Identification of Components Repaired	or Replaced and Replacement	Components	Ţ ≂₽Ţ			,	
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
34-10 x234 Cap SCREWS	CENTROUN	mane	N/A	A-193	NA	REPLACED	٥٦٨
74-10-1274 tacked (Dd Car Schems) 14-10-1274 Car Schems 154 8224	UNKNOWN	NONE	NA	A-193	NH	RETIREDANT	ט עק
3/4-10 Hex Nut	Unknown	NA	N/A	None	NA	Replacement	NO
					+-		
7. Description of work: REPLACE	EXITING BOLT	TIME WI	TH Y	IEW	<u></u>		
• • • • • • • • • • • • • • • • • • • •	A paig Test Tempera		_ • F	× Applicable []	in :	accordance	with
Minor Plant Change P12-3	3-93-620						
We certify that the statements made in the Signed: Bundan J. Case. (Owner or Owner's Design	is report are correct and this	(Repair or	<u>.t.</u>		XI of the	ASME Code.	
	Cert	tificate of Inspe	ctioa				
I, the undersigned, holding a valid community of the undersigned, holding a valid community of the undersigned by #2 described in this report on2-2- accordance with Section XI of the ASME implied, concerning the repair or replaces for any personal injury or property damage.	of /	of my knowled icate neither the Furthermore, s	ge and be inspector wither the	having inspected the lief, this repair or replace; nor his employer makes a inspector nor his employe	Replace (Repair of ment has in	ement r Replacement) been constructed inty, expressed or	1
Date: 2-2-95 Inspector:				ssions: 12 932 M (State of Prov	<i>G 774</i> ince, Nat	ONISTS	

1. Owner: ComEd Compa One First Nati	any (Name) ional Plaza, Chicago IL, 6069	(Address)		E	oate: <u>6-6</u>		
2. Plant: Dresden N	Nuclear Power Station Dresden Road, Morris IL., 6	(Name)				Sheet: <u>1</u> Of	
	echtel Constructors	· ·				PLAN 3-94-065)	
<u>Ga</u>	ithersberg, MD 20877	(Address)		Ke	pair Organiz	ation P.O. No., Job No.	etc.
4. Identification of System:	0205 Reactor Head Spray	<u></u>					
5. (a) Construction Cod (b) Edition of Section	le <u>USAS B31.1.0</u> n XI used for Repair/Replacen	, 19 <u>67</u> Editio	n, <u>NO</u>	Addenda, Code Cas O Addenda, Code Cas	es <u>NONE</u>	16-1	
• •	ents Repaired or Replaced and						
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
21/2" Gate Valve	Crane Valve	Unknown	N/A	2-0205-24	N/A	Replaced	NO
2½" Gate Valve	Anchor/Darling	ET-802-5-2	N/A	SI #813H26	1994	Replacement	NO
rate leakage that exceeded ac 8. Test Conducted: Hydro	static [] Pneumatic []	Nominal Operating	Pressure			Idress Generic Letter 89-	10 and local le
							
Signed: Brenda	ents made in this report are con		ACEMI	apliance ENT Conforms to Section (6-6, 1996) (Date)		ASME Code.	
		Certificat	e of Ins	ection			
employed by The Hartford this report on 6 -/2 Section XI of the ASME of repair or replacement descriptoperty damage or a loss	g a valid commission issued by a Steam and Boiler Insurance a 1976 and state to the becode. By signing this certification in this report. Furtherm of any kind arising from or complete the state of the	by the National Board and Inspection Co. o est of my knowledge ate neither the inspec more, neither the inspec	of Boile f Hartfor and beli tor nor h	or and Pressure Vessel In d. Connectictu having in ef, this repair or replace his employer makes any r his employer shall be l	ispected the ment has bec warranty, ex iable in any	REPLACEMENT descr en constructed in accorda pressed or implied, conce	ibed in nce with erning the

. Owner. Company	/(Name)		. I	Date: <u>5-1</u>	4-96	
	al Plaza, Chicago IL, 6					Sheet: 1 Of	1_
. Plant: Dresden Nuc 6500 North D	clear Power Station resden Road, Morris II	(Name) <u> 60450 </u> (Addre	ss)			Unit:3	_
. Work Performed By: <u>Bech</u>	itel Constructors	(Name)				PLAN 3-94-066)	
_ P.O.	Box 829 Morris, IL	60450 (Address)		Re	pair Organiz	ation P.O. No., Job No.	etc.
. Identification of System:	0263 Reactor Vessel	Water Level Instrur	nentation				
. (a) Construction Code	USAS B31.1.0	19 <u>.67</u> E	dition, _	NO Addenda, Code Cas	es <u>NONE</u>		
				NO Addenda, Code Cas	ses <u>N</u> -2		
. Identification of Component	s Repaired of Replaced	and Replacement C	omponen	us			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stampe Yes/No
2" X 1" 3000# SA182 Grade F304 Reducing Coupling	Unknown	Unknown	N/A	None	N/A	Replaced	No
2" X 1" 3000# SA182 Grade F304 Reducing Coupling	Alloy Stainless Products	Heat HGK	N/A	None	N/A	Replacement	No
	<u> </u>		<u> </u>				.
Description of work: <u>Repairs to the Repairs of the</u>	placed existing 2" X 1	" reducing coupling	under	Modification M12-3-89-004/	A for the "A	a" loop of the reactor v	essel water
Test Conducted: Hydrosta	tic [] Pneumatic [] Nominal Oper	ating Pre	ssure [X] Not Applicable	:[]		
	Test Press	ure <u>1040</u> psi	g Test	Temperature 200 °F			
Remarks: None,						· · · · · · · · · · · · · · · · · · ·	
							-
	 						
We certify that the statement	s made in this report ar			Compliance EMENT Conforms to Sectio	n XI of the	ASME Code.	
Signed: Brendar	A. Casey	ISI COORDIN	ATOR	5-17 . 19 96			
(Owner or O	wner's Designee)	(Title)		(Date)			
		Certi	ficate of	Inspection			
I, the undersigned, holding a employed by The Hartford S this report on Section XI of the ASME Corepair or replacement describ property damage or a loss of	team and Boiler Insurar , 19 and state to the de. By signing this cer- bed in this report. Furth	ice and Inspection C te best of my knowl dificate neither the intermore, neither the	lo. of Ha edge and aspector to inspecto	rtford, Connectictu having in belief, this repair or replace nor his employer makes any r nor his employer shall be l	nspected the ment has be warranty, ex	REPLACEMENT described constructed in accordance appressed or implied, conc	ibed in nce with erning the
Date: $\frac{3}{3}$ $\frac{3}{3}$ Ins	pector: Lun	1 / lain	cit	Commissions:I_		2NISB ovince, National Board)	

	(Name al Plaza, Chicago IL, 6) 60690 (Address)			Date:5-1	4-96	
2. Plant:						Sheet: _1_ Of Unit:3	
B. Work Performed By: <u>Becht</u> P.O.	Box 829 Morris, IL					PLAN 3-94-067) Lation P.O. No., Job No.	etc.
Identification of System: Construction Code	USAS B31.1.0	. 19 671	Edition.	NO Addenda, Code Ca	ases <u>NONE</u>		
(b) Edition of Section X. i. Identification of Components				NO Addenda, Code Cots	ases <u>N</u> -	1 16-1	
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stampe Yes/N
2" X 1" 3000# SA182 Grade F304 Reducing Coupling	Unknown	Unknown	N/A	None	N/A	Replaced	No
2" X 1" 3000# SA182 Grade F304 Reducing Coupling	Alloy Stainless Products	Heat HGK	N/A	None	N/A	Replacement	No
			-		-		
. Description of work: Rep istrumentation modification. . Test Conducted: Hydrostati	ic [] Pneumatic [J Nominal Oper	rating Pre	Modification M12-3-89-002 ssure [X] Not Applicab t Temperature200°F		3" loop of the reactor v	essel water
. Remarks: <u>None</u> ,							
We certify that the statements Signed: Bundan	s made in this report a	Certi	ificate of REPLAC	Compliance EMENT Conforms to Secti	_	ASME Code.	
Signed: Brendan	s made in this report a	Certifice correct and this I ISI COORDIN (Title)	ificate of REPLACI	Compliance EMENT Conforms to Secti	_	ASME Code.	

							
1. Owner: Commonwealth Edison Componer: One First National Plaza, Chi)				-10-94	
2. Plant: Dresden Nuclear Power R.R. #1, Morris IL., 60	Station (Name)				:: <u>1</u>	of <u> </u>	
3. Work Performed By: OWNER	-	Name)		D24111		 5-94-069)
Same	·	•		Repair Organizat			
4. Identification of System: 1300	,	Address)					
5. (a) Construction Code ASME	_		lo	Addenda, Code Cases	Non	C	
(b) Edition of Section XI used for R			_		Non	.c	
6. Identification of Components Repaired o	r Replaced and Replacement	Components					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
3-1302 Isolation	Struthers Wells	66-2-5637-2	N/A	None	1967	Repair	No
Condenser Internal			1-44				
Support (Welded to	<u> </u>		12877				
Vessel Shell)					<u> </u>		
7. Description of work: Weld repair 15 not Section XI, Suppor	internal support		isol	ation condenser y	csscl	. Support	itself
8. Test Conducted: Hydrostatic [] Pn	eumatic [] Nominal Ope	erating Pressure	Ми	ot Applicable []			
Test Pressure	A psig Test Tempers	ature N/A	_°F				
•				ed with maunch	. pa	cticle, rem	uelded
9. Remarks: Existing cracked and reexamined with m but does not see any pros	ragnetic particle.	Vessel w atmospher	as it	aspected during ve	ssel	VT-2 on 7-	1-94,
DUI GOES NOT SEE ANY PIES	SUIC DINGT THAN	armospha	IL PIC				
	Cert	ificate of Comp	liance				
We certify that the statements made in thi	•	(Repair or	Replacer	Conforms to Section >	I of the	ASME Code.	
Signed: Delada . Cax (Owner or Owner's Desig	Sey ISI Coord	linator	1-4 (Date)	, 19 <u>95_</u>			
(Owner of Owner's Desig	neety (Title	, 	(Date)				
	Cer	tificate of Inspe	ection	•			
I, the undersigned, holding a valid committee of the semployed by from the semployed by the se	ission issued by the National	Board of Boiler	and Pres	ssure Vessel Inspectors and the	ne State Ropi	or Province of	-
described in this report on 2-30-73	7, 19 and state to the bes	t of my knowled	ige and b	elief, this repair or replacem	ent has	been constructed i	in
accordance with Section XI of the ASME implied, concerning the repair or replacer for any personal injury or property damage	nent described in this report.	Furthermore,	neither th	e inspector nor his employer	-		nner
Date: <u>3-30-44</u> Inspector:	·	_		uissions: 14932/	<u> </u>	142N15B	<u>, </u>
	-			(State or Provi	nce, Nat	ional Board)	

FORM N-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS. As required by the Provisions of the ASME Code Rules

1. Manufactured by _	670						
	SINUI	HERS WEI	LS CORPOR	IATION,	Warren, I	Pa.	
2. Manufactured for _	General	Electric			•	inois	
							9 4
3. Type Horiz	Kind Ht. E	XChVensel (Xilent Ex.)	No. (66-2-	0637-72) =[No.) (State & Sta	Nat'l Bd. (No. <u>12877</u>	Yr. Built <u>1967</u>
kems 4-8 incl. to he o	completed for m	inslexedikx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	axtinantar	exixxxx shells o	theat exchar	igers.
Fbx 4. Shell: Material 5. (Kind & Sp.	A-285-C T.S	55,000	Nominal Thickness peculed)	in. Allowanc	.100 Diam 12	t . Oin. Leng	th 42 ft. 5-5/1
5. Seams: Long Db.	1. Butt	н.т.	<u>No</u>	X.R	Spot	Efficiency.	.85 (V Class B)
Girth Db	l. Butt	н.т.¹ _	No	X.R	Spot	No. of Cour	ses <u>3</u>
6. Heads (a) Material	Fbx 285-	<u>С</u> т.s.	55,000	(b) Material		T.S	
Location (Top, bottom, ends)		Radius R	edius Re	tical Conical tio Apex Angl	e Radius		Side to Press.
(a) Ends			<u>8-3/4</u>		· · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·	Concave
If removable, bolts					Other fastening	Welded 1	Double Butt
,	(Mat	erial, Spec. N	o., T.S., Size,	Number)	_	(Describe or	ettech sketch)
7. Jacket Closure				etc. If her give dim			
	External						
stems 9 and 10 to be co	ompleted for tu	F.S. 18:	2 Fl Diam.	33 in.	Thickness 4-	3/4 in. Atta	chment Integr
stems 9 and 10 to be co	ompleted for tu	F.S. 18:	2 Fl Diam.	33 in.	Thickness 4-	3/4 in. Atta	chment Integr
9. Tube Sheets: Station Float We ld	ompleted for tue onary. Material ing. Material	F.S. 182 (Kind & Spec.	2 F1 Diam. No.) Diam.	33 in.	Thickness_4-	3/4 in. Atta	chment Integr (Welded, Balted
stems 9 and 10 to be co	ompleted for tue onary. Material ing. Material	F.S. 182 (Kind & Spec.	2 F1 Diam. No.) Diam.	33 in.	Thickness_4-	3/4 in. Atta	chment Integr (Welded, Balted
9. Tube Sheets: Station Float Weld 10. Tubes: Material SA	ompleted for tu onary. Material ing. Material ed Stl. -249-304.D. d & Spec. No.)	F-5. 18: (Kind & Spec. (Kind & Spec. 1 in.	2 F1 Diam. No.) Diam. No.) O49 Thickness.	33 in.	Thickness 4- Thickness Number	3/4 in. Atta in. Atta er121T;	chment Integr (Welded, Balted
9. Tube Sheets: Station Float Weld 10. Tubes: Material SA Kim	ompleted for tu onary. Material ing. Material ed Stl. -249-304.D d & Spec. No.)	F.S. 18: (Kind & Spec. (Kind & Spec 1 in.	Diam. No.) Diam. No.) Diam. Thickness.	33 in. in. 9/-083 inches or gage	ThicknessNumber	3/4 in. Atta in. Atta er 121Ty exchangers.	chment Integr (Welded, Balted chment
9. Tube Sheets: Station Float Weld 10. Tubes: Material SA (Kin	ing. Material ed Stl. (-249-304.D) be completed for the completed for the completed for the complete for the	(Kind & Spec. (Kind & Spec.	Diam. No.) Diam. No.) Diam. No.) No.) No.) No.) No.	33 in. in. 9/-083 inches or gage	ThicknessNumber annels of hear elements of hear ele	3/4 in. Attain. Atta er121Ty exchangers 3 ft. 5	chment Integrated (Welded, Bolted) chment
Float Weld 10. Tubes: Material SA [Kind] [Kind] [Kind] [Kind] [Kind] [Kind] [Kind] [Kind]	ompleted for turbonary. Material ing. Material ed Stl249-304.D. da Spec. No.) be completed for turbonary. Material ed Stl249-304.D. da Spec. No.) be completed for turbonary. Material ed Stl182-Fl Table. No.)	F.S. 18: (Kind & Spec. (Kind & Spec. 1 in. or XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Diam. No.) Diam. No.) O40 Thickness. Nominal Thickness epectried) Yes (Yes or No)	in.	ThicknessNumber hannels of hear elements NoE	3/4 in. Atta in. Atta er 121 T; exchangers. 3 ft. 5	chment Integrated (Welded, Bolted) chment
Float Weld 10. Tubes: Material SA Items 11 to 14 incl. to F.S. SI1. Shell: Material SA (Kind) 12. Seams: Long Girth F.S.	ompleted for turnary. Material ing. Material ed Stl249-304.D. da Spec. No.) be completed for the completed for the completed for the complete for the compl	F. 5. 18: (Kind & Spec.) (Kind & Spec.) 1 in. or XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Diam. No.) Diam. No.) Olam. Thickness. Nominal Thickness specified) Yes (Yes or No)	33 in. in. 2/.083 inches or gage EXMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ThicknessNumber thannels of hear end on a 100 ancein. Diam	3/4 in. Atta in. Atta er 121 Ty exchangers. 3 ft. 5	chment Integr (Welded, Bolted) chment pe U-Tube (Straight or U) in. Length 2 ft.6
Float Weld 10. Tubes: Material SA (Kind) Items 11 to 14 incl. to F.S. (SI1. Shell: Material SA (Kind) 12. Seams: Long Girth F.S. 13. Heads: (a) Material	ompleted for turnary. Material ing. Material ed Stl249-304.D. da Spec. No.) be completed for turnary to the completed for the completed for the complete for	(Kind & Spec. (Kind & Spec. 1 in. or XXXXXXXX S. 70,000 (Min. of range H.T. H.T. S. 70,000	Diam. No.) Diam. No.) Diam. No.) Old Thickness. Nominal Thicknes specified) Yes (Yes or No)	33 in. p/.083 inches or gage exxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Thickness_4- ThicknessNumber Number Number No	3/4 in. Atta in. Atta er 121 Ty exchangers. 3 ft. 5 ifficiency io. of Course laterial Flat	chment Integrated (Welded, Bolted) chment
Float Weld 10. Tubes: Material SA (Kind) 12. Seams: Long Girth F.S. 13. Heads: (a) Material Location	ompleted for turnary. Material ing. Material ed Stl249-304.D. da Spec. No.) be completed for the completed for the completed for the complete for the compl	Kind & Spec. (Kind & Spec. 1 in. or XXXXXXXXX S. 70,000 (Min. of range H.T. H.T. F.S. 70,000 Frewn Knuedius Rec	Diam. No.) Diam. No.) Diam. No.) Thickness. CHEMICAL XXXX Nominal Thickness epeculied) Yes (Yes or No) O (b) Material Ellipti flue Reti	33 in. p/.083 inches or gage exxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Thickness_4- ThicknessNumber hannels of hear elements hannels of h	3/4 in. Atta in. Atta er 121 Ty exchangers. 3 ft. 5 ifficiency io. of Course laterial Flat	in. Length 2 ft. 6
Float Weld 10. Tubes: Material SA (Kind) Items 11 to 14 incl. to F.S. (SI1. Shell: Material SA (Kind) 12. Seams: Long Girth F.S. 13. Heads: (a) Material	ompleted for turnary. Material ing. Material ed Stl249-304.D. da Spec. No.) be completed for the completed for the completed for the complete for the compl	Kind & Spec. (Kind & Spec. 1 in. or XXXXXXXXX S. 70,000 (Min. of range H.T. H.T. F.S. 70,000 Frewn Knuedius Rec	Diam. No.) Diam. No.) Diam. No.) Thickness. CHEMICAL XXXX Nominal Thickness epeculied) Yes (Yes or No) O (b) Material Ellipti flue Reti	33 in. in. in. in. in. in. in. in.	Thickness_4- ThicknessNumber hannels of hear elements hannels of h	3/4 in. Atta in. Atta er 121 Ty exchangers. 3 ft. 5 Efficiency lo. of Course laterial Plat Diameter	chment Integrated (Weided, Boited) chment
Float Weld 10. Tubes: Material SA (Kind) 12. Seams: Long Girth F.S. 13. Heads: (a) Material Location (b) Channel (c) Floating	ompleted for turnary. Material ing. Material ed Stl., -249-304.D. da Spec. No.) be completed for the completed for the completed for the complete for the compl	Kind & Spec. (Kind & Spec. (Kind & Spec. 1 in. or XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Diam. No.) Diam. No.) Diam. No.) Thickness. CHECKERS (ACC) Nominal Thickness specified) Yes (Yes or No) O (b) Material Filipti Sine Rati	33 in. placet to press.) in. placet to press.) in. placet to press.) in. Corros s_4 in. Allowe X.R. X.R. X.R. Collower Apex Angle	Thickness_4- ThicknessNumber hannels of hear elements of hear elemen	3/4 in. Atta in. Atta er121Ty exchangers. 3 ft5 Efficiency fo. of Course laterial Flat Diameter 40-1/2	chment Integrated (Weided, Bolted) chment
Float Weld 10. Tubes: Material SA (Kind) 12. Seams: Long Girth F.S. 13. Heads: (a) Material Lecation (b) Channel	ompleted for turnary. Material ing. Material ed Stl., -249-304.D. da Spec. No.) be completed for the completed for the completed for the complete for the compl	Kind & Spec. (Kind & Spec. (Kind & Spec. 1 in. or XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Diam. No.) Diam. No.) Diam. No.) Thickness. CHECKERS (ACC) Nominal Thickness specified) Yes (Yes or No) O (b) Material Filipti Sine Rati	33 in. placet to press.) in. placet to press.) in. placet to press.) in. Corros s_4 in. Allowe X.R. X.R. X.R. Collower Apex Angle	Thickness_4- ThicknessNumber hannels of hear elements of hear elemen	3/4 in. Atta in. Atta er 121 Ty exchangers. 3 ft. 5 Efficiency Io. of Course laterial Plat Diameter 40-1/2	chment Integrated (Weided, Bolted) chment

Items below to be completed for all vessels where applicable.		 	
Safety Valve Outlets: Number In Line Size	Location		
6. Nozzies: Purpose (Inlet. Outlet, Drain) Number Diam. or Size Type	Muterial Thickness	Reinforcement Majorial	How Attached
Inlet 1 13-1/8 O.D. W.E.	SA-182-F1 1.188	SA-182-F1	<u>Welded</u>
Outlet 1 9" O.D. W.E.	SA-182-F1 1.188	SA-182-F1	Welded
	SA-106-B .500	SA-285-C	Welded
11 Fill Verflow 1 4-1/2" OB W.E. 17. Inspection Manholes, No. 1 Size 36 Location		SA-285-C SA-285-C	Welded Welded
Openings: Handholes, No Size Location Threaded, No1 Size Location S.W.	Shell	·	
2	Oncil	AShell	lwelded
18. Supports: Skirt (Yes or No) Lugs (Number) Legs (Number)			
19. Remarks: Shell (Items #4 thru #8)construct	ted and stamped in	accordance wit	th ASME
Code Section VIII			
Tube Bundles and Shell hydrosta (Brief description of se	atically tested ser		ipped sep
CERTIFICATIO	N OF DESIGN		
Design information on file at Struthers Wells	Warren, Pa.		
Otress analysis report on file at Struthers Wells	Warren, Pa.		
Design apocifications certified by Warren Schultheis	Prof. Eng. P.E.	State Calif. Reg.	
Stress analysis report certified by Martin L. Pomerantz	Prof. Eng. P.E.	State Pa. Reg. 1	
We certify that the statements made in this report are correct anship of this pressure vessel conform to the ASME Code for Nurte 19 67 Signed Struthers Wells (Manufacture) Certificate of Authorization Expires December 31st 19 67	s Corporation By	Hanhar E. J. Honha	6
CERTIFICATE OF SHO	DP INSPECTION		,
VESSEL MADE BY Struthers Wells Corporation	at		
I, the undersigned, holding a valid commission issued by the Nation of and employed by Hartford Steam B	nal Board of Boiler and Pressuloiler Insp. & Ins. Co.	Hartford, Co	
have inspected the pressure vessel described in this menufacturer's catale that to the best of my knowledge and belief, the manufacture Code for Nuclear Vessels.	r has constructed this pressure		
By signing this certificate neither the inspector nor his employer vessel described in this manufacturer's data report. Furthermore, actively personal infinity or property damage or a loss of any kind arising for the control of the	ther the Inspector nor his empl	loyer shall be liable in a	
		B. 3760	
CERTIFICATE OF FIELD AS	•		d/or the State
of and employed by			
have compared the statements in this manufacturer's data report w	ith the described pressure ven	sel and state that purts	referred to as
data items			
been inspected by me and that to the best of my knowledge and belief set in necessarice with the ASME Code for Nucleur Vessels.		· · · · · · · · · · · · · · · · · · ·	•
drostatic lest of psi.			
By signing this certificate neither the inspector nor his employer makes at described in this monducturer's data report. Furthermore, neither personal injury or property durings or a loss of any kind wisting from .	the Inspector nor his employer	shall be liable in any m	
Date		•	
	CommissionsNettunel [loved or State and No.	

	mpany (Name) icago IL, 60690 (Address)			Date	: <u>5/31/9</u>	4	_
2. Plant: Dresden Nuclear Power R.R. #1, Morris IL., 60		Sheet: <u>1</u> (Of <u>1</u>	Unit:	3	-	
3. Work Performed By: Commonwealth	Edison Co.,	_ (Name)		Dresden Sta., NWR D2			070)
<u>Dresden Nuclear</u> 4. Identification of System: <u>HPCI, 2</u>	Power Station 300	(Address)		Repair Organization P.O. 1	10., JOB NO	. etc.	
	B31.1.0 , 19 r Repair/Replacement 1989 d or Replaced and Replacement	Edition,No		Addenda, Code Cases Addenda, Code Cases			ne
Name of Component	Name of Manufacturer	Mfrs. Serial No.	NatBrd No	Other ID	Yr Blt	Repair, Replaced or Replace- ment	Code Stamp ed Yes /No
HPCI C/V 5, Valve Seat	Unknown	Unknown	Un- known	None	Un- known	Replaced	No
HPCI C/V 5, Valve Seat	General Electric Co.	Dwg. B704C105J	Un- known	CECO S.I. 580D79	Un- known	Replace- ment	No
7. Description of work: Replaced old Va	lve seat with new seat, seal we	lded new seat.					
8. Test Conducted: Hydrostatic []	Pneumatic [] Nominal Ope	erating Pressure	I I Not	Applicable [x]			
Test Pressure A 9. Remarks: <u>Liquid Penetrant Tested excreplacement seat.</u>			_°F	•	No mac <u>hinin</u>	g was required	of
9. Remarks: <u>Liquid Penetrant Tested exc</u>	avations, new seat and seal well	ds. Performed V	eF /isual Inspending	ections per NSWP W-01. N			of
9. Remarks: <u>Liquid Penetrant Tested excreplacement seat.</u> We certify that the statements made in	Cert this report are correct and this (Repair o LST Coor signee) (Title)	ds. Performed V	of Visual Inspending Property of the Property	ections per NSWP W-01. N			of

Owner: Commonwealth Edison Com One First National Plaza, Ch)		Date:	<u> 12</u>	-2-94	
	·	,		Sheet	: _1_	Of <u> </u>	
2. Plant: Dresden Nuclear Power R.R. #1, Morris IL., 60				Unit:	_3		
3. Work Performed By: Same	(Name)				74-071)	
Same	(/	Address)		Repair Organization	on P.O	. No., Job No. etc	.
4. Identification of System: 0220	Main Steam Drains	(3-0220	5-2 V	alve)			
5. (a) Construction Code USAS					NON	E	
(b) Edition of Section XI used for	Repair/Replacement 19 <u>89</u>	Edition, N	0	Addenda, Code Cases	NONE	<u> </u>	
6. Identification of Components Repaired	or Replaced and Replacement	t Components					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
2" Globe Valve	Crane	N/A	N/A	3-0220-2	N/A	Replaced	NO
2" Gate Value.	Anchor Darling	ET852-1-1	N/A	3-0220-2	N/A	Replacement	NO N
2" Sch. 80 Pipe	Unknown	NA	N/A	Line# 3-3007-2"-B	N/A	Replaced	NO
2" Sch. 80 Pipe	Unknown	HEAT # 68610	N/A	Line # 3-3007-2"-B	N/A	Replacement	70
2" 3000 # Coupling	Unknown	HEAT # 409075	NA	Line #3-3007-2"-B	N/A	Replacement	NO
Test Pressure 10.	Repláced pipe with neumatic[] Nominal Ope 40 psig Test Temper	hew pipe erating Pressure ature 200	<u>and (</u> [] 1 _°F	Coupling for ease of	insta 3-9	ulation.	<u></u>
9. Remarks: Replaced existing Val	he with new valve	under M	inor	Plant Change P12-	94-9	4-280.	
Note: Yalve was replaced ac	an during D3F18	à mitae un	dec 6	750053140 (Plan 3-	95-0	2) RMuse	17-5-55
(Coo. 12.00 mg) (Spines)				15055110 (1141)	-		
We certify that the statements made in the			it	Conforms to Section X	I of the	ASME Code.	
Signed: Brendan J. Ca		(Repair or					
(Owner or Owner's Design	gnee) (Title	:)	(Date	:)			
	Cer	tificate of Inspe	ction				
I, the undersigned, holding a valid comm				having inspected the R	colac	ement	-
described in this report on	E Code. By signing this certification in the certification of the certification of the certification in the certification of the certif	ficate neither the Furthermore, in ng from or conn	inspect neither the ected wi	belief, this repair or replacement or nor his employer makes any the inspector nor his employer th this inspection.	ent has warra shall be	nty, expressed or e liable in any ma	nner
Date: _/2-4/4 Inspector:	Kart Thine	ci	Comr	nissions: /L/27 N	13.7	24281919	- ∦
				(State or Provin	ice, Na	tional Board)	

Owner: ComEd Company One First Nationa	(Name)	O (Address)			Date:5-3	0-96	
2. Plant: Dresden Nucle	<u> </u>	(Name)				Sheet:1 Of	
Work Performed By: _Bechts	rsberg, MD 20877	(Address)		<u>WR 9</u> R	/ <u>30053701 (I</u> lepair Organiz	PLAN <u>3-94-072)</u> ation P.O. No., Job No.	etc.
Construction Code L Edition of Section XI Identification of Components	USAS B31.1.0 I used for Repair/Replacen Repaired or Replaced and	ment 19 <u>89</u> Edi	ition, <u>N</u>	Addenda, Code Ca NO Addenda, Code C	ises NONE ases NO	NE	
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
MSIV MAIN SEAT RING	CRANE	UNKNOWN	N/A	3-0203-2C	N/A	REPLACED	NO
MSIV PILOT DISC	CRANE	UNKNOWN	N/A	3-0203-2C	N/A	REPLACED	NO
MSIV MAIN DISC	CRANE	UNKNOWN	N/A	3-0203-2C	N/A	REPLACED	NO
MSIV MAIN SEAT RING	CRANE	B2890	N/A	SI #570D55	N/A	REPLACEMENT	NO
MSIV PILOT DISC	CRANE	C3561	N/A	SI #570C91	N/A	REPLACEMENT	NO
MSIV MAIN DISC	CRANE	N/A	N/A	SI #570F06	N/A	REPLACEMENT	NO
7. Description of work:Modification Mork performed in accordance with the statements We certify that the statements	with Minor Plant Change I c [] Pneumatic [] Test Pressure	P12-3-94-214. Pilot Nominal Operating psig Certificat	t disc replayed the disc replayed the disc replayed the disc replayed the disc replayed to the disc replayed the disc replayed to the disc replayed the disc replayed to the disc	perature °F	e (X)		cal leak rate
Signed : <u>Bundan</u> (Owner or Own	J. Cusey mer's Designee	ISI COORDINATO (Title)	R	5-30 (Date) 19 <u>96</u>			
Section XI of the ASME Code repair or replacement described property damage or a loss of a	eam and Boiler Insurance at 19 <u>46</u> and state to the bee. By signing this pertification this report Hurthern	by the National Board and Inspection Co. co est of my knowledge ate neither the inspection, neither the inspec- tionnected with this in	of Hartfor e and beli- ctor nor h pector nor	er and Pressure Vessel and Connectictu having it, this repair or replacing employer makes any r his employer shall be	inspected the cement has been warranty, ex liable in any	REPLACEMENT descreen constructed in accordators appeared or implied, concurrenced.	ibed in nce with erning the

Owner: ComEd Company	(Name)	·	_		Date: <u>4-10</u>	5-96	
One First National	Plaza, Chicago IL, 60690					Sheet: _1_	Of1_
Plant: <u>Dresden Nuclea</u> 6500 North Dres	r Power Station den Road, Morris IL., 60	(Name))450	(Addres	s)		Unit:3_	
Work Performed By: <u>SAME A</u>	AS ABOVE		(Name)		PLAN 3-94		
SAME A	S ABOVE		(Address))	pair Organiz	ation P.O. No., Job l	Vo. etc.
Identification of System: 020	3 MAIN STEAM						
(a) Construction Code _U;	SAS B312.1.0 , 19	9 <u>67</u> Edition,	NO	Addenda, Code Cases NO Addenda, Code	NONE		
					CasesN	IONE	
Identification of Components R	epaired or Replaced and	Replacement Cor	nponents	:			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
MSIV MAIN SEAT RING	CRANE	UNKNOWN	N/A	VALVE 3-0203-1D	N/A	REPLACED	NO
MSIV PILOT DISC	CRANE	UNKNOWN	N/A	VALVE 3-0203-1D	N/A	REPLACED	NO
						_	
MSIV MAIN SEAT RING	CRANE	B2889	N/A	SI #570D55	N/A	REPLACEMENT	NO
MSIV PILOT DISC	CRANE	UNKNOWN	N/A	SI #570C91	N/A	REPLACEMENT	NO
Test Conducted: Hydrostatic		Nominal Operati		ture [] Not Applicable Temperature <u>N/A</u> °F	[X]		
Remarks: None.							
		Cartific	nte of C	ompliance			
We certify that the statements n	<i>i</i>	rrect and this RE	PLACE	MENT Conforms to Section	on XI of the	ASME Code.	
Signed: <u>Yarından C</u> (Owner or Own	Cusey 1 er's Designed	ISI COORDINA (Title)	TOR _	4-16 , 19 96 (Date)	-		
					 		
		Certifi	cate of I	nspection			
I, the undersigned, holding a valenployed by The Hartford Steat described in this report on 4-accordance with Section XI of timplied, concerning the repair of any personal injury or property	m and Boiler Insurance at 197, 1976, and st the ASME Code. By sign or replacement described idamage or a loss of any	nd Inspection Co tate to the best of hing this certification this report. Fi kind arising from	of Hart my kno te neithe arthermo	ford, Connectictu having it wledge and belief, this rep r the inspector nor his emp re, neither the inspector no	nspected the air or replace loyer makes	REPLACEMENT ement has been constrainty, expres	ucted in sed or
Date: <u>4-17-96</u> Inspec	ctor: Kut Ii,	famy		Commissions:IL		2NISB ovince, National Boar	<u>4)</u>
	•	/			(State Of PI	ovince, inational Boat	u)

. Owner: ComEd Company	(Name)			Date:	3-6-9	96	
One First National Plaz	za, Chicago IL 60690 (Addre	ss)		Sheet:	Of	1 _	
. Plant: <u>Dresden Nuclear</u> 6500 North Dresden	r Power Station (Na. den Road, Morris IL., 60450		ss)		3		
. Work Performed By: BECHTE	EL CONSTRUCTORS	(Name)	D20566 PLAN		6 n P.O. No.,J ob No. etc	
_GAITHI	ERSBERG, MD 20877	<u>.</u>	_ (Addre	ess)	gailleatio	II P.O. NO.,J 00 140. Ca	. .
. Identification of System: <u>022</u> 6	0 REACTOR FEEDWATE	R					
(a) Construction Code <u>US</u> (b) Edition of Section XI us	AS B31.1.0 sed for Repair/Replacement	19 <u>67</u> Edition, <u>NO</u> A 19 <u>89</u> Edition, <u>NO</u> A	ddenda, Addenda,	Code Cases NONE Code Cases NONE			_
. Identification of Components Re	epaired or Replaced and Repl	acement Component	ts				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
CRANE 18" TILTING DISC CHECK VALVE SEAT RING ASSEMBLY	CRANE VALVE	UNKNOWN	N/A	3-0220-58B	N/A	REPLACED	NO
BONNET STUD (1)	UNKNOWN	UNKNOWN	N/A	A193 Grade B7	N/A	REPLACED	NO
BONNET NUTS (2)	UNKNOWN	UNKNOWN	N/A	A194 Grade 2H	N/A	REPLACED	NO
CRANE 18" TILTING DISC CHECK VALVE SEAT RING ASSEMBLY	CRANE-ALOYCO	PT # CA00720	N/A	SI #807E71	94	REPLACEMENT	NO
BONNET STUD (1)	UNKNOWN	UNKNOWN	N/A	SI #760G26	N/A	REPLACEMENT	NO
BONNET NUTS (2)	UNKNOWN	UNKNOWN	N/A	SI #760H26	N/A	REPLACEMENT	NO
Test Conducted: Hydrostatic [Remarks: Replaced existing seat	[] Pneumatic [] Non Test PressureN/_		st Temp	erature <u>N/A</u> "F	ost durin	g disassembly and was i	replaced.
		Certificate of (T C I	
We certify that the statements m	ade in this report are correct	and this REPLACE	MENT (Conforms to Section XI of	the ASN	an Coae.	
We certify that the statements me Signed: Bundan (Owner or Owner)	Caseir isi	and this REPLACE COORDINATOR (Title)		Conforms to Section XI of S-9, 1996 (Date)	the ASN	ie Code.	
Signed: Brendan	Caseir isi	COORDINATOR			the ASM	1E Code.	
Signed: Brendan	Caseir isi	COORDINATOR	3	19 <u>96</u> (Date)	the ASN	1E Code.	

A :	Required by the	e Provisions	of ASI		Doc	thus REV	1510005
1. Owner: Commonwealt One First Nation 2. Plant: Dresden N R.R. #1. Morr	uclear Power Stat is IL., 60450	ion (Nam (Address)	e)	s) Sì	ate: neet:: nit:	5-3-94 1_01 L 3	_
3. Work Performed By:			e)	Repair Orga	nizatio	n P.O. No Jo	b No. etc
4. Identification of Syste		>					
5. (a) Construction Code			-				
(b Edition of Section XI us 6. Identification of Comp						e s <i>//</i>	
		T ···					
Name of Component	Name of Manufac	Serial No	Nat Brd No	Other ID		Repair Replaced of Replacemen	
BONNET BOLTS	Anknow	UNKNOWNE	114	3-2301	NA	REPLACED	20
BOUVET, BOLTS	G.E.	813£59	씨	3-2301	λ·A	Replacement	84
		 					
7. Description of work.	Replaced Control 1/2	lua haltina laki	4 14/2	alled (Fight	11/2"-8	x8" halte	
i. Description of work. <u>P</u>	epitico Concioi Val	VE DOILING WAL	Ch WA	yand chiji		7 7 00.03,	<i></i>
8. Test Conductiedrostati Test Pressi 9. Remarks: <u>Replaced</u> eigi Surveill ance Dos 2300	1 r eN/A	psig Test Te	mpera	ature N/A	. ∘բ		
We certify that the statements many statements of the statement of t	ade in this report are cor		Accmo rgr Re	Conforms teplacement)		XI of the ASME	Code. 19 95 _
	Cer	tificate of In	spect	10 n			
l. the undersigned, holding a value of the described in this report on accordance with Section XI of the implied, concerning the repair or many personal injury or p	id commission issued by by 1333 and state ASME Code. By signing eplacement described in this	the National Board of Hall to the best of my lethis certificate neit is report. Furthermore	of Boiler FOLI nowledge her the i	and Pressure Vessel In- having inspectant definition of the control of the control of the control of the inspector nor his employ the inspector nor his employ	Repa) or replacer yer makes ployer sha	air or Repla ment has been co sany warranty, e Il be liable in any	cement onstructed t expressed o y manner fo
3-30-95	////	My solully k		Commissions: 1693			

Commissions: 16932) NB 7742 N 1913 (Stateor Province National Board)

							
Owner: Commonwealth Edison Comp One First National Plaza, Chi				Date:	_5	-14-94	
		•		Sheet	: _1_	Of	
2. Plant: Dresden Nuclear Power R.R. #1, Morris IL., 60				Unit:	_3		
3. Work Performed By: Same	as Above a	Name)		NWR D 2034			4-097)
		Address)		Repair Organization	on P.O	. No., Job No. etc	•
4. Identification of System: 2300	HPCI						
5. (a) Construction Code ASME		Edition,	10	Addenda, Code Cases	No	ME	
(b) Edition of Section XI used for R	epair/Replacement 19 <u>89</u>	Edition, N	10	Addenda, Code Cases	No	VE	
5. Identification of Components Repaired o	r Replaced and Replacement	Components					
Name of	Name of Manufacturer	Mfrs.	Nat	Other	Yr	Repair,	Code
Component		Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
3-2301-23 Relief Value	Consolidated	Unknown	NA	None	NA	Replaced	00
3-2301-23 Relief Valve	Dresser Industrics	TH-88699	N/N	SI* 503D99	N/A	Replacement	NO
			<u> </u>				
			<u> </u>				<u></u>
7. Description of work: <u>Replaced</u> ex Under NWR D2383B).	cisting relief va	lve with	a	new yelve assem	bly	(Set point s	<u>et/verific</u>
3. Test Conducted: Hydrostatic [] Pn	eumatic [] Nominal Ope	rating Pressure	M N	Not Applicable []			
Test Pressure Nami	n2 psig Test Tempera	nure <u>Ambian</u>	Z °F				
. Remarks: VT-2 performed	in conjunction 1	with Do	5 2	300-3.			
· · · · · · · · · · · · · · · · · · ·							
							
We certify that the statements made in this Signed: Signed: (Owner or Owner's Design	Certi s report are correct and this	ificate of Comp Replaceme	liance ふじ	Conforms to Section X	I of the	ASME Code.	
Signed: Brendan A. Cas	DELLA ISI COO	(Repair or	Replace	ment)			
(Owner or Owner's Design	(Title))	(Date	;) <u></u>			
		· · · · · · · · · · · · · · · · · · ·					
	Cert	tificate of Inspe	ction				
I, the undersigned, holding a valid commi	ssion issued by the National	Board of Boiler	and Pre	ssure Vessel Inspectors and th	e State	or Province of	
144015 ,employed by 43				70	ensir c	r Danissament)	
described in this report on 428 accordance with Section XI of the ASME	Code. By signing this certif	icate neither the	inspecto	or nor his employer makes any	warra	nty, expressed or	- 1
implied, concerning the repair or replacen for any personal injury or property damag	e or a loss of any kind arisin		ected wi	th this inspection.			iner
Date: 4-28-45 Inspector:	Klainer		Comr	nissions: NB7742 N	153	11932	_
			-	(State or Provin	ice, Na	tional Board)	

1. Owner: Commonwealth Edison Compo				Date:	<u> </u>	-5-95	· •			
2. Plant: Dresden Nuclear Power S R.R. #1, Morris II., 604	tation (Name)			•	3 3		•			
3. Work Performed By: 5amc as	Above a	iame)			(3-	14-09B)	· · ·			
Same as		ddress)					•••			
4. Identification of System: 2300 5. (a) Construction Code USA5	HPCI	Edition, A	lo		Nor		•			
				Addenda, Code Cases						
	(b) Edition of Section XI used for Repair/Replacement 19 89 Edition, No Addenda, Code Cases None									
6. Identification of Components Repaired or	Replaced and Replacement	Components			7	<u> </u>				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Bh	Repair, Replaced or Replacement	Code Stamped Yes/No			
Capscrew	Unknown	N/k	N/A	None	N/A	Replaced	No:			
Hex Nut	Unknown	N/A	N/A	Nonc	N/A	Replaced	NO			
					1_					
Hex Nut (7/8"-9).	Unknown	N/A	N/A	SI#530A10	NIA	Replacement	No			
Capscrew (7/8"-9 x 5")	Unknown	N/A	N/A	SI# 790453	NA	Replacement	NO			
			<u></u>							
7. Description of work: Replace exis	ting bolking wit	h longer	to 2	achieve full nut e	ngzy	ement.				
8. Test Conducted: Hydrostatic [] Pn	numatic [] Nominal Ope	rating Pressure	() (fot Applicable 03						
Test Pressure N	A prig Test Tempera	A N State	_* `							
9. Remarks: Reptaced existing Performed VT-3/4 up	g bolling with	longer support	غاوط در	ing to achieve for	<u>۱۱ م</u>	it engagem	ient.			
We certify that the statements made in the Signed: Signed: (Owner or Owner's Design	is report are correct and this ISI Coor	(Repair or dinator	cot_	1995	XI of th	ASME Code.				
	Cer	tificate of lasp	ection							
1, the undersigned, holding a valid comm	ission issued by the National	Board of Boile	e and Pr	egure Vessel Inspectors and having inspected the	the State Repla	or Province of				
described in this report on 12-3-	199 and state to the ber	st of my knowle	dge and	belief, this repair of replace	(Repair	or Replacement)	- in			
accordance with Section XI of the ASME implied, concerning the repair or replace for any personal injury or property dama	Code. By signing this certi- ment described in this report go on a loss of any kind arisi	ficate neither th Furthermore, ing from or con	e impeci neither i	tor nor his employer makes a the inspector nor his employe	DY WEIT	anty, expressed or				
Date: 12-3-95 Inspector:	Kont I Land	4	Com	missions: //97,2 /X (State or Pro-	/87 vince, N	Ational Board)	2			

1. Owner: <u>Commonwealth Edison Compa</u> <u>One First National Plaza. Chi</u>	ny (Name)			Dat	e: <u>6</u> –	1-94	
2. Plant: Dresden Nuclear Power S R.R. #1. Morris II., 6045	Station (Name)				et: <u>1</u> t: <u>3</u>		
3. Work Performed By:SAME AS ABOV	, ,)			(3-9	4-103)	_
	E(Addr	·ess)		when organization		100, 000 1121 022	
4. Identification of System: 2300							
5. (a) Construction Code <u>B31.1.0</u> (b) Edition of Section VI used for Reposit							
(b) Edition of Section XI used for Repair6. Identification of Components Repaired of			Adde	enda, Code Cases	I/A		
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
CHECK VALVE 24"	C&S VALVE	**	N/A	3-2301-45	. ,,	REPLACED	NO
			- 1/4	2 2224 15	1/2	2001 01/01/05	1/0
CHECK VALVE (24")	C&S VALVE	1	N/A	3-2301-45	N/A	REPLCMENT	NO
	72-	2075-01-	(W)-	01	+-		
					_		 -
7. Description of work: Replace cxis	sting Dual Disk Cl	hock yalvo	. Wi	th brand new 2	ssem	bly.	
8. Test Conducted: Hydrostatic [] P	neumatic [] Nominal Ope	rating Pressure	N	ot Applicable []			
Test Pressure	// psig Test Temperat	ture <i>N/A</i>	. °F				
9. Remarks: <u>"UNKNOWN</u>		T-2 EXZI	nined	check value of	luving	Operation Dess	<u> </u>
ZECONO # K- GU	1-90 CHK. VLV.	at 9	20 0	sig). No leak	zyc !	observed.	
· · · · · · · · · · · · · · · · · · ·							
We certify that the statements made in	this report are correct and th	lificate of Comp his Replaces	ent	Conforms to Sectio	n XI of th	e ASME Code.	
Signed: Brendan J. Ca.		(Repair or Re		nt) 			
(Owner or Owner's Design	ee) (Tille)		(Date)				
	0	1.6. 1. 61			-		
Libe undersigned holding a valid comp		tificate of Inspe		esura Vassal Inspectors and	the State	or Province of	i
I. the undersigned, holding a valid committee in the second secon		,	•		/Donnin o	m Donloomont)	
described in this report on 4-29 accordance with Section XI of the ASME concerning the repair or replacement de	Code. By signing this certifice escribed in this report. Furth	ate neither the i ermore, neither	inspector the insp	r nor his employer makes a ector nor his employer sha	ement ha ny warran	s been constructed ty, expressed or	implied.
personal injury or property damage or a Date: 4-23-45 Inspector:					10774	17 X/5B	,
Date: Inspector:	and J		Commis	sions: <u>IL 93Z</u> (State or Pro	vince, Nat	ional Board)	

							
1. Owner: Commonwealth Edison Componer: One First National Plaza, Chi	` /)		Date:	6	-24-94	
2. Plant: Dresden Nuclear Power		,		Sheet	: _1_	of <u>1</u>	
R.R. #1, Morris IL., 604				Unit:	Sheet: 1 Of 1 Juit: 03 DOC # 14 (3-94-7) ization P.O. No., Job No. etc. N/A Yr Repair, Replaced or Replacement Repair STANCHIBN IN HALL field in Accordance of the ASME Code.		
3. Work Performed By: Owner		_ (Name)		D26342 Do	c <u>#1</u>	4 (3-94.	107)
Same		(Address)		Repair Organization	on P.O.	No., Job No. et	c.
4. Identification of System: 2300, HPC							
5. (a) Construction Code USAS B3		Edition.	N/A	Addenda, Code Cases N	'A		
(b) Edition of Section XI used for Repair							
			Adden	ua, code casesN/A		· · · · ·	
6. Identification of Components Repaired o		t Components			T		l
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Repair, Blt Replaced or Replacement Repair	Code Stamped Yes/No	
HPCI Booster Pump Suction Piping Stanchion	Not Applicable	None	NA	M-3405-08 5.1. SOI 835	NA	Repair	No
					<u> </u>		
					<u> </u>		
	· · · · · · · · · · · · · · · · · · ·						
		<u> </u>		Z			
7. Description of work: 6" PIP	e to Be used as	Conscins	AFTE	R Cutting 5'S	MANCE	HOW IN HA	LF.
8. Test Conducted: Hydrostatic Pn	·	erating Pressure		Not Applicable			
9. Remarks: WT- 3/4 - 1	Becutable j	34.94					
	· ·		and (Support Was aundified		3110003.010	w.th
Minor Plant Change P12-3-	94- 259	many 4031)	20001 1443 140411100		mesonic.	- NI - I
We certify that the statements made in the Signed: <u>Bundan J. Cuse</u> (Owner or Owner's Design	is report are correct and this SICoord	ificate of Com Repair (Repair or dinator	Replacer	Conforms to Section nent) 10, 19	XI of th	he ASME Code.	
<u> </u>							
	Cen	tificate of Insp	ection				
I, the undersigned, holding a valid comm LU K 0 5	3B141C0 of	MARKE	FORI	having inspected the	<u>Re</u>	pair	
accordance with Section XI of the ASME implied, concerning the repair or replace	and state to the he Code. By signing this certiment described in this report of a loss of any kind arising	est of my knowl ificate neither the . Furthermore, from or connec	edge and ie inspec neither ted with	belief, this repair or replaced tor nor his employer makes a the inspector nor his employed this inspection	ment ha ny war r shall	is been constructer ranty, expressed of the liable in any r	or nanner for
Date: 4-16-45 Inspector:	Rout To Rain	uy	Coi	mmissions: <u>IL 932, N</u> (State or Provi	1 <u>377</u> nce, Na	142 N 15 B tional Board)	-

22 of 36

							
1. Owner: Commonwealth Edison Com				Date	s: <u>7-</u>	10-94	
One First National Plaza, Ch	·	s)		Shee	et: <u>1</u>	Of	
2. Plant: Dresden Nuclear Power R.R. #1, Morris IL., 60				Unit	: <u>3</u> _		
3. Work Performed By:Owner		(Name)		D24486		(3-94-11	2)
Same				Repair Organiza	tion P.O.	. No., Job No. et	c.
		(Address)					
4. Identification of System:1500, CCS			_				
5. (a) Construction Code <u>USAS B31.</u>	1.0, 19 <u>67</u>	Edition, <u>NA</u> <i>NO</i>		_ Addenda, Code Cases _	NA_		
(b) Edition of Section XI used for Repa	ir/Replacement 19 <u>89</u> E			ienda, Code Cases	None	ر	
6. Identification of Components Repaired	-	BAC 9-23					
Name of	Name of Manufacturer	Mfrs.	Not	Other		Donois	Code
Component	Name of Mandiacturer	Serial No.	Nat Brd	Other ID	Yr Blt	Repair, Replaced or	Code Stamped
	 ,	. (No	7 150 15	190.	Replacement	Yes/No
10" CAK VLU Duo-check	1	90-1314-010-	12	3-1501-1B	1/10	REPLACES	No
10" CAK UN. Duo-check	TWL MISSION	EE 69		3-1501-113	-	REMAKEMENT	NO
		-			+-		
	 			· · · · · · · · · · · · · · · · · · ·	+-	<u> </u>	
	 	 			┼		
 		<u> </u>	<u>_</u>		<u> </u>	<u></u>	
7. Description of work REPLACED CA	IS VALUE WITH TO	UR MISSEA	יחל ה	E TO SEAT LEAK	AGE	<u>-</u>	
			<u> </u>				
	neumatic [] Nominal Of		`	lot Applicable []			
	5 psig Test Tempe						
P. Remarks: Replaced exis	ting check value	12 due to	dam	aged rubber ser	ats		
We certify that the statements made in t	his report are correct and thi	tificate of Comples Replacemen	L	Conforms to Section	n XI of t	he ASME Code.	
Signed: Brendang. Co	suy ISICO	(Repair or R	eplacem 1– 2	nent) 24, 1996_			
(Owner or Owner's Desi	gnee) (Titl	e)	(Date				
							
	Cei	rtificate of Inspec	tion			 	
I, the undersigned, holding a valid com	mission issued by the Nation	al Board of Boiler	and Pre	essure Vessel Inspectors and	d the Sta	te or Province of	
KINOLG , employed by	41814160 0	HARTF	ED)	having inspected the	= Rcal	acement)	
described in this report on 126 accordance with Section XI of the ASM.	. 19 9/, and state to the b	est of my knowled	lge and	belief, this repair or replace	ement ha	is been constructe	d in
implied, concerning the repair or replace	ement described in this repor	t. Furthermore, r	either t	he inspector nor his employ			
any personal injury or property damage	//	/			¥/ >> ~	7//(0///	
Date: 1-26-96 Inspector:	run / fas	uy	Con	nmissions: <u>// 93 Z</u> (State or Prov	ince, Na	<u>/ タスソ/タル</u> tional Board)	2
				(= -3-2 - 2 - 2 · 0 ·		=/	

DAP 11-18 REVISION 05

Owner: ComEd One First National Plaza,	Chicago II. 60690					Date: 4-1-95	
-	-					Sheet:1_ Of	1
Plant: <u>Dresden Nuclear Power S</u> 6500 N. Dresden Road,						Unit: _	3
Work Performed By:SAME_A	AS ABOVE		(Na:	me)		6722 (3-94-115)	
SAME	AS_ABOVE		(Add	ress)	Repair	r Organization P.O. No.,	Job No. etc.
Identification of System: 3000	MAIN STEAM	• .			_		
(a) Construction Code ASN (b) Edition of Section XI use Identification of Components Rep	1E Section III d for Repair/Replacen	nent 19 <u>89</u> Edit	ion, No	O Addenda, Cod			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
5/16"-24 X 1¾ CAP SCREWS	UNKNOWN	NONE	NA	NONE	NA	REPLACED	NO
5/16"-24 X 2½ CAP SCREWS	UNKNOWN	NONE	NA	SI# 814G18	NA	REPLACEMENT	NO
	ļ	<u> </u>	<u> </u>				
	<u> </u>	<u> </u>	ļ	ļ <u>.</u>			
			ļ				
	<u> </u>	<u> </u>	<u> </u>	<u> </u>			
Description of work: Replace exist evaluated under Minor Plant Chartest Conducted: Test Conducted: Remarks: Replaced existing cap so	Hydrostatic []	Pneumatic [Pressure N/A] No	ominal Operating Pr	ressure []	Not Applicable {X}	
We certify that the statements made Signed: Statements of Owner's	Cusey ISI		EPLACE	compliance EMENT Conforms 2-94_, 19 ate)	to Section	XI of the ASME Code.	

man and a series of the series

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

1. Owner	: Commonwealth Edison Co One First National Plaza, C		.	D	ate:	29-94				
2. Plant:	Dresden Nuclear Power		,	Sh	reet: _1_	Of				
Z. I lant.	R.R. #1, Morris IL.,			U	Unit:03					
3. Work	Performed By: Owner	(N	ame)	D26830	D26830 (3-94-116) Repair Organization P.O. No., Job No. etc.					
	Same	(Ac	idress)	Kepair Organi	zation P.O.	. No., Job No. et	с.			
4. Identifi	ication of System:0300, CR	D								
5. (a)	Construction Code ASM 6	56ction TIL , 19 65	Edition, <u>W-6</u>	S Addenda, Code Cases	N/A					
(b) Edit	tion of Section XI used for Rep				•					
	cation of Components Repaired		·							
	Name of Component	Name of Manufacturer	Mfrs. Na Serial No. Br	d ID	Yr Bit	Repair, Replaced or	Code Stamped			
<u> </u>			No.	- 1	UNK	Replacement	Yes/No			
	Flance Bolts	GENERAL GLOCHAU	, , , , ,		- 046	Replaced.	NO			
CRO	Flance Bolts	GENERAL ELECTRIC	137C4293 Pbo4	1-8x2,15		Replacemen	465			
				 						
}		 								
 	 			 	+					
<u> </u>	~ ~ ~			1	_!	<u> </u>	·····			
7. Descrip	ntion of work: Remove	AND REPLACE C	RD FlanGE	So/1s						
8. Test Co	onducted: Hydrostatic []	Pneumatic [] Nominal Ope	erating Pressure []	Not Applicable						
	Test Pressure	_	ature°F	/-						
O Dumaek	is: Removed eight ex			toroised and replace	d	brand n	<i>e</i>			
_Cybicic	WS EIGHT DA	sering capacients in	KICH WOLE OVER	Torque and Teprace	- WIWI					
			···							
We cert	ify that the statements made in : Sundan J. ((Owner or Owner's De	this report are correct and this	(Repair or Repla	Conforms to Sect	ion XI of t	he ASME Code.				
L										
<u> </u>		Car	tificate of Inspection				7			
	ndersigned, holding a valid cor	nmission issued by the Nationa	l Board of Boiler and	Pressure Ver Inspectors						
describe accorda	ed in this report on /b /b /c nce with Section XI of the ASI concerning the repair or repla	, 19 2 and state to the be ME Code. By signing this cert	est of my knowledge ificate neither the ins	and belief, this repair or repl sector nor his employer mak	Repair (acement ha es any wan	or Replacement) as been constructe ranty, expressed o	or			
any per	sonal injury or property damag	e or a loss of any kind arising	from or connected w	th this inspection.	•	•				
Ľiate: ∠	10-10-95 Inspector:	Kuff / Gan	ua/	Commissions: 11432 (State or Pr	ovince, Na	16/2 N/5/2 tional Board)	<u> </u>			
<u></u>										

Doc. # 16 DAP 11-18
REVISION 05

							
1. Owner: Commonwealth Edison Comp				Date	:	7-5-94	
One First National Plaza, Chie	cago IL, 60690 (Address)		Shee	ı: <u>1</u>	of <u>/</u>	
2. Plant: Dresden Nuclear Power S R.R. #1, Morris IL., 604				Unit:	_3		
3. Work Performed By: COMMON WE AL	_	Name)		we #			3-94-1
SAME				Repair Organizati			c.
		(Address)					
4. Identification of System: 6600 TEMA Class	C and SEL Specific				/4		
5. (a) Construction Code USAS B	14 AGC 9	Edition,		•	N/4		
(b) Edition of Section XI used for R	epair/Replacement 19 <u>89</u>	_ Edition,N	<u>o</u> .	Addenda, Code Cases	N/A	 :	
6. Identification of Components Repaired or	r Replaced and Replacement	Components					
N	Name of Manufacturer	146		01	\ \v.		-
Name of Component	Name of Manufacturer	Mírs. Serial No.	Nat Brd	Other ID	Yr Bit	Repair, Replaced or	Code Stamped
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2 2 10 15	No	BACIES	 	Replacement	Yes/No
COOLING WATER HT. EYCH	YOUNG KADIATOR	2036847	N/A	3-6669 N+B	N/A	KEPLACED	NO
				465	-		
	V 5	D. W. O. C. C.	-1/4	px1595	1		
COOLING WATER HT. EXCH.	YOUNG KADIATOR	2448587	NA	3.66698+B	MA	REPLACEMENT	NO
					 		
	The state of the s				<u> </u>		
7. Description of work: REPLACED	HEAT EXCHANGE	ER WITH	ONE	FROM QUAD CITI	es,		
	···						
	_	erating Pressure	•	Not Applicable []			
Test Pressure 20	•	eure <u>Ambiant</u>	_				
9. Remarks: Replaced "B" Die	sel Generator Con	oling Wate	4 Ho	rat Exchanges W.	ith	new assen	bly
and with Cooling water p	rump 2/one. No	iczkage ob	SCTVC	d aring ope	ran	ng SUPVEIN	3065
		-					·
	Cert	ificate of Comp	liance			<u></u>	
We certify that the statements made in this			<u>nt_</u>	Conforms to Section X	I of the	ASME Code.]
Signed: Brendan J. Case	ISI Coor	dinator		5, 19 <u>95</u>			
(Owner or Owner's Design	(Title	•)	(Date	e)			
	Cer	tificate of Inspe	ction		_		
I, the undersigned, holding a valid commi	ssion issued by the National	Board of Boiler	and Pro	saure Vessel Inspectors and the	ne State	or Province of	
	319 /4/60 of	HARTFORL	2_(having inspected the R	eplac	ement or Replacement)	- /
described in this report on 12-3	, 19 <u>75</u> and state to the bea	t of my knowled	ge and	belief, this repair or replacem	ent has	been constructed	in
accordance with Section XI of the ASME implied, concerning the repair or replacent	ent described in this report.	Furthermore,	neither t	he inspector nor his employer			nner
for any personal injury or property damage		ng from or conn		44	יובר	71110	1
Date: 12-9-9 Inspector:	Roy Tharus		Comi	nissions: 16432 1 N/B	//9.	tional Board)	
II				/ or 1.010	,		()

ENERGY ---

1. Owner: ComEd Compan	y (Name) nal Plaza, Chicago IL, 606	90 (Address)		Date: 9-26-96				
2. Plant: Dresden Nu		(Name)				Sheet: <u>1</u> Of Unit: <u>3</u>		
3. Work Performed By: San	ne as Above	_ (Name)				PLAN 3-94-119)		
_ Saı	ne as Above	(Address)		Re	epair Organiz	zation P.O. No., Job No.	etc.	
4. Identification of System: _	1300 Isolation Condene	ser						
5. (a) Construction Code(b) Edition of Section 36. Identification of Component	USAS B31.1.0 KI used for Repair/Replace ts Repaired or Replaced as			Addenda, Code Ca NO Addenda, Code C	ises <u>NONE</u> Cases <u>N</u>	ONE		
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
Flow Element (Annubar)	Unknown	NONE	N/A	FE-3-1341-1	N/A	REPLACED	NO	
Valve	Unknown	NONE	N/A	3-1341-1-SV	N/A	REPLACED	NO	
1½" 1500# Blind Flange (A182 Grade F-304)	Unknown	Heat Code C4048	N/A	SI #814B55	N/A	REPLACEMENT	NO	
7. Description of work: Remo	tic [] Pneumatic []	(annubar) and associ Nominal Operatin 992 psig	g Pressur		ile []	e per Minor Plant Chang	e P12-3-94-27	
We certify that the statemen	to made in this paper are	Certificate	e of Com	pliance	ion VI of the	ASME Code		
Signed : Brendan	1. Casky wher's Designate)	ISI COORDINAT (Title)		9-27 . 19 9		ASIME COUC.		
			-	*****			= 	
I, the undersigned, holding a employed by The Hartford Sthis report on 4-17 Section XI of the ASME Corepair or replacement descriproperty damage or a loss of Date:	steam and Boiler Insurance , 19 6 and state to the de. By signing this certific ted in this report. Further I any kind arising from or	and Inspection Co. best of my knowledge cate neither the inspe more, neither the in	rd of Boil of Hartfoge and be actor nor spector n	ler and Pressure Vessel ord. Connectictu having lief, this repair or repla his employer makes an or his employer shall be	g inspected the accument has be by warranty, e liable in an IL932, NB7	ne REPLACEMENT des been constructed in accord expressed or implied, co y manner for any person	cribed in dance with neerning the	

DAP 11-18 REVISION 07

1. Owner: ComEd Company One First Nation	(Name) al Plaza, Chicago IL, 606	90 (Address)		Dat	e: <u>4-2</u>	4-97	
		•				Sheet: 1 Of	_1_
2. Plant: Dresden Nuc 6500 North D	clear Power Station resden Road, Morris IL.,	(Name) <u>60450</u> (Address)				Unit:3	
3. Work Performed By: _Bech	el Constructors	_(Name)				PLAN 3-95-006)	
_ Gai	thersberg, MD 20877	_ (Address)		Repa	ir Organiz	zation P.O. No., Job No.	etc.
4. Identification of System:	1400 Core Spray						
5. (a) Construction Code (b) Edition of Section X	USAS B31.1.0 If used for Repair/Replace	, 19 <u>67</u> Edition	on, <u>NO</u> lition.	Addenda, Code Cases	NONE	E IONE	
6. Identification of Component				<u> </u>			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
24 HEX NUTS (3/4"-10)	UNKNOWN	NONE	N/A	3-1402-4A BONNET	N/A	REPLACED	NO
VALVE BONNET	CRANE	NONE	N/A	3-1402-4A	N/A	REPLACED	NO
24 HEX NUTS (3/4"-10)	UNKNOWN	HEAT CODE BGC	N/A	SI #796D01	N/A	REPLACEMENT	NO
ANTI-CAVITATION TRIM KIT*	CONTROL COMPONENTS INC.	637721-1-KIT	N/A	SI #812A26	N/A	REPLACEMENT	NO
7. Description of work: Replace per Plant Change 12-3-93-253					Generic L	etter 89-10 concerns on M	MOV 3-1402-4
8. Test Conducted: Hydrostat							
•	Test Pressure		-	perature <u>Ambient</u> °F	•		
9. Remarks: None.				<u></u>			
We certify that the statements Signed: Bundan (Owner or Ow	s made in this report are constructions are constructions. Lasery	Certificate orrect and this REP ISI COORDINAT (Title)	LACEM	ipliance ENT Conforms to Section 4-24 , 19 <u>97</u> (Date)		: ASME Code.	
							 -
I, the undersigned, holding a employed by The Hantford S this report on 2-7/4 Section XI of the ASME Coorepair or replacement describ property damage or a loss of Date:	team and Boiler Insurance, 19 / and state to the ble. By signing this certificed in this report. Furthern	and Inspection Co. pest of my knowledge ate neither the inspe- more, neither the in	rd of Boi of Hartfo ge and be ector nor spector n	ler and Pressure Vessel In ord, Connectictu having ir dief, this repair or replace his employer makes any or his employer shall be li	nspected the ment has lowerranty, able in an	ne REPLACEMENT des been constructed in accor expressed or implied, co- ly manner for any person	cribed in dance with neerning the
mo		/ 				ovince, National Board)	

Owner: <u>ComEd Company</u> One First National	(Name) Plaza, Chicago IL, 6069	on (Address)			Date: <u>6-1</u>	1-96	
	_					Sheet: _1_ Of	
. Plant: Dresden Nucle 6500 North Dres						Unit:3	-
. Work Performed By: <u>Bechte</u>		,				PLAN 3-95-007) zation P.O. No., Job No.	etc.
	sberg, MD 20877	,			•		
. Identification of System: 1							
(b) Construction Code Us (b) Edition of Section XI	SAS B31,1,0 used for Repair/Replacer	, 19 <u>67</u> Edition ment 19 <u>89</u> Edi	on, <u>NO</u> ition, <u>N</u>	Addenda, Code Ca NO Addenda, Code C	ases <u>NONE</u> ases <u>NO</u>	INE	
. Identification of Components I	Repaired or Replaced and	1 Replacement Comp	onents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
VALVE BONNET	CRANE	UNKNOWN	N/A	3-1402-4A	N/A	REPLACED	NO
VALVE BONNET STUDS	UNKNOWN	UNKNOWN	N/A	N/A	N/A	REPLACED	NO
VALVE BONNET STUD NUTS	UNKNOWN	UNKNOWN	N/A	N/A	N/A	REPLACED	NO
ANTI-CAVITATION TRIM KIT	CONTROL COMPONENTS INC.		N/A	SI #812A26*		REPLACEMENT	
			 				
		 	——			 	
·		<u> </u>	<u>l</u>	<u></u>	<u></u>	<u> </u>	<u> </u>
Description of work: <u>Replace</u> er Plant Change P12-3-93-254. Test Conducted: Hydrostatic	*Trim kit includes new [] Pneumatic []	Nominal Operating	ds and bo g Pressure	e [X] Not Applicab		valve (and Generic Letter	89-10 concern
		<u>370</u> psig	Fest Temp	perature/5_ "F			
. Remarks: None.							
We certify that the statements r Signed: Signed:	//	Certificat orrect and this REPI ISI COORDINATO	LACEME	ENT Conforms to Secti		ASME Code.	l
(Owner or Own	ier/s Designee)	(Title)	<u> </u>	(Date) 19 <u>97</u>	<u> </u>	·	-
 		Certifica	te of Insi	nection			
Section XI of the ASME Code. repair or replacement described	am and Boiler Insurance and 19 <u>7</u> and state to the bound in this certification in this report. Furthern any kind arising from one of the state of the bound in this report.	by the National Board and Inspection Co. co est of my knowledge ate neither the inspection more neither the inspection.	d of Boile of Hartfor e and beli ctor nor h pector no	er and Pressure Vessel rd. Connectictu having tef, this repair or replac ris employer makes any r his employer shall be	inspected the cement has been y warranty, ex liable in any	REPLACEMENT descrien constructed in accordant pressed or implied, concernancer for any personal	ibed in nce with erning the
Date: $\frac{5 - 15 - 9}{1000}$ Inspec	ctor: Kust T	Lowy		Commissions:II	L932, NB7742 (State or Pro	2NISB ovince, National Board)	

DAP 11-18 REVISION 07

1. Owner: ComEd Company One First Nationa	(Name) l Plaza, Chicago IL, 6069	0 (Address)		Dat	e: <u>5-2</u>	8-97	
2. Plant: Dresden Nucl		(Name)				Sheet: _1_ Of Unit: _ 3	1_
3. Work Performed By: Bechte				WR 9500	65745 (I	PLAN 3-95-008)	
Same	as Above	(Address)		Repa	ir Organiz	ation P.O. No., Job No.	etc.
4. Identification of System:	2300 HPCI	-					
5. (a) Construction Code U	SAS B31.1.0/ASME Sec	tion III , 19 67/77	Edition	, NO/S79 Addenda, (Code Case:	NONE	<u> </u>
(b) Edition of Section XI6. Identification of Components	-			NO Addenda, Code Cas	es <u>N</u>	ONE	
o. Identification of Components	Repaired of Replaced and	Replacement Com	ponenus		<u></u>		
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
2" Schedule 80 A106 Grade B pipe	Unknown	Unknown	N/A	Line 3-2309-2*-L	N/A	Replaced	No
		<u> </u>	<u> </u>				
2" Schedule 80 A106 Grade B pipe	Unknown	Heat Number B45687	N/A	SI #768B31	N/A	Replacement	No
		<u></u>	<u> </u>		<u></u>		
	<u></u>						
L	· ————————————————————————————————————			<u></u>		<u>L.</u>	<u> </u>
7. Description of work: Replace valve (3-2301-71). This will ren	d existing pipe with longer	r pipe to ensure pipi	ng remaii	ns submerged during post-	LOCA in o	order to provide a water se	al for outboard
8. Test Conducted: Hydrostatic		Nominal Operating					
o. rest conducted. Trydrosiane		· · ·		nperature <u>Ambient</u> °F	1)		
9. Remarks: Flow verification	_				ned with st	noon during air test (secon	d pressure).
We certify that the statements Signed: Dundan (Owner or Own	made in this report are co	Certificate orrect and this REP ISI COORDINATO (Title)	LACEM			ASME Code.	
L	=,	······································		·			
		C-ale :	. of Y				
I, the undersigned, holding a vemployed by The Hartford Ste this report on 6-12-7, Section XI of the ASME Code repair or replacement described property damage or a loss of a Date: 6-12-97 Inspec	am and Boiler Insurance and state to the but. By signing this certificate in this report. Furtherm my kind arising from or common the state of the	and Inspection Co. est of my knowledg ate neither the inspe- nore, neither the ins	d of Boil of Hartfo e and bel ctor nor pector no	er and Pressure Vessel In ord, Connecticut having in lief, this repair or replaces his employer makes any v or his employer shall be li	spected the ment has be warranty, of able in any	e REPLACEMENT describeen constructed in accordance expressed or implied, concy manner for any personal	ribed in ance with erning the
mspe	, , , , , , , , , , , , , , , , , , ,					vince, National Board)	

1. Owner: ComEd Compan	ny (Name)				Date: <u>5-2</u>	2-97	
	nal Plaza, Chicago IL, 6069					Sheet: 1 Of	1
2. Plant: Dresden No 6500 North	uclear Power Station Dresden Road, Morris IL., 6	_ (Name) 0450 (Address)				Unit: 3	
3. Work Performed By: Sar	ne as Above	(Name)				PLAN 3-95-009)	
Sa	me as Above	(Address)		R	lepair Organiz	zation P.O. No., Job No.	etc.
. Identification of System:	0203 Main Steam						
· -	ASME Section III XI used for Repair/Replacer	, 19 <u>65</u> Editionent_19 <u>89</u> Ed	on, <u>S66</u> lition, <u> </u>	Addenda, Code Ca NO Addenda, Code	ses <u>NONE</u> Cases <u>N</u>	ONE	<u> </u>
. Identification of Componer	nts Repaired or Replaced and	I Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamper Yes/No
6" Main Steam Safety Valve	Consolidated/Dresser	BK 6299	N/A	3-0203-4E	N/A	REPLACED	NO
6" Main Steam Safety Valve	Consolidated/Dresser	BK 6288	N/A	SI #501G89	N/A	REPLACEMENT	NO
· · · · · · · · · · · · · · · · · · ·	<u> </u>					<u> </u>	
. Description of work: Rep	laced existing main steam sa	fety valve (1240 se	t point) v	vith rebuilt spare assen	ibly (1260 se	point).	
. Test Conducted: Hydrosta . Remarks: <u>Performed exa</u>	Test Pressure	1050 psig		e X Not Applicate Perature 200 "F	ble []		
We certify that the statement Signed: Dunday (Owner or Co	nts made in this report are constants. Lasely Dwned's Designee)	Certificate orrect and this REP ISI COORDINAT (Title)	LACEM	ENT Conforms to Sec	tion XI of the	: ASME Code.	
		Certificat	te of Ins	pection			
employed by The Hartford this report on 6-11-9 Section XI of the ASME Corepair or replacement descriptoperty damage or a loss of	ide. By signing this certification in this report. Furtherm of any kind arising from or c	and Inspection Co. est of my knowledgate neither the inspendent more, neither the in-	of Hartfoge and be ector nor spector n	ord. Connecticut havin dief, this repair or repl his employer makes a or his employer shall t n.	g inspected the lacement has ny warranty, be liable in an	ne REPLACEMENT des been constructed in acco- expressed or implied, co- ty manner for any persor	scribed in rdance with neerning the
Date II	ispection.	warm /		Commissions: _	(State or Pr	742NISB ovince, National Board)	

DAP 11-18 REVISION 07

1. Owner: ComEd Company	(Name) al Plaza, Chicago IL, 6069	(accept A) O		D	ate:5-2	2-97	
2. Plant: Dresden Nuc	clear Power Station resden Road, Morris IL., 6	(Name)				Sheet: 1 Of	
·						Unit: 3	
3. Work Performed By: Same		• • •		<u>WR 950</u> Re	0061024 (1 pair Organiz	PLAN 3-95-010) ation P.O. No., Job No.	etc.
Sam	ne as Ahove	(Address)					
4. Identification of System:	0203 Main Steam	•					
5. (a) Construction Code (b) Edition of Section X	ASME Section III I used for Repair/Replacen	, 19 <u>65</u> Editionent 19 <u>89</u> Ed	on, <u>S66</u> lition, <u>l</u>	Addenda, Code Case NO_ Addenda, Code Ca	es <u>NONE</u> ases <u>N</u>	ONE	
6. Identification of Components	s Repaired or Replaced and	Replacement Com	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
6" Main Steam Safety Valve	Consolidated/Dresser	BK 6263	N/A	3-0203-4F	N/A	REPLACED	NO
6" Main Steam Safety Valve	Consolidated/Dresser	BK 7157	N/A	SI #501G89	N/A	REPLACEMENT	NO
7. Description of work: Repla	ced existing main steam sa	fety valve (1260 se	t point) w	ith rebuilt spare assemb	ly (1260 set	point).	
8. Test Conducted: Hydrostati	ic [] Pneumatic []	Nominal Operating	g Pressur	: [X Not Applicabl	e []		
	Test Pressure	1050 psig 7	Test Temp	perature 200_ "F			
9. Remarks: Performed exam	ination during system leak	ige test (hydro).					
		······································					
We certify that the statements	and in this report are as	Certificate	e of Com	pliance	on VI of the	ASME Code	
S: 1 Brendous	() (a sus	ISL GOODDINAT	DACISIVE OD	6-17 10 9	on 21 or me	ASME Code.	
Signed: Brendana (Owner or Ow	ner's Designee	(Title)	<u>OK</u>	(Date)	<u>/</u>		
		 					
							
		Certificat	te of Insp	ection			
I, the undersigned, holding a employed by The Harford St this report on 6-1.7 Section XI of the ASME Cod repair or replacement describ property damage or a loss of	eam and Boiler Insurance at 19 day and state to the best. By signing this certificated in this report. Furthern	and Inspection Co. est of my knowledgate neither the inspectore, neither the	of Hartfo ge and be ector nor spector no	ord. Connecticut having lief, this repair or replac his employer makes any or his employer shall be	inspected the cement has by warranty, o	e REPLACEMENT des been constructed in accor expressed or implied, con	cribed in dance with accrning the
Date: 6-13-47 Ins	· / /-/	Ramil	=	Commissions:	IL932, NB7	742 <u>N</u> ISB	
						ovince, National Board)	

1. Owner: ComEd Compan	y (Name) nal Plaza, Chicago IL, 6069	O (Address)	Date: <u>5-22-97</u>				
2. Plant: Dresden Nu	clear Power Station	(Name)				Sheet: 1 Of	1
6500 North D	Presden Road, Morris IL., 6	60450 (Address)				Unit: 3	•
3. Work Performed By: Sam	e as Above	_ (Name)		<u>wr.9:</u>	50060471 (J	PLAN 3-95-011) ation P.O. No., Job No.	etc.
Sar	ne as Above	(Address)			opan organiz		
4. Identification of System:	0203 Main Steam						
5. (a) Construction Code (b) Edition of Section >	ASME Section III KI used for Repair/Replacer	_, 19 <u>65</u> Editio	on, S66	Addenda, Code Cas	ses <u>NONE</u>	ONE	
6. Identification of Component				Modelida, Code C	JasesIN	ONE	
o. Identification of Component	as Repaired of Replaced and	Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair. Replaced or Replacement	Code Stamped Yes/No
6" Main Steam Safety Valve	Consolidated/Dresser	BK 6526	N/A	3-0203-4G	N/A	REPLACED	NO
6" Main Steam Safety Valve	Consolidated/Dresser	BK 7160	N/A	S1 #501G89	N/A	REPLACEMENT	NO
7. Description of work: Repli	nead axisting unio stages on	Eary value (1250 ca	u aniat) u	ith cabuilt coass account	shly (1240 e.u	points	
	The state of the s		j				
8. Test Conducted: Hydrosta	· · ·	•	•	e [X] Not Applical	ole []		
	Test Pressure	1050 psig -	Test Temp	perature <u>200</u> °F			
9. Remarks: Performed exam	nination during system leak	age test (hydro).					
					_		
		Certificat					
We certify that the statement						ASME Code.	
Signed : Bundas (Owner or O	wner's Designee)	ISI COORDINAT	OR _	6-12 . 19 9	Z		
					· · · · · · · · · · · · · · · · · · ·		
							
		Certifica	te of Insp	ection			
Section XI of the ASME Co- repair or replacement describ property damage or a loss of	steam and Boiler Insurance , 1947 and state to the b de. By signing this certific ped in this report. Furtherr	and Inspection Co- est of my knowled ate neither the insp nore, neither the in- connected with this	of Hartic ge and be ector nor ispector no inspection	ord, Connecticut having lief, this repair or repla his employer makes ar or his employer shall b	g inspected thacement has been warranty.	e REPLACEMENT des been constructed in accor expressed or implied, cor	cribed in dance with neerning the
Date: 6-13-9] In:	spector: Knil	/ Lapon	7	Commissions: _	IL932. NB7	742NISB ovince, National Board)	
		•	,		(State or Pro	ovince, National Board)	Ŋ.

One First National Plaza, Chicago IL, 60690 (Address) 2. Plant: Dresden Nuclear Power Station (Name) 6500 North Dresden Road, Morris IL., 60450 (Address) 3. Work Performed By: Same as Above (Name) Same as Above (Address) 4. Identification of System: 0203 Main Steam	Rep		Sheet: 1 Of Of	-
3. Work Performed By: Same as Above (Name) Same as Above (Address)	Rep		PLAN 3-95-012)	
	·	ur Organiz		
4. Identification of System: 0203 Main Steam			Zanon F.O. 140., 100 140.	etc.
5. (a) Construction Code ASME Section III , 19 65 Edition, S66 (b) Edition of Section XI used for Repair/Replacement 19 89 Edition,	Addenda, Code Cases	NONE	ONE	
	Addenda, Code Cas	es <u>!\</u>	ONE	
6. Identification of Components Repaired or Replaced and Replacement Components				
Name of Name of Mfrs. Nat Component Manufacturer Serial No. Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
6" Main Steam Safety Consolidated/Dresser BK 6532 N/A Valve	3-0203-4H	N/A	REPLACED	NO
6" Main Steam Safety Consolidated/Dresser BK 6530 N/A Valve	SI #501G89	N/A	REPLACEMENT	NO
				<u> </u>
		<u> </u>	<u> </u>	<u></u>
7. Description of work: Replaced existing main steam safety valve (1260 set point) v	vith rebuilt spare assembly	/ (1250 set	t point).	
8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure Test Pressure 1050 psig Test Tem 9. Remarks: Performed examination during system leakage test (hydro).	•	[]		
		.		
Certificate of Come We certify that the statements made in this report are correct and this REPLACEM Signed: Signed: Stendard Country ISI COORDINATOR (Owner or Owner's Designee) (Title)	ENT Conforms to Section		: ASME Code.	
(1.10		 ;		
I, the undersigned, holding a valid commission issued by the National Board of Boi employed by The Hartford Steam and Boiler Insurance and Inspection Co. of Hartford Steam and Boiler Insurance and Inspection Co. of Hartford Steam and Boiler Insurance and Inspection Co. of Hartford Steam and Boiler Insurance and Inspection Co. of Hartford Steam and Steam	iler and Pressure Vessel In ord, Connecticut having is elief, this repair or replace his employer makes any or his employer shall be in.	nspected thement has been marranty, iable in an 1932, NB7	ne REPLACEMENT describeen constructed in according expressed or implied, correct manner for any personal person	cribed in dance with neerning the

DAP 11-18 REVISION 07

1. Owner: ComEd Company	(Name)				Date:6-1	1-97	
2. Plant: Dresden Nuc	al Plaza, Chicago IL, 6069	(Name)				Sheet: 1 Of	_1_
6500 North Dr	resden Road, Morris IL., 6	0450 (Address)				Unit: 3	-
3. Work Performed By: <u>Com</u>	Ed/Bechtel	_ (Name)		WR 9	50060465 (PLAN 3-95-013) ation P.O. No., Job No.	
Sam	e as Above	_ (Address)		ĸ	tepair Organiz	auon P.O. No., Job No.	. etc.
4. Identification of System:	0203 Main Steam	_					
5. (a) Construction Code	ASME Section III	_, 19 <u>65</u> Editio	on, <u>NO</u>	Addenda, Code C	ases <u>NONE</u>		
	I used for Repair/Replacer			NO Addenda, Code	CasesN	ONE	
6. Identification of Components	Repaired or Replaced and	l Replacement Con	nponents				
Name of	Name of	Mfrs.	Nat	Other	Yr	Repair,	Code
Component	Manufacturer	Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
Electromatic Relief Valve	Consolidated/Dresser	BK 7053	N/A	3-0203-3B	N/A	Replaced	No
1층 "-12 SA194 Grade 2H Hex Nut	Unknown	Unknown	N/A	3-0203-3B	N/A	Replaced	No
nex ivat			 - · - 				-
Electromatic Relief Valve	Consolidated/Dresser	BK 7079	N/A	SI #809F19	N/A	Replacement	No
1음 "-12 SA194 Grade 2H Hex Nut	Unknown	Unknown	N/A	SI #790H78	N/A	Replacement	No
			 				—
7. Description of work: Repla	and minting Florians			huilt maga subse			
7. Description of work: Kepta	eed existing Electromatic r	ener varve assembl	iy willi re	built spare valve.			
8. Test Conducted: Hydrostati	e [] Pneumatic []	Nominal Operatin	g Pressur	e [X] Not Applica	ble []		
	Test Pressure		Test Temp	perature <u>200</u> "F			
9. Remarks: Valve was exam	ined during system leakage	test on 6/7/97, no	lenkage	was identified.			
						·	
		Certificat	e of Com	pliance			
We certify that the statements						ASME Code.	
Signed: 5 Mndar Owner or Ow	vner's/Designee)	ISI COORDINAT	OR _	6-12, 19 S	7		
(0		(1MC)					
				 	_====		
		Certifica	te of Insp	ection			
I, the undersigned, holding a employed by The Hagtford St							
	. 19 <u>7 /</u> and state to the b	est of my knowled;	ge and be	lief, this repair or repl	lacement has l	neen constructed in accor	rdance with
repair or replacement describe	ed in this report. Furthern	nore, neither the in	spector n	or his employer shall I	he liable in an	y manner for any persor	nal injury or
Date: 6-13-47 Ins	• • • • • • • • • • • • • • • • • • • •	, <u> </u>			U 022 ND7	7/28/19 0)).
Date: O 17 Ins	pector: popular	- Li Mi	in f	Commissions: _	(State or Pro	742NISB ovince, National Board)	

1. Owner: ComEd Company One First Nation	(Name) al Plaza, Chicago IL, 6069	0 (Address)			Date: <u>6-1</u>	1-97	
2. Plant: Dresden Nuc	clear Power Station resden Road, Morris IL., 6	(Name)				Sheet: <u>1</u> Of	
3. Work Performed By: Com	Ed/Bechtel	(Name)		wr 9	50060469 (1	PLAN 3-95-014)	
Sam	ne as Above	_ (Address)		R	epair Organi2	cation P.O. No., Job No.	. etc.
4. Identification of System:	0203 Main Steam	<u>.</u>					
5. (a) Construction Code _ (b) Edition of Section X	ASME Section III I used for Repair/Replacen	_, 19 <u>65</u> Editionent 19 <u>89</u> Ed	on, <u>NO</u> dition,	Addenda, Code Ca NO Addenda, Code C	ases <u>NONE</u> Cases <u>N</u>	ONE	
6. Identification of Components	s Repaired or Replaced and	l Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Electromatic Relief Valve	Consolidated/Dresser	BK 7082	N/A	3-0203-3E	N/A	Replaced	No
Electromatic Relief Valve	Consolidated/Dresser	BK 7050	N/A	SI #809F19	N/A	Replacement	No
						,	
7. Description of work: Repla	ced existing Electromatic r	elief valve assembl	ly with re	huilt spare valve.			
8. Test Conducted: Hydrostati	ic f Preumatic []	Nominal Operation	o Processr	e [X] Not Applicat	ala []		<u>,</u> .
o. rest conducted. Trydrostat.			-	perature <u>200 °F</u>	one ()		
9. Remarks: <u>Valve was exam</u>	_						
		Certificat	e of Com	pliance			
We certify that the statements						ASME Code.	
Signed: <u>Bundan</u> (Owner or Ow	ner's Designee)	(Title)	OR _	(Date)	<u>/_</u>		
		Certifica	te of Insp	pection			
I, the undersigned, holding a employed by The Hardford St this report on Section XI of the ASME Cod repair or replacement describ property damage or a loss of	team and Boiler Insurance; , 19	and Inspection Co. est of my knowled; nte neither the inspinore, neither the in	of Hartic ge and be ector nor espector no	ord. Connecticut having lief, this repair or repl his employer makes and or his employer shall b	g inspected the acement has l ny warranty,	ne REPLACEMENT des peen constructed in accor expressed or implied, co	scribed in rdance with ncerning the
Date: 6-13-97 Ins	pector:	/ Lathr		Commissions:		742NISB ovince, National Board)	

1. Owner: ComEd Company	(Name) al Plaza, Chicago IL, 606	00 (Addragg)		1	Date: <u>6-1</u>	1-97	
2. Plant: Dresden Nuc 6500 North D						Sheet: 1 Of Unit: 3	
3. Work Performed By: Com		(Name)		WR 9:	50060661-01	(PLAN 3-95-015)	-
	ne as Above	. ,				cation P.O. No., Job No.	etc.
4. Identification of System:	0203 Main Steam						
5. (a) Construction Code _ (b) Edition of Section X	ASME Section III I used for Repair/Replace	_, 19 <u>68</u> Editio	n, <u>NO</u> dition,	Addenda, Code Cas		ONE	
6. Identification of Components	s Repaired or Replaced ar	d Replacement Con	nponents	•			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Bit	Repair, Replaced or Replacement	Code Stamped Yes/No
Target Rock Relief Valve	Target Rock Corp.	130A	N/A	3-0203-3A	N/A	Replaced	No
		<u></u>	ļ <u> </u>				
Target Rock Relief Valve	Target Rock Corp.	215	N/A	SI #570E04	N/A	Replacement	No
					-		
7 Danasiation of works - Ponla	and axisting Target Back	astisf value with ash					L
7. Description of work: Repla	ced existing Target Rock	rener valve with ret	ount spare	: assembly.			
8. Test Conducted: Hydrostat	ic [] Pneumatic []	Nominal Operatin	g Pressur	e [X] Not Applicable	le []		
	Test Pressure		Test Tem	perature 200 °F			
9. Remarks: Valve examined	during system leakage tes	on 6/7/97, no leak	age obser	ved			

We certify that the statements	s made in this report are o	Certificat orrect and this REP	e of Com PLACEM	ipliance ENT Conforms to Sect	tion XI of the	ASME Code.	
Signed: Brendan	1. Casey	ISI COORDINAT	OR _	6-17 . 19 <u>9</u>	7		
(Owner or Ow	ner's Designee)	(Title)		(Date)			
		Certifica	te of Insp	pection			i
I, the undersigned, holding a employed by The Hanford St							
this report on 6 /6 Section XI of the ASME Cod	, 19// and state to the	best of my knowled;	ge and be	lief, this repair or repli	acement has l	neen constructed in accor	rdance with
repair or replacement describ property damage or a loss of					e liable in an	y manner for any person	nal injury or
1 12 (17)	pector: KiNT	I Rim,	1	Commissions:			
				_	(State or Pro	ovince, National Board)	

1. Owner: ComEd Company One First Nationa	(Name) Il Plaza, Chicago IL, 606	90 (Address)		D	ate: <u>6-1</u>	0-97	
2. Plant: Dresden Nucl	lear Power Station	(Name)				Sheet: <u>1</u> Of	
3. Work Performed By: Same						PLAN 3-95-016)	
Same	e as Above	_ (Address)		Re	pair Organiz	ration P.O. No., Job No.	etc.
4. Identification of System:	1400 Core Spray						
5. (a) Construction Code <u>I</u> (b) Edition of Section XI	JSAS B31.1.0 Lused for Repair/Replace	, 19 <u>67</u> Edition	on, <u>NO</u> lition,	Addenda, Code Cas NO_ Addenda, Code C	es <u>NONE</u>	ONE	
6. Identification of Components	Repaired or Replaced an	d Replacement Com	ponents				
Name of	Name of	Mfrs.	Nat	Other	Yr	Repair,	Code
Component	Manufacturer	Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
Valve Bonnet studs for 3- 1402-9B Valve (1 ਕੁੰਡੇ "-8 A193 Grade B7)	Unknown	Unknown	N/A	3-1402-9B	N/A	Replaced	No
Valve Bonnet stud nuts for 3-1402-9B Valve (1 을 "-8 A194 Grade 2H)	Unknown	Unknown	N/A	3-1402-9B	N/A	Replaced	No
Valve Bonnet studs for 3- 1402-9B Valve (1 3/8"-8 A193 Grade B7)	Unknown	Heat Code E9	N/A	SI #796D87	N/A	Replacement	No
Valve Bonnet stud nuts for 3-1402-9B Valve (1 हैं; "-8 A194 Grade 2H)	Unknown	None	N/A	SI #760H26	N/A	Replacement	No
	<u></u>		<u> </u>		<u> </u>		
7. Description of work: Replac	ed existing bonnet bolting	g (studs and nuts) w	hich wer	e corroded with new ma	terial.		
8. Test Conducted: Hydrostation 9. Remarks: Valve bonnet was	Test Pressure		Fest Tem	perature <u>N/A</u> °F	[X]		
We certify that the statements	made in this report are c	Certificate orrect and this REP			on XI of the	ASME Code.	
Signed: Brendan (Owner or Ow	J. Casus per's Designeed	ISI COORDINAT (Title)	OR _	(Date) 19 9	7_		
							
I, the undersigned, holding a employed by The Hartford Stathis report on	eam and Boiler Insurance 1942 and state to the learning this certification in this report. Furthermany kind arising from or the state of the state o	and Inspection Co. best of my knowledge ate neither the inspe more, neither the ins	rd of Boi of Hartfo e and be ector nor spector n	ler and Pressure Vessel ord, Connecticut having lief, this repair or replac his employer makes any or his employer shall be n.	inspected the ement has be warranty, liable in an	ne REPLACEMENT des been constructed in accor expressed or implied, con y manner for any person	eribed in dance with neerning the
Date: <u>6-11-97</u> Insp	ector: Ligf	1 winey	<u></u>	Commissions:	L932, NB7 (State or Pro	742NISB ovince, National Board)	

							
1. Owner: ComEd Company One First Nation	(Name) al Plaza, Chicago IL, 6069	O (Address)		Da	te: <u>6-1</u> :	3-97	
	elear Power Station resden Road, Morris IL.,					Sheet: 1 Of _	<u>I</u>
3. Work Performed By: _Com				WR 9500	065 74 7 a	Unit:3 PLAN_3-95-017)	
-	ne as Above	- ` <i>'</i>		Repa	air Organiz	cation P.O. No., Job No.	etc.
4. Identification of System:	2300 HPCI	<u>-</u>					
	USAS B31.1.0/ASME Sec I used for Repair/Replacer						
6. Identification of Components		-		Addenda, Code Cas	SCS 14	-410-1	
	· · ·		· 1	<u> </u>	T		
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair. Replaced or Replacement	Code Stamped Yes/No
Line 3-2306-16"-LX (Piping Downstream of 3- 2301-74 Valve)	N/A	N/A	N/A	3-2306-16"-LX	N/A	Replaced	No
16" X 12" Short Radius Reducing Elbow (A234 Grade WPB)	Consolidated Supply	Heat Code KKIB	N/A	SI #816C24	1996	Replacement	No
Two 12" 150# Pipe Flanges (A105)	Ecker-Erhardt	Serial Numbers B45473-1 and B45473-2	N/A	SI #817D57	1996	Replacement	No
12" Diameter Seamless Pipe (A106 Grade B)	Unknown	Heat A04123	N/A	SI #788B20	N/A	Replacement	No
(24) $\frac{7}{13}$ "-9 Hex Num (A194 Grade 2H) 846 7-15-41	Unknown	Unknown	N/A	SI #530A10	N/A	Replacement	No
(12) $\frac{7}{13}$ "-9 Bolts (A193 Grade B7)	Unknown	Unknown	N/A	SI #792B77	N/A	Replacement	No
7. Description of work: <u>Installerate testing of valve</u> . Special testing of valve.							
8. Test Conducted: Hydrostati	ie [] Pneumatie []	Nominal Operating	Pressur	e [X] Not Applicable	[]		
	Test Pressure	29 N/A psig T	est Tem	perature <u>N/A</u> °F			
9. Remarks: New piping and	holted connection examine	d during HPCI surv	eillance :	DOS 2300-03 per Dresder	n Station T	hird Interval Relief Reque	est PR-14.
We certify that the statements	s made in this report are co	Certificate prrect and this REPI			n XI of the	ASME Code.	
Signed : <u>Brendan</u> (Owner or Ow	1. Cases Ver's Designed	ISI COORDINATO (Title)	<u> </u>	7-10 . 19 <u>97</u> (Date)	-		
			-		· · · · · · · · · · · · · · · · · · ·		
		Certificate					
Section XI of the ASME Cod repair or replacement describ- property damage or a loss of	eam and Boiler Insurance, 1947. and state to the bee. By signing this certificed in this report. Furthern any kind arising from or y	and Inspection Co. est of my knowledg ate neither the inspe nore, neither the ins connected with this i	of Hartfore and be ctor nor pector no named in the contraction of the	ord, Connecticut having in lief, this repair or replace his employer makes any or his employer shall be I	nspected the ment has his warranty, a	e REPLACEMENT described constructed in accordance to the constructed in accordance to the construction of	ribed in lance with cerning the
Date: Ins	pector: Kutt	J Jan 1	<u>'</u>	Commissions: IL (S	.932, NB77 State or Pro	742NISB ovince, National Board)	

1. Owner: ComEd Company	(Name)			Da	ite:5-1	9-97	
**	less Paus Station					Sheet: 1 Of	3
Plant: <u>Dresden Nuc</u> 6500 North Dr	lear Power Station esden Road, Morris IL.,	_ (Name) 60450 _ (Address)				Unit:3	
. Work Performed By: <u>Com</u>	Ed\General Electric	(Name)		WR 950	069482 (I	PLAN 3-95-018) ation P.O. No., Job No.	
Sam	e as Above	(Address)		Кер	an Organiz	ation F.O. 140., 100 140.	eic.
. Identification of System:	0300 Control Rod Driv	<u>e</u> ·					
. (a) Construction Code	ASME Section III I used for Repair/Replace	, 19 <u>65</u> Editio	n, <u>Win</u>	ter 1965 Addenda, Cod	e Cases	1335-2, 1361 and 1352 ONE	
(b) Edition of Section X. Identification of Components				Addenda, Code Ca	ses	ONE	
Name of		T	T	011	T ,,	Paraira.	Code
Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Stamped Yes/No
Control Rod Drive (CRD) Unit	General Electric	A2767	*	Location N-9	1979	Replaced	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Unknown	N/A	Location N-9	N/A	Replaced	No
Control Rod Drive (CRD) Unit	General Electric	949	*	SI #219A56	1968	Replacement	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Heat Code K2VA	N/A	SI # 808E09	N/A	Replacement	No
Control Rod Drive (CRD) Unit	General Electric	286		Location B-9	1968	Replaced	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Unknown	N/A	Location B-9	N/A	Replaced	No
Control Rod Drive (CRD) Unit	General Electric	568C	•	SI #219A56	1967	Replacement	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Heat Code CWQ	N/A	SI #808E09	N/A	Replacement	No
Description of work: Removes							
Stores as spares. * See c	ode data report.						
Test Conducted: Hydrostati		Nominal Operating	-	•	[]		
	Test Pressure	1050 psig 7	Test Tem	perature <u>200</u> °F			
Remarks: VT-2 examinatio	n during system leakage	test.		<u> </u>			
We certify that the statements	made in this report are c	Certificate			n XI of the	ASME Code.	
We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Bundar J. Custy ISI COORDINATOR 6-13 . 19 97 (Owner or Owner's Designee) (Title) (Date)							
(Owner or Ow	ngt's Designee)	(Title)		(Date)	- 		
-,		Certificat	te of Inst	ection			 .
Section XI of the ASME Code repair or replacement describe property damage or a loss of	eam and Boiler Insurance 191 and state to the lee. By signing this certificed in this report. Further any kind arising from or	and Inspection Co. best of my knowledge ate neither the inspe- more, neither the in- connected with this	of Hartfo ge and be ector nor spector n	ord, Connecticut having i lief, this repair or replace his employer makes any or his employer shall be	nspected the ement has be warranty, o	te REPLACEMENT des neen constructed in accor expressed or implied, con	cribed in dance with neerning the
Date: 6-13-47 Insp	pector: /w/	1 famil		Commissions:			
	•	,		(State or Pro	ovince, National Board)	

CATEGORY 3

FORM NIS-2 SUPPLEMENT

DAP 11-18 OWNER'S REPORT OF REPAIR OR REPLACEMENT SUPPLEMENTAL SHEET REVISION 07

1. Owner:	: ComEd Company (Name) One First National Plaza, Chicago IL, 60690 (Addre	ess)	Date: <u>5-19-97</u>	
2. Plant:	Dresden Nuclear Power Station (Name) 6500 North Dresden Road, Morris IL., 60450	(Address)		Sheet: 2 Of 3 Unit: 3
3. Work F	Performed By: ComEd\General Electric	(Name)	WR 950069482 (PLAN 3-95	
	Same as above	_ (Address)	Repair Organization P	.O. No., Job No. etc
4. Identific	cation of System: 0300 Control Rod Drive			
5. (a)	Construction Code ASME Section III , 19 65	Edition, Winter 1965 A	ddenda, Code Cases 1335-2	1361, 1352

(b) Edition of Section XI used for Repair/Replacement 19_89 Edition, NO ____ Addenda, Code Case _ NONE 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Repair, Code Mfrs. Nat Other Yr Stamped Component Serial No. Brd ID Blt Replaced or Replacement Yes/No No Control Rod Drive (CRD) General Electric A3330 Location L-12 1982 Replaced Yes Unit CRD Flange Cap Screws (8 General Electric Unknown Location L-12 N/A Replaced No N/A Total) Control Rod Drive (CRD) 979 SI #219A56 1969 General Electric Yes Replacement CRD Flange Cap Screws (8 General Electric Heat Code SI#808E09 N/A Replacement No N/A CCP Total) Control Rod Drive (CRD) General Electric 30 Location N-4 1968 Replaced Yes CRD Flange Cap Screws (8 General Electric Unknown N/A Location N-4 N/A Replaced No Total) 1968 Control Rod Drive (CRD) 78 SI #219A56 Replacement Yes General Electric SI #808E09 No CRD Flange Cap Screws (8 General Electric Heat Code N/A N/A Replacement K2VA Total) Control Rod Drive (CRD) General Electric 883 Location J-9 1969 Replaced Yes Unit CRD Flange Cap Screws (8 General Electric Unknown N/A Location J-9 N/A Replaced No Total) Control Rod Drive (CRD) General Electric 824 SI #219A56 1969 Replacement Yes CRD Flange Cap Screws (8 General Electric Heat Code N/A SI #808E09 N/A Replacement No Total) K2VA 1982 Control Rod Drive (CRD) General Electric A5503 Location L-9 Replaced Yes CRD Flange Cap Screws (8 General Electric Unknown N/A Location L-9 N/A Replaced No Total) SI #219A56 Control Rod Drive (CRD) 728C 1967 Yes General Electric Replacement Unit CRD Flange Cap Screws (8 General Electric Heat Code N/A SI #808E09 N/A Replacement No CWQ Total) Control Rod Drive (CRD) 1984 A6682 Location G-10 General Electric Replaced Yes Unit CRD Flange Cap Screws (8 General Electric Unknown N/A Location G-10 N/A Replaced No Total) Control Rod Drive (CRD) 944 SI #219A56 1969 Yes General Electric Replacement Unit SI #808E09 N/A CRD Flange Cap Screws (8 General Electric Heat Code N/A Replacement No CWQ Total)

CATEGORY 3

FORM NIS-2 SUPPLEMENT OWNER'S REPORT OF REPAIR OR REPLACEMENT SUPPLEMENTAL SHEET DAP 11-18 REVISION 07

1. Owner:_	ComEd Company (Name)		Date:5-19-97	
2. Plant:	One First National Plaza, Chicago IL, 60690 (Address Dresden Nuclear Power Station (Name) 6500 North Dresden Road, Morris IL., 60450	ess) (Address)		Sheet: 3 Of 3 Unit: 3
3. Work Pe	erformed By:ComEd\General Electric	(Name)	WR 950069482 (PLAN 3-9	95-018)
	Same as above	_(Address)	Repair Organization	P.O. No., Job No. etc.
4. Identifica	ation of System: 0300 Control Rod Drive			
5. (a) (b) I	Construction Code <u>ASME Section III</u> , 19 65 Edition of Section XI used for Repair/Replacement 19 89	Edition, Winter 1965 Edition, NO	Addenda, Code Cases 1335- Addenda, Code Case	2, 1361, 1352 NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Control Rod Drive (CRD) Unit	General Electric	605C	+	Location J-4	1967	Replaced	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Unknown	N/A	Location J-4	N/A	Replaced	No
Control Rod Drive (CRD) Unit	General Electric	1057	*	SI #219A56	1969	Replacement	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Heat Code CWQ	N/A	SI #808E09	N/A	Replacement	No



FORM N-2 MANUFACTURERS' PARTIAL BATA REFUR! A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules.

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jone, Calliferent Manufacturer of plant
(b) Manufactured for General Electric Co. For use with reactor profiler vessel
2. Identification-Manufacturer's Script No. of Part 879, 893, 895, 897, 901, 905, 949. 1041
NOTE: Code File 102 What (a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by 1). L. PCLCPSON
geri
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
<u>code cases no. 1335-2, 1361, and 1352</u>
See sketch showing configuration and materials used. Hydro to ted at 2000;
• • • • • • • • • • • • • • • • • • •
(Merel description of service for which kessel part was destruct) We certify that the statements made in this report are correct and that all details of matrixely design, resolution to the statements and the statement of matrixely design, resolution to the statement of the sta
this pressure vesset conform to the ASME Code for Nucleur Vessels.
Date January 28, 10 69 Signed General Electric Co. APED to 19
Certificate of Authorization Expires December 31, 1970
CERTIFICATION OF DESIGN
Design information of the at General Electric Co., APED, 175 Curtner Ave; San deer, (**)
Stress analysis report on file at General Electric Co., APLD, 175 Curtner Ave; Sen Jone, telli-
Design specifications certified by W. Schultheis Prof. Eng. M. E., State Collif Reg. M. 1911)
Stress analysis report certified by R. L. Call Prof. Eng. H. F. enge Call If they in 1.45
CERTIFICATE OF SHOP INSPECTION
I, the understaned, holding a valid commission issued by the National Hourd of Roder, and Pression Versel papers of California and employed by Division of Industrial Safety Dept. of Industrial Relations have inspected the part of a pressure versel design.
Dept. of Industrial Relations have inspected the part of a pressure vessel descript the three on the control of
this part in accordance with the ASME Code for Nucleur Vessels.
By signing this certificate, neither the Inspector nor his employer makes any waternty, experient or a place of a period in this manufacturer's partial data report. Furthermore, neither the Inspector nor his expector in the list to the content of personal injury or property damage or a loss of any kind arising from or connected with this inequality.
1-291 / 10/9
166 Julisone Commissions (12 574)
Instruction a stignisture

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FURM'N-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer

As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(hand and address of Manufacture of Completed market vessel
2. Hentilioution-Manufacturer's Serial No. of Part 102: 568 6420
(124 (9) Constructed According to Browing No. 237E179 G3 Livewing Propured by D. L. Peterson
(a) Description of Part Inspected Control Rod Drive
Fabricated and inspected in accordance with Section III and applicable
code cases no. 1335-2, 1361, and 1352
"See sketch showing configuration and materials used. Hydro tested at 2110 psi
er de la companya del companya de la companya del companya de la companya del companya de la companya de la companya de la companya del companya de la companya del la companya
(Brief description of service for which we well part was designed)
The gentify that the statements made in this report are correct and that all details of material, design, our struction, and work the pressure vessel conform to the ASHE Code for Nuclear Vessels.
October 6, 19 67 Signed General Electric Co., APIDing
Correlation of Authorization Explica December 31, 1967
CERTIFICATION OF DESIGN
Design information of file atGeneral Electric Co., APED, 175 Curtner Ave; San Jose, California
-Stress analysis report on fits at General Electric Co., APED, 175 Curtner Ave; San Jose, California
Design specifications certified by W. Schultheis Prof. Eng. State Calif News. No. M11138
Stress analysis report certified by R. L. Call Prof. deg. Minie Cillif Heg. No. 13540
CERTIFICATE OF SHOP INSPECTION
rever I, the undersigned, halding a valid commission issued by the National Hourd of Builer and Pressure Vester Inspectors and or the State
California endemployed by Division of Industrial Safety
Dept. of Industrial Relations have inspected the part of a pressure vessel described to this manufacturer's partial data
this part in accordance with the ASUE Code for Nuclear Vessels.
By signing this certificate, neither the Inspector nor his employer makes any warrandy, expressed at implied, a marring the part de
"maribed in this manufacturer's partial data report. Further nore, neither the inspector nor his employer shall be finite in any resource for any impressional injury or property damage or a loss of any kind arising from or connected with this inspection.
process and yet property statistics of a line of any annual states of the states of th
Date
Inspector's Signature Commissions Commission Co

FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(b) Manufactured for General Electric Co. For use with reactor pressure vessel (Name and address of Manufacturer of completed nuclear vessel)
2. Identification-Manufacturer's Serial No. of Part 782, 929, 934, 967, 979, 1032, 1040 NOTE: Code File 102 (a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Peterson
(b) Description of Part Inspected Control Rud Drive
3. Remerks: Fabricated and inspected in accordance with Section III and applicable
code cases no. 1335-2, 1361, and 1352
See sketch showing configuration and materials used. Hydro tested at 2110 ps
(Brief description of service for which vessel part was designed) We certify that the statements made in this report are correct and that all details of material, design, construction, and workership.
this pressure vessel conform to the ASME Code for Nuclear Vessels.
January 31, 19 69 signed General Electric Co. APED By (Land) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Certificate of Authorization Expires December 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., APED, 175 Curtner Ave; San Jose, Cal if Ornia
Stress analysis report on file atGeneral Electric Co., APED, 175 Curtner Ave; San Jose, California
Design specifications certified by W. Schultheis Prof. Eng. M. E-State Calif Reg. No. M11155
Stress analysis report certified by R. L. Cill Prof. Eng. M. E. State Calif Reg. No. 13510
CERTIFICATE OF SHOP INSPECTION
I, the understaned, holding a valid commission issued by the National Board of Botter and Pressure Vesset Inspective and the State California and employed by Division of Industrial Safety
Dept. of Industrial Relations have inspected the part of a presture vessel described in this manufacturer's partial factors of the part of
this part in accordance with the ASME Code for Nuclear Vessels.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, converting the part is septimed in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be finished in any manner to an
personal injury or property damage or a loss of any hind artisting from on connected with this inspection.
1.3/
Date 19 19 19 19 19 19 19 19 19 19 19 19 19

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FORM N-2 MANUFACTURERS FARTIAL DATA REPORT 1022-10 A Part of a Nocient Vessel Palaceted by One Handacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules
1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(b) Manufactured for General TElectric Co. For use with reactor pressure vessel
2. Identification-Manufacturer's Serial No. of Part 102: 8, 51 78, 106, 107, 134
transfer transfer put to the property of the p
(b) Description of Part Inspected
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases no := 1335-2; = 1361; = and = 1352
See-sketch showing configuration and materials used. Hydro tested at 2110 psi
Continue Attention (Welded, British)
tenders (Attachment Lenders Len
We certify that the elatements made In this report are correct and that all details of material, design, construction and workmanship of
January 15 19 68 Henred General Electric Co. APED ny // Kerrault
Certificate of Authorization Empire of December 31, 1970
CERTIFICATION OF DESIGN
Apella of the or the state of t
Strees analysis report on file at General Electric Co., APED, 175 Curtner Ave; San Jose, California
Design epositions account of by with W. Schultheis Prof. Eng. Store Califice, No. M11138
Stress analysis report certified by R. L. Call Prof. Eng State Call Free, No. 13540
CERTIFICATE OF SHOP INSPECTION
i, the understaned, helding a valid commission issued by the National Buard of Boiler and Pressure Vessel Inspectors and/or the State of California and employed by Division of Industrial Safety Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data
. spect on is and state that to the best of my knowledge and helief, the manufacturer has constructed this part in secondance with the ASME Code for Nuclear Vessels.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the parties seribed in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date
Inspector's Signature Communicions (PCF (7.0 (s) National Board or State and No.

CINOTALN SAME AND THE PARTY NAME AND STREET

FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by General Electric Co., R&FMO, 175 Curtner Ave: San Jose, California
(b) Manufactured for General Electric Co. For use with reactor pressure vessel
2. Identification-Monufacturer's Serial No. of Peri 295, 824, 956, 958, 962, 963, 969, 988, 997, 1061, 1207, 1210, NOTE: Code File 102 1215, 1255, 1267 (a) Constructed According to Drawing No. 237E179 G3 Drawing Prepared by D. L. Peterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases no. 1361
See sketch showing configuration and materials used. Hydro tested at 2110 psi
(Helef description of service for which vessel part wes designed)
We certify that the statements made in this report are correct and that all details of material, design, construction, and where analog of this pressure vessel conform to the ASME Codefor Nuclear Vessels.
Date April 2. 10 69 Signed General Electric Co. R&FMO By LUPPINIA CIF
Constituted of Authoritation Expuss December 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, Cal fornia
Strees energets en file et General Electric Co., R&FMO, 175 Curtner Ave; San Jose, "al mernia
Design specifications carified by W. Schultheis Prof. Eng. M. E. State Calif Reg. No. M11138
Strees enalystereport certified by R. L. Call Prof. Eng M.E. State Calif Reg. No. 13540
CERTIFICATE OF SHOP INSPECTION
i, the undersigned, helding a valid commission issued by the National Rosel of Roller and Pressure Vessel Inspectors and the State California and employed by <u>Division of Industrial Safety</u> Dept. of Industrial Relations have inspected the part of a pressure vessel feacethed in this manufacture of partial than
report on 4-4- 1967, and state that to the best of my knowledge and helpef, the manufacturer has shared test
this part in accordance with the ASME Code for Nuclear Vessels. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, one entire the part de-
peribed in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be lighted in any manufacturer's
personal injury or property damage or a loss of any kind existing from or connected with this inspection.
Date 4-4- 10691
M. Mi Jarres Commissione and 706

FORM N-2 MANUFACTURERS PARTIAL DATA REPORT 20 2714722 Jill TO A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules "IT (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; Sun Jose, California (Name and address of Manufacturer of part) (b) Manufactured for General Blectric Co. For use with reactor pressure vessel. 2. Identification-Manufacturer's Serial No. of Part 102: 490-C. 728-C (4) Constructed According to Drawing No. 237E179 G3 Drawing Penpared by He he PCLGESON (b) Description of Part Inspected _____ Control Rod Drive 3. Remarks: Rabricated and inspected in accordance with Section III and applicable -code cases no. 1335-2: 1361, and 1352 "See sketch showing configuration and materials used. Hydro tested at 2110 psi A DESCRIPTION OF THE PROPERTY mil (Rejef description of suresce for which were I part was designed) forcertify that the statements made in this report are correct and that all details of material, design, construction, and worknametric this pressure yearel conform to the ASME Code for Nucleur Vessels. "Date - October 11 167 | Signed General Electric Co. APHD By Lucy | Communications | Co. APHD By Co. | Certificate of Authorization, Expires ___ December 31, 1967 ____ CERTIFICATION OF DESIGN Design Information of file at General Electric Co., APED, 175 Curtner Ave; San Jose, California Stress analysis report on tile at General Electric Co., APED, 175 Curtner Ave; San Jose, California Design approfitions consisted by W. Schultheis Prof. Eng. State Calif Reg. So. 111138 Stress unsignis report certified by R. L. Call Prof. Eng. State Call Res. No. 13540 CERTIFICATE OF SHOP INSPECTION 🐃 I, the undersigned, holding a valid commission issued by the National Board of Hoder and Pressure Vessel Inspectors and Corner State and employed by Division of Industrial Safety Dept of Industrial Relations have inspected the part of a pressure vessel described in this manufacture of partial land this part in accordance with the ASME Code for Nuclear Vessels. By signing this certificate, neither the Inspector nor his employer makes and warranty, expressed or modified a maximum that is scribed in this manufacturer's partial data report. Furthermore, neither the Inspect or nor his employer shall be limble in any manufacturer or an personal injury or property damage or a loss of any kind artaing from or connected with this inspection

Tipot it said of a mile



FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

1. (a) Menufactured by General Electric Co., R&FMO, 175 Curtner Ave: San Jose, California (Name and address of Manufacturer of part)
(Name and address of Manufactured for USSUFE VESSE) (Name and address of Manufacture of completed nuclear vessel)
2. Identification-Manufacturer's Script No. of Part. 768, 843, 944, 1201,
NOTE: Code File 102 (a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Potorson
(b) Description of Part Inspected Control Rod Drive
** Remarker Fabricated and inspected in accordance with Section III and applicable
code cases no1361
See sketch showing configuration and materials used. Hydro tested at 2110 per
(Brief description of service for which vessel part was designed)
to 1.4 . We certify that the statements made in this report are correct and that all details of material, design, construction, and work this pressure result conform to the ASME Code for Nuclear Vessels.
Posts March 21, 19 69 Signed General Electric Co, R&FMO., / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /
Market Control of the
Certificate of Authorization Expires December 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, Callifornia
Streen enalysis report on file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
Design specifications cartified by W. Schultheis Prof. Eng. M. E. State Califies, No. M11138
Stress analysis report certified by R. L. Call Prof. Eng M.E. State Callif Reg. No. 15540
CERTIFICATE OF SHOP INSPECTION
the understance, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and a the State California and employed by Division of Industrial Safety
Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data report on 3-2/- 1969, and state that to the best of my knowledge and helief, the manufacturer has constructed in
this part in accordance with the ASMR Code for Nuclear Vessels.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the particle.
peribed in this manufacturer's pertial data report. Furthermore, neither the inspector nor his employer shall be liable in any cannor for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
19 6 7
Inspector's Signifure Commissions C. C. Nettonal Board or State and No.

FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
(Name and address of Manufactures of completed nuclear vessel)
3. Identification-Manufacturer's Serial No. of Part 888A, 900, 906, 977, 1030, 1046, 1049, 1052, 1057, 1062, 1070, 108
NOTE: Code: File 102
(a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Poterson
(a) Description of Part InspectedControl Rod Drive
\$ \$\frac{1}{2} \tau \tau \tau \tau \tau \tau \tau \tau
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases no. 1335-2, 1361, and 1352
See sketch showing configuration and materials used. Hydro tested at 2110 psi
STATE CONTROL OF THE PROPERTY
(Brief description of service for which vessel part was designed)
this pressure vessel conform to the ASME Code for Nuclear Vessels.
Date March 5, 19 69 Signed General Electric Co, R&FMOny (Manufacturer)
Correlation to Authorization Expires December 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
Stress analysis report on file at General Electric Co., R&FMO, 175 Curtner Ave; San Jose, California
Peolign specifications certified by W. Schultheis Prof. Eng. M. E-Sinte Calif Reg. No. Mil 1138
AND THE RESERVE OF THE PARTY OF
Strees enelysis report certified by R. L. Call Prof. Eng M. E. State Calif Rev. No. 1354()
CERTIFICATE OF SHOP INSPECTION
California and employed by Division of Industrial Safety
Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial day.
report on 19, and state that to the best of my knowledge and belief, the manufacture: has constructed
this part in accordance with the ASME Code for Nuclear Vessels.
neribed in this manufacturer's portial data report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any
personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Bate 3 - 3 - 10 6 7
Inaposition dignature Commissions (National House of Brate and the

							
1. Owner: ComEd Company One First Nationa	(Name) l Plaza, Chicago IL, 606	90 _ (Address)		Dat	e: <u>5-2</u>	8-97	
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: _1 Of Unit: _ 3	
3. Work Performed By: Same		(Name)		WR 9400	96861 (1	PLAN 3-96-009)	-
Same	as Above	_ (Address)		Repa	ir Organiz	ration P.O. No., Job No.	. etc.
. Identification of System:	1500 CCSW	_					
. (a) Construction Code <u>U</u>	JSAS B31.1.0	, 19 <u>67</u> Editi	оп, <u>NO</u>	Addenda, Code Cases NO_ Addenda, Code Cas	NONE	<u>. </u>	
	-			NO Addenda, Code Cas	esN	ONE	
. Identification of Components	Repaired or Replaced an	d Replacement Con	nponents	······································			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Discharge Elbow on 3B CCSW pump/Line to CCSW Vault Room Cooler	Unknown	Unknown	N/A	Line 3-1501B-10"-D/ 3-15101B-2"-D	N/A	Repair	No
7 *-9 A193 Grade B7 Bolts	Unknown	Unknown	N/A	None	N/A	Replaced	No
7ੂ "-9 A194 Grade 2H Hex Nuts	Unknown	Unknown	N/A	None	N/A	Replaced	No
੍ਰੌ "-9 A193 Grade B7 Bolts	Unknown	Unknown	N/A	SI #792B77	N/A	Replacement	No
2 8 "-9 A194 Grade 2H Hex Nuts	Unknown	Unknown	N/A	SI #530A10	N/A	Replacement	No
. Description of work: Repaired refer to accommodate the addition ocket weld after repair to elbown. Test Conducted: Hydrostation	n of hardened washers. T was completed. [] Pneumatic []	wo inch socket weld Nominal Operatin	on line to	room cooler removed in o	rder to gair		
Remarks: Examination perf	ormed during CCSW pur	າາກ ກາດ.					
We certify that the statements Signed: PAINAAM	made in this report are c	Certificat orrect and this REI	'AIR/RE			XI of the ASME Code.	,
(Owner or Ow)	her's Design y e)	(Title)		(Date)	· 		
							
I, the undersigned, holding a employed by The Hartford Ste described in this report on accordance with Section XI of implied, concerning the repair any personal injury or propert	am and Boiler Insurance 1 , 19 / and the ASME Code. By si or replacement describes	by the National Boa and Inspection Co. state to the best of gning this certificate d in this report. Fu	of Hartfo my know e neither t rthermore	ler and Pressure Vessel In ord, Connecticut having in fledge and belief, this repa the inspector nor his emplo to neither the inspector nor	ispected the ir or repla oyer make	e REPAIR/REPLACEN accement has been constru- as any warranty, expression	MENT acted in ed or
7.7.07	ector: XVV I	ainez		Commissions: IL		742NISB ovince, National Board)	

1. Owner: ComEd Company One First Nationa	(Name) I Plaza, Chicago IL, 6069	90 (Address)		I	Date: <u>6-1</u>	1-97			
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: _1_ Of _ Unit:3			
	. Work Performed By: ComEd/Bechtel (Name) WR 950063282 (PLAN 3-96-011) Repair Organization P.O. No., Job No. etc.								
Same	as Above	_ (Address)		Re	pair Organiz	ation P.O. No., Job No.	etc.		
4. Identification of System:	0220 Reactor Feedwater	_							
5. (a) Construction Code L (b) Edition of Section XI	JSAS B31.1.0 used for Repair/Replaces	, 19 <u>67</u> Editionent 19 <u>89</u> Ed	on, <u>NO</u> lition,	Addenda, Code Ca	ses <u>NONE</u>	ONE			
6. Identification of Components	Repaired or Replaced and	d Replacement Com	ponents						
			T						
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No		
Seat Ring Assembly for 3- 0220-58A Feedwater Check Valve	Crane Valve	Unknown	N/A	3-0220-58A	N/A	Replaced	No		
Bonnet Hex Nuts (1 है "- 8 A194 Grade 7)	Unknown	Unknown	N/A	3-0220-58A	N/A	Replaced	No		
Bonnet Studs (1⅓ "- 8 A193 Grade B&)	Unknown	Unknown	N/A	3-0220-58A	N/A	Replaced	No		
Seat Ring Assembly for 3- 0220-58A Feedwater Check Valve	Crane Valve	C6389	N/A	SI #817B51	1996	Replacement	No		
Bonnet Hex Nuts (1ਜ਼ੌ "- 8 A194 Grade 7)	Unknown	None	N/A	SI #796D18	N/A	Replacement	No		
Bonnet Studs (1 ² / _B "- 8 A193 Grade B7)	Unknown	Noné	N/A	SI #760G26	N/A	Replacement			
7. Description of work: Replace with seat leakage. Hex nuts wer	e damaged during valve of	lisassembly and wer	re replace	d with new material. N	o reason giv				
8. Test Conducted: Hydrostatic		•	-		5 [A]				
	•			perature <u>N/A</u> "F					
9. Remarks: Valve was examin	ned during system leakage	e test on 6/7/97, no	leakage	was identified.	· · · · · · · · · · · · · · · · · · ·				
									
We certify that the statements	made in this report are co	Certificate orrect and this REP		ENT Conforms to Secti		ASME Code.			
Signed: Drenden (Owner or Own	designee)	(Title)	<u>OR</u>	$\frac{6-12}{(Date)}.199$	_				
		Certificat	e of Insp	ection					
I, the undersigned, holding a very employed by The Hantford Stethis report on 6.72. Section XI of the ASME Code repair or replacement describe property damage or a loss of a	am and Boiler Insurance 19 <u>47</u> and state to the b . By signing this certific d in this report. Further	and Inspection Co. sest of my knowledg ate neither the inspen more, neither the ins	of Hartfo ge and he ector nor spector no	ord, Connecticut having lief, this repair or repla his employer makes an or his employer shall be	inspected the coment has by warranty.	e REPLACEMENT des seen constructed in accor expressed or implied, con	cribed in dance with neerning the		
Date: <u>6 12 - 4</u> Insp	7) L	Thans		Commissions:	IL932, NB7 (State or Pro	742NISB ovince, National Board)			

1. Owner: ComEd Company (Name) Date: 6-11-97 One First National Plaza, Chicago IL, 60690 (Address)							
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: _1_ Of	
3. Work Performed By: <u>Com</u> E		_ (Name)				PLAN 3-96-012) Lation P.O. No., Job No.	-
4. Identification of System:		_					
5. (a) Construction Code <u>U</u> (b) Edition of Section XI	ISAS B31.1.0 used for Repair/Replace	, 19 <u>67</u> Edition ment 19 <u>89</u> Ed	on, <u>NO</u> lition,	Addenda, Code Cas NO_ Addenda, Code Ca	es <u>NONE</u> 1ses <u>N</u>	ONE	
6. Identification of Components	Repaired or Replaced an	d Replacement Com	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Seat Ring Assembly for 3- 0220-58B Feedwater Check Valve	Crane Valve	Unknown	N/A	3-0220-58B	N/A	Replaced	No
Bonnet Hex Nuts (1 है "- 8 A194 Grade 7)	Unknown	Unknown	N/A	3-0220-58B	N/A	Replaced	No
Seat Ring Assembly for 3- 0220-58B Feedwater Check Valve	Crane Valve	C6390	N/A	SI #817B51	1996	Replacement	No
Bonnet Hex Nuts (1 graph = 8 A194 Grade 7)	Unknown	None	N/A	SI #796D18	N/A	Replacement	No
		<u> </u>	<u> </u>				<u> </u>
7. Description of work: Replace with seat leakage. Twelve hex r						95-206 to address longst	anding problem
8. Test Conducted: Hydrostatic	[] Pneumatic []	Nominal Operating	g Pressur	e [] Not Applicable	[X]		
	Test Pressure	N/A psig	Fest Tem	perature <u>N/A</u> "F			
9. Remarks: Valve was exami	ned during system leakag	e test on 6/7/97, no	leakage	was identified.			
We certify that the statements Signed: <u>Brendan (Owner or Owl)</u>		Certificate orrect and this REP ISI COORDINAT (Title)	LACEM			ASME Code.	
I, the undersigned, holding a employed by The Hartford Ste this report on Section XI of the ASME Code repair or replacement describe property damage or a loss of a Date:	am and Boiler Insurance 19 and state to the b By signing this certified in this report. Further any kind arising from or	and Inspection Co. best of my knowledge ate neither the inspe- more, neither the ins- connected with this	rd of Boil of Hartfore and be ector nor spector no inspection	ler and Pressure Vessel ord, Connecticut having lief, this repair or replac his employer makes any or his employer shall be n.	inspected the cement has to warranty, liable in an	ne REPLACEMENT des neen constructed in accord expressed or implied, co	scribed in rdance with neerning the
El .			•	'	Care of FIG	(rational boats)	1

										
1. Owner: ComEd Company One First Nationa	(Name) Il Plaza, Chicago IL, 6069	00 (Address)		Da	nte: <u>6-10</u>	5-97				
2. Plant: Dresden Nuc	Sheet: <u>1</u> Of <u>1</u>									
	3. Work Performed By: ComEd/Bechtel (Name) WR 950046326 (PLAN 3-96-015)									
Sam	e as Above	(Address)		Rep	air Organiz	ation P.O. No., Job No.	etc.			
4. Identification of System:		- (
5. (a) Construction Code 1 (b) Edition of Section X	JSAS B31.1.0 I used for Repair/Replacer	, 19 <u>67</u> Edition	n, <u>NO</u>	Addenda, Code Case	s <u>NONE</u>	ONE	<u> </u>			
6. Identification of Components										
	 		 	 	 _					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No			
Seat Ring Assembly Crane "Y" Pattern Globe Valve	Crane Valve	Unknown	N/A	3-0203-2В	N/A	Replaced	No			
Main Disc for Crane "Y" Pattern Globe Valve	Crane Valve	Unknown	N/A	3-0203-2В	N/A	Replaced	No			
Upper and lower guide liners	Crane Valve	Unknown	N/A	3-0203-2B	N/A	Replaced	No			
Seat Ring Assembly Crane "Y" Pattern Globe Valve	Crane Valve	C3933	N/A	SI #570D55	1996	Replacement	No			
Main Disc for Crane "Y" Pattern Globe Valve	Crane Valve	None	N/A	SI #570F06	N/A	Replacement	No			
Valve Guide Liner Retrofit Kit	Crane Valve	Not Recorded	N/A	SI #812C89	N/A	Replacement	No			
7. Description of work: Replace	ed existing seat ring assemb	olv. main disc. and g	uide line	r with new seat ring asse	nbly and re	trofit kit from valve OEM	(Crane Valve)			
Existing main disc replaced with problem with attachment welds of	refurbished spare. Work fo	or seat ring and guide	liner rep	lacement was per P12-3-9	4-213. Gui	de liners replaced to addre	ss longstandin			
8. Test Conducted: Hydrostatic		Nominal Operating			IX I		-			
	Test Pressure	, ,		perature _N/A _ °F	1					
9. Remarks: Valve was exami										
7. Kemarks. Varyo was exam	ned during system leakage	test (iii or ii y i , no		was identified.						
										
We certify that the statements	made in this report are co	Certificate orrect and this REPI	ACEM	puance ENT Conforms to Section	n XI of the	ASME Code.				
Signed: Brendan	J. Casey	ISI COORDINATO	<u>DR</u>	6-16, 19 <u>97</u>	_					
(Owner or Ow	ners Designee)	(Title)		(Date)						
		Certificate	of Insp	ection						
I, the undersigned, holding a employed by The Haptord St										
	19 4 and state to the b	est of my knowledge	e and be	lief, this repair or replac	ement has h	een constructed in accord	lance with			
repair or replacement describe property damage or a loss of	d in this report. Furthern	nore, neither the ins	pector no	or his employer shall be						
1/7/17	pector: Kull	1 Panux	1	Commissions:1	L932. NB71	742NISB				
		/				vince, National Board)				

1. Owner: ComEd Company	Date: 6-16-97						
One First Nationa	al Plaza, Chicago IL, 6069	O (Address)				Sheet: 1 Of	1
2. Plant: Dresden Nuc. 6500 North Dr	lear Power Station esden Road, Morris IL.,	_ (Name) 50450 _ (Address)				Unit: 3	<u></u>
3. Work Performed By: <u>Coml</u>	Ed/Bechtel	_ (Name)				PLAN 3-96-017)	
Sam	e as Above	_ (Address)		R	epair Organiz	ation P.O. No., Job No.	etc.
4. Identification of System:	0203 Main Steam	-					
	USAS B31.1.0 I used for Repair/Replace			Addenda, Code Ca NO Addenda, Code C	ases <u>NONE</u> Cases <u>N</u>	ONE	
6. Identification of Components	Repaired or Replaced and	d Replacement Com	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Seat Ring Assembly Crane "Y" Pattern Globe Valve	Crane Valve	Unknown	N/A	3-0203-2D	N/A	Replaced	No
Main Disc for Crane "Y" Pattern Globe Valve	Crane Valve	Unknown	N/A	3-0203-2D	N/A	Replaced	No
Upper and lower guide liners	Crane Valve	Unknown	N/A	3-0203-2D	N/A	Replaced	No
Seat Ring Assembly Crane "Y" Pattern Globe Valve	Crane Valve	Not Recorded	N/A	SI #570D55	1996	Replacement	No
Main Disc for Crane "Y" Pattern Globe Valve	Crane Valve	None	N/A	SI #570F06	N/A	Replacement	No
Valve Guide Liner Retrofit Kit	Crane Valve	Not Recorded		SI #812C89	N/A	Replacement	No
7. Description of work: Replace Existing main disc replaced with oroblem with attachment welds of the Conducted: Hydrostation	refurbished spare. Work for cracking, seat ring was rest [] Pneumatic [] Test Pressure	or seat ring and guide placed due to exces Nominal Operating	iliner ren sive wear g Pressur Fest Tem	lacement was per P12-3 of stellite hardfacing. e [3-94-215. Gu		
. Remarks: Valve was exami	ned during system leakag	e test on 6/7/97, no	leakage	was identified.			
We certify that the statements Signed: <u>Brandan</u> (Owner or Ow		Certificate orrect and this REP ISI COORDINAT (Title)	LACEM	pliance ENT Conforms to Sect 6-16 . 19 9 (Date)		ASME Code.	
		Certificat	e of Inst	ection			
I, the undersigned, holding a employed by The Hartford St. this report on Section XI of the ASME Codrepair or replacement describe property damage or a loss of section 2.	eam and Boiler Insurance 19 and state to the bee. By signing this certificed in this report. Furthern any kind arising from or c	and Inspection Co. lest of my knowledgate neither the inspendence, neither the inspendence onnected with this	of Hartfo ge and be ector nor spector n	ord. Connecticut having lief, this repair or repla his employer makes ar or his employer shall b	g inspected thacement has been accoment has been accoment to the second	e REPLACEMENT des been constructed in accor expressed or implied, co	scribed in rdance with neerning the
Date: Insp	nector:	1. Burny	,	Commissions:	IL932, NB7 (State or Pro	742NISB ovince, National Board)	

1. Owner: ComEd Company One First Nations	(Name) al Plaza, Chicago IL, 6069	O (Address)		Γ	Date:10-	31-96		
						Sheet: _1_ Of	1	
2. Plant: Dresden Nucl 6500 North Dr	esden Road, Morris IL., 6	_ (Name) 50450 _ (Address)				Unit:2/3	_	
3. Work Performed By: Same	as Above	(Name)		WR 95	0097245 (1	PLAN 3-96-019)	_	
Repair Organization P.O. No., Job No. etc. Same as Above (Address)								
		(Address)						
4. Identification of System:	0203 Main Steam	-		•				
5. (a) Construction Code A (b) Edition of Section X	ASME Section III I used for Repair/Replacer	, 19 <u>65</u> Editio ment 19 <u>89</u> Ed	n, <u>NO</u> ition,	Addenda, Code Cas NO Addenda, Code C	ses <u>NONE</u> ases <u>N</u>	ONE	 -	
6. Identification of Components	Repaired or Replaced and	d Replacement Com	ponents					
Name of Component	Name of Manufacturer	Mírs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
Inlet Flange Studs (1을 " X 7¼") SA193 Grade B7	Unknown	N/A	N/A	None	N/A	Replaced	NO	
Inlet Flange Studs (1급 " X 7생") SA193 Grade B7	Dresser	Heat Numbers QT60 and QT61	N/A	SI #570C07	N/A	Replacement	NO	
			ļ	 				
7. Description of work: Replac	ced lost inlet flange studs.						<u> </u>	
8. Test Conducted: Hydrostati 9. Remarks: <u>None.</u>		Nominal Operating			: [X]			
We certify that the statements Signed: MANAGE (Owner or Ow	made in this report are confidence in this report are confidence in the confidence in this report are confidence in the confidence i	Certificate orrect and this REP ISI COORDINAT (Title)	LACEM			: ASME Code.		
								
Section XI of the ASME Code repair or replacement describe property damage or a loss of	eam and Boiler Insurance 19 26 and state to the be e. By signing this certificed in this report. Furthern	and Inspection Co. best of my knowledge ate neither the inspendence, neither the ins	rd of Boi of Hartfo ge and be ector nor spector n	ler and Pressure Vessel ord, Connectictu having lief, this repair or repla his employer makes an or his employer shall be n.	inspected the cement has leading warranty.	ne REPLACEMENT des been constructed in acco- expressed or implied, co- ly manner for any person	scribed in rdance with neerning the	
l Date: —// // CO Inst	-W	- paron		Commissions:		ovince National Board)	—— ∦	

DAP 11-18 REVISION 07

1. Owner: ComEd Company One First National	(Name) I Plaza, Chicago IL, 6069	O (Address)		:	Date:9-24		
2. Plant: Dresden Nucle 6500 North Dresden	ear Power Station esden Road, Morris IL., 6	_ (Name) 50450 (Address)				Sheet: _1_ Of	
3. Work Performed By: <u>Same</u> <u>Same</u>	as Above	- '				PLAN 3-96-020) ation P.O. No., Job No.	etc.
4. Identification of System: 5. (a) Construction Code L (b) Edition of Section XI 6. Identification of Components	USAS B31.1.0 used for Repair/Replacen	, 19 <u>67</u> Editio nent 19 <u>89</u> Ed		Addenda, Code Cas O_ Addenda, Code Ca	es <u>NONE</u> ases <u>NO</u>	NE	=
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
3A CCSW Pump Casing Bolts (¾ "-10 x 4")	Unknown	N/A	N/A	3A-1501-44	N/A	REPLACED	NO
3A CCSW Pump Casing Bolts (¾"-10 x 4")	Unknown	HEAT 8090125	N/A	SI #530A04	N/A	REPLACEMENT	NO
7. Description of work: Replace engagment so longer bolting was 8. Test Conducted: Hydrostatio 9. Remarks: Pump casing was	installed. Pneumatic Test Pressure	Nominal Operating	g Pressure Test Temp	[] Not Applicable	: {X }		achieve full r
We certify that the statements Signed: Brendan (Owner or Ow			LACEME	ENT Conforms to Section		ASME Code.	
			nte of Insp				
I, the undersigned, holding a very employed by The Hartford Stethis report on 4.25. Section XI of the ASME Code repair or replacement describe property damage or a loss of a Date: 4.27-46 Insp.	am and Boiler Insurance at 19 16 and state to the bear. By signing this certification in this report. Furthern	and Inspection Co. (est of my knowledge ate neither the inspendence, neither the ins	of Hartfor e and beli- ector nor h spector nor	d; Connectictu having ef, this repair or replac is employer makes any r his employer shall be	inspected the ement has bee warranty, ex	REPLACEMENT described constructed in accordation pressed or implied, concidentally and accordance or implied.	ibed in nce with erning the

DAP 11-18 REVISION 07

1. Owner: ComEd Company One First Nationa	(Name) l Plaza, Chicago IL, 6069	0 (Address)		Dat	te: <u>5-2</u> 5	8-97			
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: 1 Of	1_		
3. Work Performed By: ComEd\Bechtel (Name) WR 930053801 (PLAN 3-96-021) Same as Above (Address) Unit: _3 WR 930053801 (PLAN 3-96-021) Repair Organization P.O. No., Job No. etc.									
4. Identification of System:	1500 LPCI	- -	n NO	Addenda, Code Cases	× NONE				
(b) Edition of Section XI 6. Identification of Components	used for Repair/Replacer	nent 19 <u>89</u> Ed	ition,	NO Addenda, Code Cas	es N	ONE			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No		
A194 Grade 2H Heavy Hex nuts (1년 "-7)	Unknown	Unknown	N/A	3-1501-63C	N/A	Replaced	No		
A193 Grade B7 Studs (1亩 "-7)	Unknown	Unknown	N/A	3-1501-63C	N/A	Replaced	No		
Al94 Grade 2H Heavy Hex nuts (1년 "-7)	Unknown	Heat HFF		SI #764D55	N/A	Replacement	No		
A193 Grade B7 Studs (1급 "-7)	Unknown	Unknown		SI #760G56	N/A	Replacement	No		
A194 Grade 7 Coupling Rod	Unknown	Unknown		SI #819F03	N/A	Replacement	No		
7. Description of work: Replace	ed existing 3C LPCI pump	discharge check va	lve bolti	ng under E12-3-95-234.	Piping was	configured such that som	e of the bolting		
8. Test Conducted: Hydrostatic	Pneumatic [] Test Pressure	Nominal Operating		e [X] Not Applicable serature 68 °F	[]				
Certificate of Compliance We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code. Signed: Signed: Signed: Signed: (Owner or Owner's Designee) (Title) (Date)									
		Certificate	e of Incr	ection					
I, the undersigned, holding a verification of the ASME Code repair or replacement describe property damage or a loss of a	am and Boiler Insurance 19 // and state to the b . By signing this certification in this report. Furthern	y the National Boar and Inspection Co. est of my knowledg ate neither the inspe- nore, neither the ins	d of Boil of Hartfo e and be ctor nor pector n	ler and Pressure Vessel In ord, Connecticut having in lief, this repair or replace his employer makes any v or his employer shall be li	nspected the ment has be warranty, e	e REPLACEMENT description constructed in accordance expressed or implied, con	ribed in lance with cerning the		
Date: 6-11-47 Insp.	ector: Kunt	T. Rasin	w	Commissions: IL (S		742NISB ovince, National Board)			

1. Owner: ComEd Company One First Nations	(Name) I Plaza, Chicago IL, 6069	O (Address)		Da	te: <u>5-2</u>	8-97		
2. Plant: Dresden Nucl	·		Sheet: 1 Of 1 Unit: 3					
3. Work Performed By: ComEd\Bechtel Same as Above		_ (Name)		WR 930053800 (PLAN 3-96-022) Repair Organization P.O. No., Job No. etc.				
4. Identification of System:	1500 LPCI	_						
5. (a) Construction Code USAS B31.1.0 , 19 67 Edition, NO Addenda, Code Cases NONE (b) Edition of Section XI used for Repair/Replacement 19 89 Edition, NO Addenda, Code Cases NONE								
(b) Edition of Section XI used for Repair/Replacement 19 89 Edition, NO Addenda, Code Cases NONE 6. Identification of Components Repaired or Replaced and Replacement Components								
2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.								
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
A194 Grade 2H Heavy Hex nuts (1급 "-7)	Unknown	Unknown	N/A	3-1501-63D	N/A	Replaced	No	
A193 Grade B7 Studs (1급 "-7)	Unknown	Unknown	N/A	3-1501-63D	N/A	Replaced	No	
A194 Grade 2H Heavy Hex nuts (1뉴 "-7)	Unknown	Heat HFF		SI #764D55	N/A	Replacement	No	
A193 Grade B7 Studs (1 = "-7)	Unknown	Unknown	 <u>-</u>	SI #760G56	N/A	Replacement	No	
A194 Grade 7 Coupling Rod	Unknown	Unknown		SI #819F03	N/A	Replacement	No	
7. Description of work: Replaced existing 3D LPCI pump discharge check valve bolting under E12-3-95-235. Piping was configured such that some of the bolting could not be removed. Modification allows installation of stud couplings.								
8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] Not Applicable []								
Test Pressure 165 psig Test Temperature 68 °F								
9. Remarks: Examination performed during LPCI surveillance.								
Certificate of Compliance								
We certify that the statements made in this report are correct and this REPLACEMENT Conforms to Section XI of the ASME Code.								
Signed: <u>FOUNDAMENTERS (Owner or Owner's Designate)</u> ISI COORDINATOR 6-7, 19-97 (Owner or Owner's Designate) (Title) (Date)								
Certificate of 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 Illinois, employed by The Hantford Steam and Boiler Insurance and Inspection Co. of Hantford, Connecticut having inspected the REPLACEMENT described in this report on 6 / 19 and state to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair 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.								
Date: 6-11-47 Inspector: 1. Kumut Commissions: IL932, NB7742NISB (State or Province, National Board)								

DAP 11-18 REVISION 07

1. Owner: ComEd Company One First Nationa	(Name) I Plaza, Chicago IL, 6069	0 (Address)		Dat	e: <u>9-23</u>	-96				
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: _1 Of Unit:3	2			
·	WR 960030678 (PLAN 3-96-023) Repair Organization P.O. No., Job No. etc. Gaithersberg, MD 20877 (Address)									
Identification of System: 1500 CCSW/LPCI										
(a) Construction Code USAS B31.1.0 , 19 67 Edition, NO Addenda, Code Cases NONE (b) Edition of Section XI used for Repair/Replacement 19 89 Edition, NO Addenda, Code Cases NONE										
6. Identification of Components	Repaired or Replaced and	l Replacement Comp	ponents							
Name of Component	Name of Manufacturer	Mirs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No			
SUPPORT M-1200D-311 (NEW SUPPORT, SEE BELOW FOR MATERIALS)	BECHTEL	NONE .	N/A	M-1200D-311	1996	REPLACEMENT	NO			
HEAT EXCHANGER CLAMP	LISEGA	NONE	N/A	SI #817F35	N/A	REPLACEMENT	NO			
STRUT ASSEMBLY	LISEGA	NONE	N/A	SI #817E35	N/A	REPLACEMENT	NO			
END BRACKET	LISEGA	A 8801	N/A	SI #817D35	N/A	REPLACEMENT	NO			
1" X 8" X 6" A36 PLATE	UNKNOWN	HT 351799 :	N/A	SI #784G82	N/A	REPLACEMENT	NO			
7. Description of work: Added	two new Class 3 supports	s as part of Unit 3 E	ast LPC	corner room steel modif	ication (El	2-3-95-258).				
3. Test Conducted: Hydrostatic	: [] Pneumatic []	Nominal Operating	Pressure	e [] Not Applicable [X]					
	Test Pressure	psig T	est Temp	erature°F						
Remarks: None.		· · · · · · · · · · · · · · · · · · ·								
We certify that the statements	1		LACEM	ENT Conforms to Section		ASME Code.				
Signed: 49 Alndan (Owner or Own	neg's Designee)	ISI COORDINATO (Title)	<u>)K</u>	9-23 . 19 96 (Date)						
										
		Certificate	of Insp	ection						
Section XI of the ASME Code repair or replacement describe property damage or a loss of a	ann and Boiler Insurance and state to the bear. By signing this certifier d in this report. Furthern any kind arising from or control of the bear and the bear arising from or control of the bear and the bear arising from or control of the bear arising from the bea	and Inspection Co. of est of my knowledge the neither the inspec- nore, neither the inspec-	of Hartfo e and bel ctor nor pector no	rd, Connectictu having in lief, this repair or replaces his employer makes any v or his employer shall be li	spected the ment has be varranty, e	REPLACEMENT description constructed in accordance en constructed in accordance xpressed or implied, conc-	ibed in ince with erning the			
Date: <u>9-25-1/</u> Insp	ector:	recons			932, NB77 tate or Pro	42NISB vince, National Board)				

DAP 11-18 REVISION 07

1. Owner: ComEd Compan One First Nation	y (Name) nal Plaza, Chicago IL, 6069	90 (Address)		Dat	te: <u>9-1</u>	6-96	
2. Plant: Dresden Nu		(Name)			a .4	Sheet: <u>1</u> Of	
3. Work Performed By: Bec				WR 9600	306 78 (9-23-96 PLAN 3-96-024)	
	ithersherg, MD 20877	(Address)		Repa	ir Organiz	ration P.O. No., Job No.	etc.
4. Identification of System:		<u> </u>					
5. (a) Construction Code (b) Edition of Section 2	USAS B31.1.0 XI used for Repair/Replaces	19 <u>67</u> Edition	on, <u>NO</u>	Addenda, Code Cases	s <u>NONE</u>	ONE	
6. Identification of Componen							
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
SUPPORT M-1200D-309 (NEW SUPPORT, SEE BELOW FOR MATERIALS)	BECHTEL	NONE	N/A	M-1200D-309	1996	REPLACEMENT	NO
HEAT EXCHANGER CLAMP	LISEGA	NONE	N/A	SI #817F35	N/A	REPLACEMENT	NO
STRUT ASSEMBLY	LISEGA	NONE	N/A	SI #817H34	N/A	REPLACEMENT	NO
END BRACKET	LISEGA	NONE	N/A	SI #817D35	N/A	REPLACEMENT	NO
1" X 18" X 18" A36 PLATE	UNKNOWN	NONE	N/A	SI #770F00	N/A	REPLACEMENT	NO
7. Description of work: Adde	ed two new Class 3 support	s as part of Unit 3	West LPC	I corner room steel modi	fication (E	12-3-95-259).	
8. Test Conducted: Hydrosta 9. Remarks: None.		Nominal Operatin	_		XJ		
We certify that the statement Signed: (Owner or O	ts made in this report are con M. Cusuy wner(1 Designee)	Certificate orrect and this REP ISI COORDINAT (Title)	PLACEM	pliance ENT Conforms to Section 9-16, 1996 (Date)	XI of the	ASME Code.	
		Cardiffee					
I, the undersigned, holding a employed by The Hartford S this report on 17-17 Section XI of the ASME Corepair or replacement describ property damage or a loss of Date: 27-17-96 Institute	Steam and Boiler Insurance, 19 2 and state to the bide. By signing this certificated in this report. Furthern f any kind arising from or c	and Inspection Co. best of my knowleds ate neither the inspender, neither the in-	rd of Boil of Hartfo ge and he ector nor spector no	der and Pressure Vessel In ord, Connectictu having in lief, this repair or replace his employer makes any vor his employer shall be lin. Commissions: IL	aspected the ment has I warranty, able in an	ne REPLACEMENT des neen constructed in accor expressed or implied, cor y manner for any person	cribed in dance with scerning the

1. Owner: ComEd Company One First Nations	(Name) al Plaza, Chicago IL, 606	90 (Address)		De	ite: <u>6-1</u>	1-97	
2. Plant: Dresden Nuc	lear Power Station	(Name)				Sheet: 1 Of Unit: 3	
3. Work Performed By: <u>Com</u>		(Name)		WR 960 Rep		(PLAN 3-96-026) ration P.O. No., Job No.	·
4. Identification of System:	2300 HPCI						
5. (a) Construction Code 1 (b) Edition of Section X	USAS B31.1.0 I used for Repair/Replace	_, 19 <u>67</u> Edition	n, <u>NO</u>	Addenda, Code Case:	s <u>NONE</u> ses N	ONE	
6. Identification of Components					<u></u>		
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Check Valve bonnet studs (\$\frac{5}{3}\$"-11 X 7" A194 Grade B7)	Unknown	Unknown	N/A	Valve 3-2301-50A	N/A	Replaced	No
Check Valve bonnet stud hex nuts ((돌 "-11 A193 Grade 2H)	Unknown	Unknown	N/A	Valve 3-2301-50A	N/A	Replaced	No
Check Valve bonnet studs (급 "-11 X 7" A194 Grade B7)	Unknown	Unknown	N/A	S1 #796C99	N/A	Replacement	No
Check Valve bonnet stud hex nuts ((5 "-11 A193 Grade 2H)	Unknown	Unknown	N/A	SI #500E52	N/A	Replacement	No
7. Description of work: Replac	eed existing bonnet bolting	g to accommodate in	ıstallatior	n of hardened washers.			
8. Test Conducted: Hydrostatic	c [] Pneumatic []	Nominal Operating	g Pressur	e [] Not Applicable	[X]		
				perature <u>N/A</u> °F			
9. Remarks: Valve examined d	luring system operation to	r leakage, no leakag	ge detect	2d			
We certify that the statements Signed: <u>Sundan (</u> (Owner or Ow	4	Certificate orrect and this REP ISI COORDINAT (Title)	LACEM	pliance ENT Conforms to Sectio 6-18, 1997 (Date)		ASME Code.	
I, the undersigned, holding a employed by The Hartford Statistics report on 6 / 4 . Section XI of the ASME Code repair or replacement describe property damage or a loss of Date: 6 / 4 9 Insp	eam and Boiler Insurance 19 / and state to the bee. By signing this certificed in this report. Furthern any kind arising from or company kind arising from the company kind arising kind	and Inspection Co. est of my knowledge ate neither the inspendence, neither the insectionnected with this	rd of Boil of Hartfore se and be ector nor spector n	ler and Pressure Vessel In ord, Connecticut having i lief, this repair or replace his employer makes any or his employer shall be in. Commissions: II	nspected thement has to warranty, a liable in an L932, NB7	te REPLACEMENT des been constructed in accor expressed or implied, cor y manner for any person	cribed in dance with neerning the
	, ,	. , –		(;	State or Pro	ovince, National Board)]}

1. Owner: ComEc	l Company irst Nationa	(Name) 1 Plaza, Chicago IL, 606	90 (Address)			Date: <u>9-2</u>	3-96	
		ear Power Station					Sheet: <u>1</u> Of	
3. Work Performed	By: <u>Becht</u>	el Constructors	_ (Name)		WR 9	60030678	PLAN 3-96-028)	
	Gaitl	nersherg, MD 20877	(Address)		R	epair Organiz	cation P.O. No., Job No.	etc.
4. Identification of S	ystem:	1500 CCSW/LPCI						
		JSAS B31.1.0 used for Repair/Replace			Addenda, Code Ca NO Addenda, Code C	ases <u>NONE</u> Cases <u>N</u>	ONE	
6. Identification of C	Components	Repaired or Replaced an	d Replacement Con	ponents				
Name o Compone		Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
SUPPORT M-341	3-13	UNKNOWN	NONE	N/A	M-3413-13	N/A	REPLACEMENT	NO
				ļ		<u> </u>		
SUPPORT M-341	3-13	UNKNOWN	NONE	N/A	M-3413-13	N/A	REPLACEMENT	NO
				ļ		_		
weld at tube steel-to- using existing materi	olate was gro als.	to raise 3A LPCI heat ex ound out in order to slide b	ox guide out of the	way and r	aise heat exchanger, O	Once heat exch		
8. Test Conducted:	Hydrostatic		•	-	e [] Not Applicable	le [X]		
		Test Pressure	psig	Fest Temp	perature "F			
9. Remarks: None	· ·	· · · · · · · · · · · · · · · · · · ·						
								
We certify that the	statements	made in this report are co	Certificat orrect and this REP	e of Com LACEM	pliance ENT Conforms to Sect	tion XI of the	ASME Code.	ļ
Signed: 100	ndan vner or Owi	A. Casus	ISI COORDINAT (Title)	OR	9-23 . 19 9	<u> 76</u>		
#			Certificat	te of Insp	ection			1
employed by The this report on Section XI of the repair or replacem	Hartford Ste ASME Code ont describe	valid commission issued to am and Boiler Insurance 19 76 and state to the bearing this certific d in this report. Further any kind arising from or commission of the state of	and Inspection Co. best of my knowledgate neither the inspendent more, neither the in-	of Hartfo ge and he ector nor spector n	ord, Connectictu having dief, this repair or repl his employer makes ar or his employer shall b	g inspected thacement has larger warranty.	ne REPLACEMENT des neen constructed in accor expressed or implied, co.	cribed in dance with neerning the
Date: 4,27	<u>-46</u> Insp	ector:	Raines		Commissions: _		742NISB ovince, National Board)	

CATEGORY 3

DAP 11-18 REVISION 07

1. Owner: ComEd Company One First National	(Name) I Plaza, Chicago IL, 6069	0 (Address)		I	Date:5-19	9-97	
2. Plant: <u>Dresden Nucle</u> 6500 North Dre	ear Power Station	(Name)				Sheet: _1_ Of _ Unit:3	
3. Work Performed By: ComE		(Name)				PLAN 3-96-030)	
Same	as Above	(Address)		Re	pair Organiz	ation P.O. No., Job No.	etc.
4. Identification of System:(0300_ Control Rod Drive	,					
5. (a) Construction Code A (b) Edition of Section XI	SME Section III used for Repair/Replacen	_, 19 <u>65</u> Editionent 19 <u>89</u> Ed	on, Wint	er 1965 Addenda, Co NO Addenda, Code C	de Cases	1335-2, 1361 and 1352 ONE	
6. Identification of Components	Repaired or Replaced and	Replacement Con	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Control Rod Drive (CRD) Unit	General Electric	A3180		Location H-7	1980	Replaced	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Unknown	N/A	Location H-7	N/A	Replaced	No
Control Rod Drive (CRD) Unit	General Electric	498C	*	SI #219A56	1967	Replacement	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Heat Code K2VB	N/A	SI # 808E09	N/A	Replacement	No
7. Description of work: Remove assembly and eight new cap screw to Stores as spares. * See co							
8. Test Conducted: Hydrostatic		Nominal Operatin	g Pressure	[X] Not Applicab	le []		<u> </u>
		•	-	perature 200 °F	()		
9. Remarks: VT-2 examination			rest rein	relature r			
7. Kemarks. V1-2 exammation	r during system leakage t	Cat					
		Certificat	e of Com	pliance			
We certify that the statements	1			• -		ASME Code.	
Signed: <u>Bundan</u> (Owner or Own	d. Cusery her/k Designee)	(Title)	<u>'OR</u>	(Date) 1997			
		Certifica	te of Insp	ection			:
I, the undersigned, holding a vemployed by The Hartford Stethis report on 6-13. Section XI of the ASME Code repair or replacement described property damage or a loss of a	am and Boiler Insurance a 1971 and state to the bo By signing this certifier d in this report. Furthern	and Inspection Co. est of my knowled; ite neither the inspenore, neither the in	of Hartfo ge and be ector nor spector no	ord, Connecticut having lief, this repair or repla his employer makes an or his employer shall be	inspected the cement has by warranty.	e REPLACEMENT des seen constructed in accor expressed or implied, cor	cribed in dance with scerning the
Date: 6-13-4/ Inspe	ector: Kun7	1. Kann	7	Commissions:		742NISB ovince, National Board)	

FORM N-2 MANUFACTURERS PARTIAL DATA REPORT

-A Part-of a Nuclear-Vessel/Fabricated by One Manufacturer for Another Manufacturer

As required by the Provisions of the ASME Code Rules

1. (e) Manufactured by General Electric Co., APED. 175 Curtner Ave. San Jose, California
(b) Manufactured for General Electric Co. For use with reactor pressure vessel
2. Identification-Manufacturer's Serial No. of Part 102: 317-C, 498-C, 709-C
(s) Constructed According to Drewing No. 237E179-63 Orange Proposed by D. L. Peterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks: Fabricated and inspected in accordance with Section III and applicable
code cases no. 1335-2, 1361, and 1352
See sketch showing configuration and materials used. Hydro tested at 2110 psi
(Brief description of service for which vessel part was Ursigned)
We certify that the statements made in this report are correct and that all details of material, design, construction, and were unusual this pressure vessel conform to the ASME Code for Nuclear Vessels.
Date October 30. 19 67 Signed General Electric Co. APED (No. / Cl.)
Certificate of Authorization Expires December 31, 1967
CERTIFICATION OF DESIGN
Person information of the at General Electric Co., APED, 175 Curtner Ave. San Jose, California
Stress unalysis report on file at General Electric Co., APED, 175 Curtner Ave; San Jose, California
Design appetitional correlated by W. Schultheis Prof. Eng. State Calif Res. S. Millist.
Stress analysis report certified by R. L. Call Prof. Eng. State Call Rev. St. 13540
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspective and Social California and employed by Division of Industrial Safety Dept. of Industrial Relations have inspected the part of a pressure vessel described in this manufacture partial data.
report on
By signing this certificate, neither the Inspector nor his employer makes any workanty expressed or implied, a scenary men or
agribed in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be rather in the inspector nor his employer shall be rather in the inspector.
Pute
Date

DAP 11-18 REVISION 07

1. Owner: ComEd Company	(Name)			1	Date: <u>5-1</u>	9-97	
One First Nationa	l Plaza, Chicago IL, 6069	0 (Address)				Sheet: 1 Of	1
2. Plant: <u>Dresden Nucl</u> 6500 North Dre	ear Power Station esden Road, Morris IL., 6	(Name) 0450 (Address)				Unit: 3	
3. Work Performed By: <u>Com</u> E	d\General Electric	(Name)				PLAN 3-96-031)	
Same	as Above	(Address)		R	epair Organiz	ation P.O. No., Job No.	etc.
4. Identification of System:	0300 Control Rod Drive						
5. (a) Construction Code A (b) Edition of Section XI	ASME Section III used for Repair/Replacen	_, 19 <u>65</u> Editionent 19 <u>89</u> Ed	n, <u>Wint</u> lition, <u>l</u>	er 1965 Addenda, Co NO Addenda, Code C	ode CasesN	1335-2, 1361 and 1352 ONE	
6. Identification of Components	Repaired or Replaced and	Replacement Com	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Bli	Repair, Replaced or Replacement	Code Stamped Yes/No
Control Rod Drive (CRD) Unit	General Electric	537C	*	Location G-7	1967	Replaced	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Unknown	N/A	Location H-7	N/A	Replaced	No
Control Rod Drive (CRD) Unit	General Electric	806	*	SI #219A56	1967	Replacement	Yes
CRD Flange Cap Screws (8 Total)	General Electric	Heat Code K2VB	N/A	SI # 808E09	N/A	Replacement	No
7. Description of work: Removes assembly and eight new cap screet to Stores as spares. * See co							
8. Test Conducted: Hydrostatic		Nominal Operating	Pressure	[X] Not Applicat	ole I I		
				perature 200 °F			
9. Remarks: VT-2 examination	_		•				
[
We certify that the statements	made in this concert are as	Certificate	e of Com	pliance	tion VL of the	ASME Code	:
						Advice Code.	
Signed: Signed: (Owner or Own	ner's Designee)	(Title)	<u> </u>	(Date)	-)
							
		Certificat	e of Insp	ection			
I, the undersigned, holding a semployed by The Hartford Stethis report on 0/3. Section XI of the ASME Code repair or replacement describe property damage or a loss of a	eam and Boiler Insurance 1977 and state to the bee. By signing this certificated in this report. Furthern	and Inspection Co. est of my knowledgate neither the inspendenter the inspendence, neither the inspendence.	of Hartfo ge and be ector nor spector no	ord, Connecticut having lief, this repair or repla his employer makes ar or his employer shall b	g inspected the accment has lay warranty.	te REPLACEMENT des neen constructed in accor expressed or implied, co	cribed in dance with neerning the
Date: 6-11-9) Insp	ector: Kall	1. Kalm	<i></i>	Commissions:		742NISB ovince, National Board)	

FORM N-2 MANUFACTURERS' PARTIAL DATA REPORT A Part of a Nuclear Vessel Fabricated by One Manufacturer for Another Manufacturer As required by the Provisions of the ASME Code Rules

1. (e) Menufactured by General Electric Co., APED, 175 Curtner Ave: Sin Jose, California
(b) Menufactured for General Electric Co. For use with reactor pressure vessel
2. Identification-Manufacturer's Seriel No. of Part 806, 876, 878, 887, 930, 946, 959, 995
(a) Constructed According to Drawing No. 237E179-G3 Drawing Prepared by D. L. Potor Son
(b) Description of Part Inspected Control Rod Drive
3. Remerke: Fabricated and inspected in accordance with Section III and applicable
code cases no. 1335-2, 1361, and 1352
See sketch showing configuration and materials used. Hydro tested at 2110 psi
· ————————————————————————————————————
(Brief description of service for which vessel part was deregred)
We certify that the statements made in this report are correct and that all details of material, it edign, construction, and wire material this pressure vessel conform to the ASME Code for Nuclear Vessels.
Date January 24. 19 69 Signed General Electric Co. APED By (Manufacturer)
Certificate of Authorization Expires December 31, 1970
CERTIFICATION OF DESIGN
Design information of file at General Electric Co., APED, 175 Curtner Ave; San Jose, California
Stress analysis report on file at General Electric Co., APED, 175 Curtner Ave; San Jose, California
Design specifications certified by W. Schultheis Prof. Eng. M. E. tate Calif Reg. No. M11158
Stress analysis report certified by R. L. Call Prof. Eng M.E. state Callf Reg. No. 13540
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Hoard of Boiler and Press re Vessel Inspectors and othe State California and employed by Division of Industrial Safety Dept. of Industrial Relations have inspected the part of a pressure vessel described in this in unifor three a partial safety report on
California and employed by Division of Industrial Sifety Dept. of Industrial Relations have inspected the part of a pressure vesuel described in this manufacturer partial and report on
California and employed by Division of Industrial Sifety Dept. of Industrial Relations have inspected the part of a pressure vesuel described in this minufacturer partial argument on
California and employed by Division of Industrial Sifety Dept. of Industrial Relations have inspected the part of a pressure vesuel described in this monifornizer a partial sale report on 19, and state that to the best of my knowledge and total, the manufacturer has a manufacturer for a manufacturer for a manufacturer for a manufacturer for a manufacturer of partial data report. Furthermore, neither the Inspector nor his employer nakes any warranty, expressed or implied, concerning the part of seribed in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be liable to any manufacturer or partial data report.
California and employed by Division of Industrial Sifety Dept. of Industrial Relations have inspected the part of a pressure vesuel described in this in unifor three apart of a pressure vesuel described in this in unifor three apart of a pressure vesuel described in this in unifor three apart of a pressure vesuel described in this in unifor three apart of a part of a pressure vesuel described in this manufacturer by a part of the part of a pressure vesuel described in this manufacturer by a part of the part of a pressure vesuel described in this manufacturer by part of the part of a pressure vesuel described in this manufacturer by a part of the part of a pressure vesuel described in this manufacturer by a part of the part of a part of

DAP 11-18 REVISION 07

1. Owner: ComEd Company	(Name)				Date:9-24	4-96	
One First Nationa	al Plaza. Chicago IL. 6069	(Address)		•	Date	-	2 د
. Plant: <u>Dresden Nucl</u> 6500 North Dr	lear Power Station resden Road, Morris IL., (_ (Name) 50450 (Address)				Sheet: _1 Of _ Unit:3	BGK 9-24
Work Performed By: Becht						PLAN 3-96-032)	
-	thersberg, MD 20877			Re	epair Organiza	ation P.O. No., Job No.	etc.
Identification of System:	2300 High Pressure Coo	lant Injection					
(a) Construction Code (1)	USAS B31.1.0	19 <u>67</u> Editio	on, <u>NO</u>	Addenda, Code Cas	es <u>NONE</u>		
	I used for Repair/Replacer			O Addenda, Code Ca	ises <u>NO</u>	NE	
Identification of Components	Repaired or Replaced and	Replacement Comp	onents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stampe Yes/No
%" A193 Grade B7 Studs	Unknown	N/A	N/A	None	N/A	REPLACED	NO
%" A194 Grade 2H Hex Nuts	Unknown	N/A	N/A	None	N/A	REPLACED	NO
¼" A193 Grade B7 Studs	Unknown	N/A	N/A	None	N/A	REPLACED	NO
¼" A194 Grade 2H Hex Nuts	Unknown	N/A	N/A	None	N/A	REPLACED	NO
4" X 6" 150# Relief Valve	Dresser	N/A	N/A	3-2301-53	N/A	REPLACED	NO
Description of work: Replacishers. Test Conducted: Hydrostati Remarks: None.	ic [] Pneumatic []	Nominal Operating	g Pressure	<u>- </u>		(h. new material to accom	TOGALE HALL
We certify that the statements Signed: <u>Sundan</u> (Owner or Ow	1 0		LACEME			ASME Code.	
		Certifica	ate of Insp	pection			
I, the undersigned, holding a employed by The Hartford Statistics report on Section XI of the ASME Codrepair or replacement describe property damage or a loss of	eam and Boiler Insurance and State to the ble. By signing this certificed in this report. Furthern	and Inspection Co. of sest of my knowledge ate neither the inspe- more, neither the ins	of Hartfonge and belice ector nor his spector nor	rd, Connectictu having in ef, this repair or replace this employer makes any or his employer shall be	inspected the lement has been warranty, ex	REPLACEMENT descri en constructed in accordar pressed or implied, conce	ibed in nce with erning the
Date: 9-25-96 Insp	pector: Mul	Thing	2	Commissions:IL		2NISB ovince, National Board)	

CATEGORY 3

FORM NIS-2 SUPPLEMENT

OWNER'S REPORT OF REPAIR OR REPLACEMENT SUPPLEMENTAL SHEET

DAP 11-18

REVISION 07

1. Owner: ComEd Company (Name) One First National Plaza, Chicago IL, 60690 (Address)		Date: <u>9-24-96</u> Sheet: <u>2</u> Of _2	,
2. Plant: <u>Dresden Nuclear Power Station</u> (Name) 6500 North Dresden Road, Morris IL., 60450	(Address)	Unit:3	-
3. Work Performed By: <u>Bechtel Construction</u>	_ (Name)	WR 950063471 (PLAN 3-96-032)	
Gaithersberg, MD 20877	_ (Address)	Repair Organization P.O. No., Job No. etc.	•
4. Identification of System: 2300 High Pressure Coolant Injection	_		
5. (a) Construction Code <u>USAS B31.1.0</u> , 19 67 Ed (b) Edition of Section XI used for Repair/Replacement 19 89			

Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd	Other ID	Yr Blt	Repair, Replaced or	Code
Component		Serial No.	No	10	Bit	Replaced of Replacement	Stamped Yes/No
%" A193 Grade B7 Studs	Unknown	N/A	N/A	SI #500E52	N/A	REPLACEMENT	ИО
%" A194 Grade 2H Hex Nuts	Unknown	Heat CJW	N/A	SI #796C99	N/A	REPLACEMENT	NO
¼" A193 Grade B7 Studs	Unknown	Heat BTM and CJX	N/A	SI #796D01	N/A	REPLACEMENT	NO
¼" A194 Grade 2H Hex Nuts	Unknown	Heat BMP	N/A	SI #796D75	N/A	REPLACEMENT	NO
4" X 6" 150# Relief Valve	Dresser	TH87924	N/A	SI #790E62	N/A	REPLACEMENT	NO
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DAP 11-18 REVISION 07

1. Owner: ComEd Compan	y (Name)			Da	te: <u>9-6</u> -	-96	
	nal Plaza, Chicago IL, 6069					Sheet: <u>1</u> Of _	1
2. Plant: <u>Dresden Nu</u> 6500 North D	clear Power Station Presden Road, Morris IL., 6	_ (Name) 50450 _ (Address)				Unit:2	
3. Work Performed By: <u>Becl</u>	ntel Constuctors	_(Name)				PLAN 3-96-033)	
Gaith	ersberg, MD 20877	(Address)		Repa	air Organiz	ation P.O. No., Job No.	etc.
I. Identification of System:	1500 Low Pressure Coo	lant Injection					
			on, NO	Addenda, Code Case	es NONI	3	
(b) Edition of Section 2	USAS B31.1.0 KI used for Repair/Replacer	nent 19 <u>89</u> Ed	lition,	NO Addenda, Code Cas	ses N-	416-1	
. Identification of Component	ts Repaired or Replaced and	d Replacement Com	ponents				
Name of	Name of	Mfrs.	Nat	Other	Yr	Repair,	Code
Component	Manufacturer	Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
3A LPCI Heat Exchanger shell side drain line socket weld (2" NPS Sch. 80 Carbon Steel)	Unknown	Unknown	N/A	None	N/A	REPLACED	NO
			ļ				
-							
. Description of work: <u>Remo</u> oom Structural Steel modifica	tion (E12-3-95-258). Upor	completion of sup	port insta	allation, original shell side	drain line		
. Test Conducted: Hydrosta		Nominal Operating			[]		
	Test Pressure _	125 psig 1	Test Tem	perature Ambient of			
Remarks: In accordance v	vith Dresden Station Third	Interval Relief Requ	iest PR-1	4.			
We certify that the statement	s made in this report are co	Certificate orrect and this REP			n XI of the	ASME Code.	
Signed: <u>YSundan</u> (Owner or Ox	vned's Designce)	ISI COORDINAT (Title)	OR _	9-23 , 19 <u>96</u> (Date)	-		i
		Certificat	e of Ins	pection			
I, the undersigned, holding a employed by The Hartford Sthis report on Section XI of the ASME Corepair or replacement describ property damage or a loss of	team and Boiler Insurance, 19 4 and state to the b de. By signing this certificated in this report. Furthern	and Inspection Co. est of my knowledg ate neither the inspen nore, neither the ins	of Hartfe ge and be ector nor spector n	ord. Connectictu having in elief, this repair or replace his employer makes any for his employer shall be l	nspected the ment has b warranty, e	e REPLACEMENT desc been constructed in accord expressed or implied, con-	ribed in lance with cerning the
Date: 9-25-46 Ins	spector: Kut	I fluit			.932, NB77		
				=	State or Pro	vince, National Board)	ll l

1. Owner: ComEd Company One First Nationa	(Name) al Plaza, Chicago IL, 60690) (Address)			Date: <u>9-24</u>	4-96	*
2. Plant: <u>Dresden Nucl</u> 6500 North Dr	ear Power Station	(Name)				Sheet: <u>1</u> Of Unit: <u>3</u>	
3. Work Performed By: <u>Same</u>				WR 9) SAM81175 (F	PLAN 3-96-034)	-
	e as Above					eation P.O. No., Job No.	etc.
4. Identification of System:							
5. (a) Construction Code _A	ASME Section III I used for Repair/Replacement	, 19 <u>65</u> Edition	n, <u>NO</u>	Addenda, Code Cas	ses <u>NONE</u>	NF.	
6. Identification of Components	-			<u>, </u>			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
3A CONTAINMENT COOLING HEAT EXCHANGER	BERLIN CHAPMAN	3007	3007	3A-1503	1967	REPAIR	YES
			┼-				-
			+		_		+
	 		+		_		+
7. Description of work: <u>Restored Fraction of heat exchanger. Weld repair</u> 3. Test Conducted: Hydrostati 4. Remarks: <u>Weld repair did</u>	did not extend into vessel vic [] Pneumatic [] Test Pressure _	wall over 10% of v Nominal Operating psig	vessel nom g Pressure Test Temp	ninal thickness.	le [X]		
We certify that the statements Signed: Signed: (Owner or Ow	4 0		AIR Conf	forms to Section XI of		de.	
I, the undersigned, holding a employed by The Hartford Str on, 19 6 an of the ASME Code. By signi replacement described in this damage or a loss of any kind	eam and Boiler Insurance and state to the best of my kning this certificate neither the report. Furthermore, neither	the National Board and Inspection Co. on mowledge and belief the inspector nor his ter the inspector nor	of Hartford f, this repa s employer or his empl	er and Pressure Vessel rd. Connectictu having air or replacement has r makes any warranty,	inspected the l been construct expressed or i	REPAIR described in the ted in accordance with Simplied, concerning the i	his report Section XI repair or

FORM U-1 WANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS As required by the Previsions of the ASME Code Rules

. Menderwood by Berlin Charman, Div. Perfex Corn., Berlin, Wisconsin	
Charles and Services of House,	
Messalerimed for General Electric Company, San Jose, California	1 4;
1. Type (C. 11 C.) Kind Heat Fresh, Vessel No. (05036-4) () Naci. Bd. No. (3007) Ye. Built 1967	<u>. </u>
run 4-6 lart, to be completed torough mall-reastivious as an ambah parkets of justiced wassinger theils of heat exchangers.	5/8
Name of Carroling Carrolin	7
Olish Dol Wold butt H.T No X.R. Completeseries No No. of Courses 3	
HEAIM (a) Marerial See Ilem 10 T.S. (b) Marerial Conicol Hemispherical Flat Side to Fredam (Fep, bestem, ends) This inners Radius Hadius Hatte Apen Angle Redius Diameter (Convex or Const.	
(b)	
If removable, bolts used (Masorial, Apre. No., F.S., Else, Humber) (Describe or Attach Elietch)	
. STAYHOLTS: If hollow Attachment Pitch X Diam (Hominoi)) (1))
(Docaribo as ages & wald, har etc. If has, give dissentions, if halted, describe or aborch)	
Allowable working press 3 375 psi at max. temp. 281 °F. less than -20°) Press 563	pei.
ms 10 and 11 to be completed for tube sections.	
TUBE SHEETS: Sentionary, Material SA-212-B FEL Diam 62 f In. Thickness 37 In. Attachmens Welder (Subject to Pressure)	प्रकार प्रकार
Floating. Unrecial la. Attachment la. Attachment la.	
70=30 CILNI.	
(Straight or U)	
rms 12-14 incl. to be completed for annoughoutered to the complete of heat exchangers. (2) Nominal / Corrosion 1 2 - 3	1/2
2. SHELL Meterial SA-212-R T.S. FRX 7000 Thickness 7/8 In. Allowance 8In. Diam. 5 Ft. 1 In. Length 1 Ft. 1	<u>1-34</u> 4
S. SEAMS: Long Dol. Weld Butt H.T. No x.R. Complete Sectioned No Efficiency 100 % fully on fully on	70.
Glick Dol Weld Butt H.T. No x.R. Completesectioned No No. of courses 1 from	
HEADS (a) Material T.S. (b) Material SA-212-BS. 70000(c) MateriaSA-212-BT.S. 70000	
Loretton Thickmoon Radius Radius Rate April Angle Radius Diameter (Convex or Com	7.00)
b) Channel Top 8" 70 1/8"	
c) Electing Bot. 5.3/4" 70 1/8" 17 (b) 60 - 1 3/8" SA-193 B7 125000	
If removable, bolta used (a) (Helerial, Sper. No., 1.3., Mar. Number) (b) 60 - 1 3/8" SA-193 B7 125000	
(c) 60 - 1 3/8" SA-193 B7 125000 Other fastening (Describe or Attach Blotch)	
. Constructed for max. Allowable working press 2375 psi at max.temp.281 °F. less than -20°)	pei.
rms below to be completed for all vessels where applicables	
SAFETY VALVE OUTLETS: Number Size Location NOZZLES Purpose (inist, Oralist, Oralist	
Outlet Deale, Manager Disc. or Size Type Manager Thickness Manager Man	
Inlet-Out 2 16" Weld End SA-106-B .500" SA-212-B Welded	
Vents 3 1" Socket Weld SA-181-1 6000# Counting Welded	
Drains 2 2" Socket Weld SA-181-1 6000# Coupling Welded	
10	

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FORM Ust (heek)

Ohe	(MINGS: Handboles, No	###	Loration !	CHON INTO VIEWOR	
	Threaded, No.	Size	Location		
IP. SUP	PORTS: Skin No	Luge(Runder)	_ 1000	Diber Brackets	Attac be
· ·	MARKS: Contairment Exc			Item 1	
				The state of the s	
	1 Side - Perineralized nel Side of Tube Sheets				,
PARTERI	Mer Side of Tube Sheets	2 MOREL WHELE	1.	L	•
Chan	nel Fles. SA-105-2 5	5/16" tk.			<u> </u>
		1.18.111			
	(Brief description of purpose of	the vessel, se Air Tanh, After	Caulor, Jorketed Coulor	, etc. Mote contents of each	
¥.	certify that the statements made is	n this report are correct and t	has all details of des	ign, material, consequerion	, and .
	venuel conform to the ASME Code				٠.
Dete	AUG 3 1967 19	_ SignedBerlin_Char	can	_B, 1 \d1.==	
			M(wor)		
Cer	tificate of Authorization Expires	December 31, 1970	·		
_			<u> </u>	• •	•
ſ					. :
. [CERTIFICATE OF S		-	•
1	VESSEL MADE BY Borlin,		= _Berlin_		
1	I, the understand, holding a rel	lid commission issued by the N	Steam Board of Boiler	and Pressure Vessel Inspect	ore and
,				IRC I. N. U. CO	
]:	the State of NaBa	and employed by	TOTO DECEMBEDOT		
	Hartford Conn	bare (aspected the pressure	voscoi described la this man	water
.	Hart fors, Conn. date report toAIIC 7.1	196719and at	naported the pressure atombes of	vessel described in this man my knowledge and belief, the	ulectus • menu
	data report onAUC 3 1 twee has evected this present Code.	1967 19 , and at	naported the pressure ate that to the best of applicable sections of	vessel described in this man my hastricage and bollet, the I the ASME Betler and Press	efector • Beau ere Ve
	data report onAll C 3 1 twee has superied this present Code. By signing this certificate soith	1967 19 , and at b vessel in accordance with the	napocted the pressure ato that to the best of a applicable sections of yer makes any warrant	vessel described in this man my knowledge and belief, the f the ASME Beller and Press y, expressed or implied, con-	efector e meno ere Ve ceralag
	data report on	1967 19 , and at respect to the manufacturer's date report. Part	naported the pressure ate that to the best of applicable sections of the sections of the section	vessel described in this man my knewledge and belief, the f the ASME Beller and Press y, expressed or implied, con- spector see his employer that	nfactor menu men Ver cerning il be iii
	date report on	1967 19 , and at respect to the manufacturer's date report. Part	naported the pressure ate that to the best of applicable sections of the sections of the section	vessel described in this man my knewledge and belief, the f the ASME Beller and Press y, expressed or implied, con- spector see his employer that	nfactur e mean nee Ver cerning il be lis
:-	data report onAIIC 3 1 twee has especied this present Code. "By signing this certificate soith pressure reased described in this is in any meaner for any personal in	1967 19 , and at respect to the manufacturer's date report. Part	naported the pressure ate that to the best of applicable sections of applicable sections of applicable sections of any warrant hermore, acither the laws of any kind ariaing	vessel described in this man my knewledge and belief, the f the ASME Beller and Press y, expressed or implied, con- spector see his employer that	efector e mane ere Ve cerning il be ii
:- <u> </u>	Hart form. Conn. dots report onAUG 31 twee has expected talk present Code. By signing this certificate soilt pressure reased described in this is in any measer for any personal in DateAUG 5	1967 19 , and at a vessel in accordance with the her the inspector nor his emple manufacturer's data report. Partijury or property damage or in the commission of the commissi	naported the pressure ate that to the best of applicable sections of the sections of the section	ressel described in this man my hastricage and belief, the fithe ASME Belief and Press, a supercool or implied, composite see his employer that from or connected with this in the fitter of the fitte	efector e mane ere Ve cerning il be ii
	data report onAIIC 3 1 twee has especied this present Code. "By signing this certificate soith pressure reased described in this is in any meaner for any personal in	1967 19 , and at a vessel in accordance with the her the inspector nor his emple manufacturer's data report. Partijury or property damage or in the commission of the commissi	naported the pressure ate that to the best of applicable sections of applicable sections of applicable sections of any warrant hermore, acither the laws of any kind ariaing	vessel described in this man my knewledge and belief, the f the ASME Beller and Press y, expressed or implied, con- spector see his employer that	nfactur e mean nee Ver cerning il be lis
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	Hart form. Conn. dots report onAUG 31 twee has expected talk present Code. By signing this certificate soilt pressure reased described in this is in any measer for any personal in DateAUG 5	1967 19 , and at a vessel in accordance with the her the inspector nor his emple manufacturer's data report. Partijury or property damage or in the commission of the commissi	naported the pressure ate that to the best of applicable sections of applicable sections of applicable sections of any warrant hermore, acither the laws of any kind ariaing	ressel described in this man my hastricage and belief, the fithe ASME Belief and Press, a supercool or implied, composite see his employer that from or connected with this in the fitter of the fitte	nfactur e mean nee Ver cerning il be lis
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	Hart form. Conn. data report onAHG 3 1 turer has superied talk present Code. By signing this certificate soith pressure vessel described in this t in any manager for any personal in DateAUG 5	1967 19 , and at a vessel in accordance with the her the inspector see his emple manufacturer's data report. Partiery or property damage es a la commission of the commission	napocted the pressure set that to the best of applicable sections of applicable sections of applicable sections any warrant hermore, acither the laws of any hind criain; OND N.B. Mor'!	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, empressed or implied, com- poetter nor his employer that g from or connected with this f Beard or Stote and He.	efecture manuscript variants
	Hart form Conn. data report on	1967 19 , and at a vessel in accordance with the her the inspector see his emple manufacturer's data report. Partiery or property damage es a la commission of the commission	napocted the pressure set that to the best of applicable sections of applicable sections of applicable sections any warrant hermore, acither the laws of any hind criain; OND N.B. Mor'!	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, empressed or implied, com- poetter nor his employer that g from or connected with this f Beard or Stote and He.	efecture manuscript version per certain pe
	Hart form Conn. data report on	1967 19, and at a versael in accordance with the manufacturer's data report. Partially or property damage et a la commission of the commission issued by the king and employed by	napocted the pressure ste that to the best of applicable sections of applicable sections of applicable sections any warrant hermore, acither the lates of any kind arials; and arials; arials; arials; and arials; and arials; and arials; arials; arials; arials; arials; arials; arials;	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, empressed or implied, com- pecture nor his employer that g from or connected with this of Beard or Stote and No. CTION and Pressere Vessel laspec	efector more ver corning it be it inapect
	Hart form Conn. data report onAIIG 3 1 twee has structed this present Code. By signing this certificate soith pressure reased described in this is in any manare for any personal in DateAUG 5	TIFICATE OF FIELD	napocted the pressure ste that to the best of applicable sections of applicable sections of applicable sections any warrant hermore, acither the laws of any kind arials; and applicable sections of Belletties of Belletties details	ressel described in this man my knowledge and belief, the fine ASME Belief and Press, on pressed or implied, compressed or implied, compressed or implied, compressed or his employer that from or connected with this from or connected with the connected with	efector more ver cerning it be li inapect
	Hart form Conn data report onAIIG 3 1 twee has *venered tall present Code. By arguing this certificate soith pressure vessel described in this is in any manare for any personal in DateAUG 5	TIFICATE OF FIELD in commission Tificate of Field in and employed by and state that parts referred to show the inspector are his employed by and state that parts referred to show laspection have been in	napocted the pressure ste that to the best of applicable sections of applicable sections of applicable sections of applicable sections and sections of any blad arising the section of Boiler to applicable sections of Boiler compared the stoleres and the section of the section	ressel described in this man my knowledge and belief, the fine ASME Belief and Press, on the ASME Belief and Press, on the complete of implied, compectate use his employer that from or connected with this from or connected with the conn	efectore emenumere Vereing its be it inapect
	Hart form Conn data report onAll C 3 1 turer has *tracted tall present Code. By signing this certificate soith pressure vessel described in this is in any manare for any personal in Date AUG 5 **The CER* Laporters Figures the State of with the described pressure vessel and included in the certificate of the manufacturer has constructed	TIFICATE OF FIELD Id commission issued by the id Tipicate of employed by and state that parts referred to shop laspection have been in and essembled this pressure y	napocted the pressure set that to the best of applicable sections of applicable sections of applicable sections of applicable sections of applicable set of applicable sections of applicable sections of applicable sections of sections appeared the statements data from the section of the section of the section of the sections of the section of the sec	ressel described in this man my knowledge and belief, the fine ASME Belief and Press. y, expressed or implied, composite wer his employer that from or connected with this from or connected with the first manufacturer's in the the opp , sable sections or the first manufacturer's first the opp , sable sections or	ufactor o manu mre Ver cerning it be lift inapect fore an dota re r and be if the A
	Hart form Connadate report on AIIC 3 1 there has structed bild pressure. Code. By signing this certificate solid pressure weared described in this is in any manager for any personal in Date AUG 5 100. CER 1, the undersigned, holding a validate of the State of	TIFICATE OF FIELD And employed by commission in accordance with the manufacturer's data report. Furtifury or property damage or indigence of the manufacturer's data report. Furtifury or property damage or indigence or indigenc	napocted the pressure set that to the best of applicable sections of applicable sections of applicable sections of set kind arising the section of s	ressel described in this man my knewledge and belief, the fibe ASME Belief and Press. The ASME Belief and Ho. The Asmed or Blots and Ho.	ufactor more ver corning it be lit inapect fore an data re and be f the A
	Hart form Conn. data report on	TIFICATE OF FIELD And employed by and employed this pressure was laspection have been in and essembled this pressure was laspection as laspectic as lasp	napocted the pressure set that to the best of applicable sections of applicable sections of applicable sections of applicable sections any warrant hermore, acither the lates of any hind arising the section of the sec	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, expressed or implied, com- poctor nor his employer that g from or connected with this of Beard or Stote and He. CTION and Pressere Vessel inspec- tio in this manufacturer's t to the be of my knewledge th the app , cable sections o hydrostetic treat of	tore and before A
	Hart form Conn. data report on	TIFICATE OF FIELD And employed by the line of the parts referred to and employed by the lid commission issued by the lid commission is not commission.	napocted the pressure ste that to the beat of applicable sections of applicable sections of applicable sections any warrant hermore, acither the laws of any kind arials; and applicable any kind arials; and aria	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, empressed or implied, com- pector nor his employer that g from or geometred with this from or geometred with the upp able sections of hydrosletic tract of mention one his employer that	tore an data re-
	Hart form Conn. data report on	TIFICATE OF FIELD Id commission issued by the inspector are his emple manufacturer's data report. Fart life of property damage or in- TIFICATE OF FIELD Id commission issued by the id- and employed by have and state that parts referred to shop inspection have been in and essembled this pressure w The described vessel was laspe her the laspector are his emplayor or property damage or a jury or property damage or a	aspected the pressure sets that to the best of applicable sections of applicable sections of applicable sections and applicable sections of applicable sections and arising the section of any hind arising the section of Bellet compared the statements dotted and subjected to a sected and subjected to a section of any kind arising the section of any k	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, empressed or implied, com- pector nor his employer that g from or geometred with this from or geometred with the upp able sections of hydrosletic tract of mention one his employer that	tore an data re-
	Hart form Conn. data report on	TIFICATE OF FIELD Id commission issued by the limited that the parts referred to and employed by and employed by and employed by and essembled this pressure with the described vessel has laspe to a limited the parts referred to a shop inspection have been in and essembled this pressure with the laspector are his employed by a perfect of the laspector was his employed to prepare the described vessel has laspe the first perfect or a limited that report. Further, or preparely damage or a limited that the laspector are his employed the preparely damage or a limited that the laspector are his employed.	napocted the pressure sets that to the beat of applicable sections of applicable sections of applicable sections of applicable sections of applicable sections. N.B. Men'l Nor'l No	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, empressed or implied, com- pector nor his employer that g from or geometred with this from or geometred with the upp able sections of hydrosletic tract of mention one his employer that	tore and before A
	Hart form Conn. data report on	TIFICATE OF FIELD Id commission issued by the limited that the parts referred to and employed by and employed by and employed by and essembled this pressure with the described vessel has laspe to a limited the parts referred to a shop inspection have been in and essembled this pressure with the laspector are his employed by a perfect of the laspector was his employed to prepare the described vessel has laspe the first perfect or a limited that report. Further, or preparely damage or a limited that the laspector are his employed the preparely damage or a limited that the laspector are his employed.	napocted the pressure sets that to the beat of applicable sections of applicable sections of applicable sections any warrant hermore, acither the laws of any hind arials was of any hind arials was also as a section of Beiles compared the statements data from the section of the section of the section of any hind arials hermore, acither the laws of any hind arials are set	ressel described in this man my knewledge and belief, the f the ASME Belief and Press y, empressed or implied, com- pector nor his employer that g from or geometred with this from or geometred with the upp able sections of hydrosletic tract of mention one his employer that	tore and before A

1. Owner: ComEd Compan One First Nation	y (Name) nal Plaza, Chicago IL, 606	90 (Address)		I	Date: <u>5-2</u>	8-97	
2. Plant: Dresden Nu	clear Power Station Dresden Road, Morris IL.,	(Name)				Sheet: <u>1</u> Of	
3. Work Performed By: _Con	nEd/Bechtel	(Name)				PLAN 3-96-038)	
_ Sar	ne as Above	_ (Address)		Re	pair Organiz	zation P.O. No., Job No.	etc.
4. Identification of System:	1500 LPCI	<u>~</u>					
5. (a) Construction Code (b) Edition of Section 3	ASME Section VIII (I used for Repair/Replace	, 19 <u>65</u> Editi ment 19 <u>89</u> Ed	ion, <u>NO</u> lition,	Addenda, Code Ca NO Addenda, Code C	ases NON	E ONE	
6. Identification of Component	s Repaired or Replaced ar	nd Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
2" Relief Valve	Dresser Industries	UNKNOWN	N/A	3-1501-17A	N/A	Replaced	No
			↓				
2" Relief Valve	Dresser Industries	TL-05316	N/A	SI #503E01	N/A	Replacement	No
	<u> </u>					·	ļ
	<u> </u>	ļ <u>-</u>	<u> </u>				
	<u> </u>	<u> </u>	<u>L</u>] 		<u> </u>	<u> </u>
7. Description of work: Repla	aced existing LPCI "A" di	scharge relief valve	which fai	led IST surveillance wit	h brand new	valve.	
9. Test Conducted: Hudants	sia () Danmarda ()	Nania I Oaarai	- D	· (V.) New Asselfactor			
8. Test Conducted: Hydrosta		•	_	e [X] Not Applicabl	e (j		
O Banaska Evanination			est temp	erature <u>77 °</u> °F			
9. Remarks: Examination pe	riormed during LPCI surv	eillance.					
	 .			••			
We certify that the statement	s made in this report are o	Certificate orrect and this REP			on XI of the	ASME Code.	
Signed: Brendan	J. Casus	ISI COORDINAT	OR _	5-28 , 19 <u>97</u>	7_		
(Owner or O	wder's Designee	(Title)		(Date)			
		Certificat	te of Insp	ection			
I, the undersigned, holding a employed by The Hartford S							
this report on 5 30 Section XI of the ASME Co.	, 19 2 and state to the	best of my knowleds	ge and be	lief, this repair or replac	cement has t	een constructed in accor	dance with
repair or replacement describ property damage or a loss of	ed in this report. Further	more, neither the in	spector no	or his employer shall be	liable in an	y manner for any person	al injury or
521-0	spector:	Lany	, mapeendi		IL932. NB7	742NISR	
Date: V V C / In:	pector	1 KALVE /		Commissions:		ovince, National Board)	

DAP 11-18 REVISION 07

1. Owner: ComEd Companion One First Nation	y (Name) nal Plaza, Chicago IL, 6069	00 (Address)		Е	Date:2-1	3-97	
2. Plant: Dresden Nuc	clear Power Station Presden Road, Morris IL.,	(Name)				Sheet: 1 Of Unit: Spare	
3. Work Performed By: Sam						PLAN 3-97-001)	
San	ne as Above	(Address)		Re	pair Organiz	ration P.O. No., Job No.	etc.
4. Identification of System:	0203 Main Steam						
5. (a) Construction Code (b) Edition of Section X	ASME Section III II used for Repair/Replacer	_, 19 <u>68</u> Editi	on, <u>NO</u>	Addenda, Code Cas	ses <u>NONE</u>	ONE	
6. Identification of Component				nadonda, codo c	<u></u>	<u> </u>	
	· · · · · · · · · · · · · · · · · · ·	T	-	·			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Valve Disc for 6" Main Steam Safety Valve	Consolidated/Dresser	Unknown	N/A	Part #VGZ815K- OS343	N/A	Replaced	No
Valve Disc for 6" Main Steam Safety Valve	Consolidated/Dresser	Heat G1624	N/A	SI #570D97	N/A	Replacement	No
 			 				
7. Description of work: Repl. Dresden Mechanical Maintenar 8. Test Conducted: Hydrostat 9. Remarks: Valve set point	nce Department. Valve to it tic [Pneumatic [] Test Pressure	Nominal Operatin	Cities St ig Pressur Test Tem	ation as a spare assemble e [] Not Applicable perature°F	у		
							
We certify that the statement	ts made in this report are co	Certificat			on XI of the	ASME Code.	
· ,	110			2-13 19 <u>97</u> (Date)			
		Certifica	te of Ins	pection			
I, the undersigned, holding a employed by The Hartford S this report on Section XI of the ASME Corepair or replacement descrip property damage or a loss of Date:	iteam and Boiler Insurance, 194/ and state to the b de. By signing this certific and in this report. Furthern	and Inspection Co- est of my knowled ate neither the insp nore, neither the ir	of Hartfoge and be ector nor ispector n	ord, Connectictu having clief, this repair or replachis employer makes any or his employer shall be n. Commissions:	inspected the cement has by warranty, liable in an IL932, NB7	ne REPLACEMENT des been constructed in acco- expressed or implied, co- y manner for any persor	scribed in rdance with neerning the
	,	/			(State Of Pr	ovince, ivational board)	

1. Owner: ComEd Compan One First Nation	y (Name) nal Plaza, Chicago IL, 60	590 (Address)			Date:5-2	0-97	
	clear Power Station	(Name)				Sheet: 1 Of	1
6500 North D	Presden Road, Morris IL.,	60450 (Address)				Unit: 3	-
3. Work Performed By: Con	nEd\Bechtel	(Name)				PLAN 3-97-002) ration P.O. No., Job No	ata
Sar	ne as Above	_ (Address)			cpair Organiz	Alion 1.0. 110., 100 110	. 010.
4. Identification of System:	1500 LPCI/CCSW	-					
5. (a) Construction Code (b) Edition of Section 2	ASME Section III KI used for Repair/Replace	, 19 <u>65</u> _ Editio	on, <u>NO</u>	Addenda, Code Ca	ises <u>NONE</u>	ONE	
	•			Notice of the last		ONE	
6. Identification of Componen	is Repaired or Replaced a	nd Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
3A CCSW/LPCI Heat Exchanger	Berlin-Chapman	05036-4	3007	3A-1503	1967	Repair	Yes
Upper channel partition plate (A285 Grade C)	Unknown	None	N/A	Carbon Steel	N/A	Replaced	No
Upper channel partition plate (A240 Type 316L)	Unknown	Heat Number 64892	N/A	SI #819B22	N/A	Replacement	No
			ļ				
			<u> </u>			<u> </u>	
	<u> </u>						
7. Description of work: Repla	ced existing carbon steel p	artition plate in uppe	r channel	with stainless steel pla	te in accordan	ice with E12-3-96-228 ar	id repaired pitt
areas in shell wall by weld bui	ld-up.						
8. Test Conducted: Hydrosta	tic [] Pneumatic []	Nominal Operatin	g Pressur	e [X] Not Applical	ble []		
	Test Pressure	108/160 psig	Test Ten	perature <u>59/61</u> °F			
9. Remarks: Test pressure an	nd test temperature are tub	e side and shell side	respectiv	ely. Examination per	formed during	LPCI surveillance.	
		Certificat	e of Com	pliance			
We certify that the statement	1					XI of the ASME Code.	•
Signed: Sundant	ther's Designed	ISI COORDINAT (Title)	OR _	<u>5-27</u> , 19 <u>9</u> (Date)	_		
							
							
		Certifica	•				
I, the undersigned, holding a employed by The Hartford S described in this report on accordance with Section XI implied, concerning the repa	steam and Boiler Insurance 19 2 and and of the ASME Code. By sir or replacement describe	e and Inspection Co. I state to the best of igning this certificate in this report. Fu	of Hartfo my know neither t rthermore	ord, Connectictu having ledge and belief, this in the inspector nor his end, neither the inspector	g inspected the pair or replanding ployer make nor his empl	ne REPAIR/REPLACENT neement has been constructed any warranty, expressing the REPAIR neededd needed neededdd neededd needdd neededd neededd neededd neededd neededd neededd neededd neededd neededd neededd neededd neededd neededd neededd needdd neededd needdd needdd needdd needdd needdd needd	MENT ucted in ed or
any personal injury or prope	1/ -	iy kind arising from	or conne	•			
Date: <u>5.27-9</u> In:	spector: /41/	1 Khuse/		Commissions: _		742NISB ovince, National Board)	

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS As required by the Provisions of the ASME Code Rules

98-7-4 4		ric Company,	(Mari) 444 544654 6	· /	\ '	1067
. Tree Porting						uli <u>1967 </u>
rms 4—9 lact, to be c	emploted torough	-all-weerlo (curb	er en tanboh parket	Carresian I	deepkelle of heat e	schangere.
, SHELL: Material (K.		7.0000 (Fig. or V.E. 8 5pos.			Diam. 5 Ft. la. L.	[W / PTPLDG GO- {
					cloney 100 a	fully on to
nim Do	l.Wold butt	H.T No X.	R. Completesee	tisaed <u>NO</u> No. (of Courses3	Anna.
HEADS (a) Material Lawrence (Top. bestern, end	See Item 1	Crown Kourble Redius	(b) Material Ellipsiesi Hatte	Conicol Houses	herical Plat two Diamotor (Co	pio to Pressure more or Concess)
(b)						
If remevable, bolt	used (Marerial And	эс. Но., Ү.З., <u>З</u> ыо, <u>Н</u> ш	Other lance	Describe e	w Attoob Shotch)	71
. STAYBOLTS: L JACKET CLOSUR		(Size of Hole)	(Threshol, 8	Pitch (Heri	X (Vert.) Dia	(Heminal)
•	(Désa	1150 40 eque & well, b		-		
. Consumered for mailtowable working	press 1 375	psi at max. temp	281 °F. less than	p. (when _20°)	Passonie or Test Passonie or Test F. Combination	•_563psi.
me 10 and 11 to be	completed for tube	sections.		3		
TUDE SHEETS: S			Diam.	OZ T. In. Thicks	ens 37 In. Attachme	welded, Heliod)
	loating. Vaterial		Diam.	le. Thicks	ess In. Attachme	rat
	0=30 CILNI		kness 18 BKG			. :
. TUBES: Material						Straight
		on-chambers of jeobs				2 - 3 1/2
2. SHELL Material	SA-212-B	T.S. FBX 70000	Thickness 7/8 la.	Allowance Sin. D	iam. <u>5</u> ft. <u>1</u> In. Len	sth 1 Ft. 11 BV
					fficiency 100 %	I TILIAGESE GO- 1
Cash Could Do	ed, Dbl., Slagie, Lap,					
•		H.T. No	x.a. Completes-	ctioned No M	io. of courses 1	ferm.
Gleck Db	l Weld Butt	H.T. <u>No</u> T.S. (b)			lo. of courses <u>1</u> JaceriaSA <u>-212-B</u> T.s	ferm.
Gleck Db	l Weld Butt		Material SA-212-		InterioSA-212-BT	ferm.
Girth Db. HEADS (a) Materi Laration a) Top bettom, ends	l Weld Butt Cr Thickness Re	T.S. Konskie	Material SA-212-	E.S. <u>70000</u> (c) i	dateriaSA-212-BTS lead Plat Diameter (C	ferm. 70000
Girth Db HEADS (a) Materi Levation a) Top bettom, ends b) Channel Top	Thickness Cr	T.S. Konskie	Material SA-212-	E.S. <u>70000</u> (c) i	InterioSA-212-BT	ferm. 70000
Girth Db HEADS (a) Materi Loration Top bettom, ends b) Channel Top	Thickness Re 811 5 3/411 bits used (a)	T.S. (b)	Material SA-22- Elliptical S Ratio Ap	Es. 7000(c): Conical Hemispheres Angle Redisc	dateriaSA-212-BTS lead Plat Diameter (C	form. 70000 Side to Pressure onvex or Concave)
Girth Db. HEADS (a) Materi Levation a) Top bettom, ends b) Channel Top c) Eleating Bot.	Thickness Cr 811 5 3/1,11 olts used (a) (Marc	T.S. (b)	Material SA-212- Elizate al (Eatle Ap	E.S. 70000(c): Conical Hamispher on Angle Redited (b) 60 - 1	70 1/8" 70 1/8" 3/8" SA-193 B	form. 70000 Side to Pressure onvex or Concave)
Girth Db. HEADS (a) Materi Levation a) Top bettom, ends b) Channel Top c) Eleating Bot.	Thickness Re 811 5 3/411 bits used (a)	T.S. (b)	Material SA-22- Elliptical S Ratio Ap	E.S. 70000(c): Conical Hemisphere Redisc	Topostika et Alice	form. 70000 Side to Pressure carves or Cancere) 7 125000
Girth Db HEADS (a) Materi Location a) Top bottom, ends b) Channel Top c) Eleaning Bot If removable, be	Thickness Cr Bil 5 3/Lil Olts used (a) (Mark	T.S. (b) Fraction Redius Frial, Spec. No., T.S., 3	Material SA-212- Elitrete al Grante Ap Est to Ap Lee, Number) 93 B7 125000	E.S. 70000(c) / Conical Homispher Redited (b) 60 - 1 Other fastening	AnterinSA-212-BTs Flat Plat Plat Plat Plat Plat Plat Plat P	form. 70000 Side to Pressure (mres or General) 7 125000 h Simich)
Girth Db. HEADS (a) Materi Location a) Top, bettom, ends b) Channel Top c) Eleaning Bot. If removable, be Constructed for mailtowable working	Thickness Re SII 5 3/4! olts used (a) (c) 60 -	T.S. (b)	Material SA-212- Elityste al (Pariso April 1988) Ere, Number) 93 87 125000 Min. remp. (E.S. 70000(c) / Conical Homispher Redited (b) 60 - 1 Other fastening	AnterinSA-212-BT steel planeter (C 70 1/8" 70 1/8" 3/8" SA-193 B	form. 70000 Bide to Pressure (mres or Geneave) 7 125000
Girth Db HEADS (a) Materi Laratton a) Top, bottom, ends b) Channel Top c) Eleating Bot If removable, be Constructed for m allowable working	Thickness Ro SII 5 3/LII olts used (a) (Mail (c) 60 -	T.S. (b) See 1 Renerate Redius Redius Print Spec. No. T.S., 3 1 3/8" SA-1	Material SA-212- Elityste al (Pariso April 1988) Ere, Number) 93 87 125000 Min. remp. (E.S. 70000(c) / Conical Homispher Redited (b) 60 - 1 Other fastening	AnterinSA-212-BT complete properties of Albert 193 B (Describe of Attach Hydrostatic Beaumatic of Beaumatic Press Gentinerion Press	form. 70000 Side to Pressure (mres or General) 7 125000 h Simich)
Girth Db. HEADS (a) Material Loration a) Top bottom, ends b) Channel Top c) Eleating Bot. If removable, be Constructed for mallowable working cas below to be con-	Thickness Cr 811 5 3/1,11 olts used (a) (block (c) 60 -	T.S. (b) T.S. (b) T.S. (b) Exercise Redius Redius Redius Redius Redius Redius Redius Redius	Material SA-212- Elizate al Grando Ap Ere, Number) 93 B7 125000 Min. remp. (Conical Hamispher Rediscrete (b) 60 - 1 Other fastening when 20°) °F	AsterinSA-212-B T. size Plet Diameter (C 70 1/8" 70 1/8" 3/8" SA-193 B SA-193 B SA-193 B SA-193 B SA-193 C Sambinorion Pres C Sambinorion C Sambinorion	form. 70000 Side to Pressure (mres or General) 7 125000 h Simich)
Girth Do i. HEADS (a) Materi Laration a) Top bottom, ends b) Channel Top c) Eleaning Bot. If removable, be Constructed for m allowable working cms below to be cos SAFETY VALVE NOZZLES Purpose (iniet, Outlet, Drain) Inlet-Out	Thickness Ro 811 5 3/1.11 ples used (a) (blood (c) 60 - an. press 375 ps apieted for all vess OUTLETS: Number	T.S. (b) T.S. (b) T.S. (b) Exercise Redius Redius Redius Redius Redius Redius Redius Redius	Material SA-212- Elizate al Grando Ap Elizate Ap Est. Rumber) 93 B7 125000 Min. remp. (OF. lean than-	Conical Hamispher Rediscrete Red	AnterinSA-212-B T.s. In Plat Plat Plat 70 1/8" 70 1/8" 3/8" SA-193 B (Poseribo er Attaching President Hydroaratic President President Location Reinforcement SA-212-B	form. 70000 Side to Pressure (correst or General) 7 125000 h SSeich) a 563 psi. Hew Attached Welded
Girth Db i. HEADS (a) Materi Loration a) Top bottom, ends b) Channel Top c) Eleaning Bot. If removable, be Constructed for m allowable working cms below to be con SAFETY VALVE NOZZLES Purpose (inlet, Outlet, Drain) Inlet—Out	Thickness Ro 811 5 3/1.11 ples used (a) (blood (c) 60 - an. press 375 ps apieted for all vess OUTLETS: Number	i at mas. temp. 281 els where applicable B"Con. Red Wel 16" Wel	Material SA-22- Elizate al Ap Elizate Ap Elizate Ap Elizate Ap Estate Ap Min. remp. (OF. leas than- Size Typo Mater d End SA-10 d End SA-10	(b) 60 - 1 Other fastening when 20°) °F Intelligence 6-B .500°	Asteria SA-212-B T. Sie Diameter (C. 70 1/8" 70 1/8" 3/8" SA-193 B (Describe or Attach Hydroacacic Beautanic or Press Location Press Example of SA-212-B SA-212-B SA-212-B	7 125000 The Stoich) Hew Attached Welded Welded
Girth Db i. HEADS (a) Materi Loration a) Top bettom, ends b) Channel Top c) Eleating Bot. If removable, be Constructed for m allowable working cms below to be con SAFETY VALVE NOZZIES Purpose (inist. Outlet, Drain) Inlet—Out	Thickness Ro 811 5 3/1.11 ples used (a) (blood (c) 60 - an. press 375 ps apieted for all vess OUTLETS: Number	i at mas. temp. 281 cls where applicable B"Con. Red Wel 16" Wel 1" Sock	Material SA-22- Elizate al Ap Elizate al Ap Elizate al Ap Estate Ap Estate Ap Estate Ap Min. remp. (OF. leas than- Size Typo Mater d End SA-10 d End SA-10 et Weld SA-18	E.S. 70000(c): Conical Homispher Paditus (b) 60 - 1 Other fastening when 20°) °F Interpretation of the conical factor of the c	AsterinSA-212-B T.S. Ideal Diameter (C. 70 1/8" 70 1/8" 3/8" SA-193 B (Describe or Attached Hydroatatic Parameter or Press Location Press SA-212-B SA-212-B Coupling	7 125000 The Stoich) Attached Welded Welded Welded
Girth Do i. HEADS (a) Materi Loration (a) Top, bottom, ends (b) Channel Top (c) Eleating Bot. If removable, be Constructed for m allowable working cma below to be con SAFETY VALVE NOZZLES Purpose (injet.	Thickness Ro 811 5 3/1.11 ples used (a) (blood (c) 60 - an. press 375 ps apieted for all vess OUTLETS: Number	i at mas. temp. 281 cls where applicable B"Con. Red Wel 16" Wel 1" Sock	Material SA-22- Elizate al Ap Elizate Ap Elizate Ap Elizate Ap Estate Ap Min. remp. (OF. leas than- Size Typo Mater d End SA-10 d End SA-10	E.S. 70000(c): Conical Homispher Paditus (b) 60 - 1 Other fastening when 20°) °F Interpretation of the conical factor of the c	AnterinSA-212-B T. Sient Diameter (C. 1/8" 70 1/8" 70 1/8" 3/8" SA-193 B (Describe or Attack Hydrostatic Placements or Press Location Reinfercement Material SA-212-B SA-212-B Coupling	7 125000 The Stoich) Hew Attached Welded Welded

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FORM Usi (beek)

March Marcella de Marie de	Siao	Location Removable Heads	1
Dr.ENINGS: Handboles, No.	Size	Location Kemoyabin Heads	
Threaded, No SUPPORTS: SkimNo	Luga	Lege Other Brackets	Asserbed Mold
(You as No)	(Rembde) .i.	(Brander) Bossilie)	(Special)
REMARKS: Contairment Ex	cchanger "	Item 1	' al
ell Side - Demineralized	1 Water - Tube Side -	Diver Weter	
annel Side of Tube Sheet	ts + Monel Overlay	त्र । १ वर्षाः वर्षान् स्ट्रान्तं क्वाराम् वर्षाः स्टब्स्यान्तं क्वाराम् । । क्वार्यक्रम् स्टब्स्य वर्षाः वर्ष	Commonwell by
·-	:	1,	
nannel Fles. SA-105-2	5 5/16" +k	No. 10 No	· · · · · · · · ·
(Brief description of purpose t	of the vessel, as Air Tanh, After (Cooler, Jacksted Cooker, ster Moto contents of each t	Pert.)
We certify that the statements made	in this report are correct and t	that all details of design, material, construction,	and workmanahir
his vessel conform to the ASME Cod	le for Unfired Pressue Vesselr	•	4 :
• AUG 3 1 1967 19	Signed <u>Berlin Char</u>	man a [] []	
	Signed (Manual	acturer)	m
Certificate of Authorization Expires	December 31, 1970		
			1,1,1
1	CERTIFICATE OF S	HOP INSPECTION	
' Pambla			
		= Berlin, Wisconsin	
I, the understgmed, holding a s	relid commission issued by the N Haret	fational Board of Boiler and Pressure Vessel Inspect	ers ead/or
the State of	and employed by	ford Steam Boiler I. & D. Co.	•
Hartford, Conn.	1007	inspected the pressure vessel described in this man-	
data report onAllG_3	19 and at	tate that to the best of my knowledge and belief, the e applicable sections of the ASME Boiler and Press	Banulat-
Code.	** ************************************	a shareness sacreds of the World Polist me alson	
"By arguing this certificate as	either the inspector ser his emplo	over makes any warranty, expressed or implied, conc	reming the
pressure vessel described in thi	is manufacturer's data report. Furt	thermore, neither the Inspector nor his employer shalloss of any hind arising from or connected with this c	li be liable
Pale AUG 5 1967	and a property comments of		
Date AUG 0		S	ì
1 27 6	- man	N.B. 1492	1
Spacetrary Sign	Commissi	Not'l Board or State and No.	 '
- •			المستحدد المستحدد
,			 -
CE	ERTIFICATE OF FIELD	ASSEMBLY INSPECTION	Ţ.
	,	National Board of Boller and Pressure Vessel Inspec	ion md/or
it as marin these solutions a	and employed by	touched books of bones are fillered vesses any	
the State of			
the State of		compared the statements in this manufacturer's	data report
	have	compared the statements in this manufacturer's o	data report
-with the described pressure vess	have bel and state that parts referred to	es data items	and belief
-with the described pressure vess	have bel and state that parts referred to	as data items	md belief
with the described pressure vess not included in the certificate the massfacturer has constructe	have led and state that parts referred to of shop inspection have been in dead assembled this pressure v	es data items	and belief
-with the described pressure vess not included in the certificate the manufacturer has constructe Beller and Pressure Vessel Code	have led and state that parts referred to of shop inspection have been in dead assembled this pressure ve. The described vessel was inspe	es data items	md belief
with the described pressure vess not included in the certificate the manufacturer has constructe Boiler and Pressure Vessel Code By signing this certificate as	have led and state that parts referred to of shop inspection have been in id and assembled this pressure v c. The described vessel was inspe- either the Inspector are his employment. For	as data items	p and belief of the ASME put
with the described pressure vess not included in the certificate the manufacturer has constructe Boiler and Pressure Vessel Code By signing this certificate as pressure vessel described in this is any manner for any personal	have led and state that parts referred to of shop inspection have been in red and assembled this pressure v e. The described vessel was inspe- either the inspector nor his empl- in negalacturer's data report. Fur- ladiary or property describes or a	as data items	p and belief if the ASME pui. icensing the ill be liable; r inspection.
bith the described pressure vesses to included in the certificate the manufacturer has constructed. Belier and Pressure Vessei Code. By signing this certificate as pressure vessel described in this is any manner for any personal.	have led and state that parts referred to of shop inspection have been in led and assembled this pressure ve. The described vessel was inspective the inspector see his emplaint the inspector see his emplaint or preperty damage or a largery or preperty damage or a	as data items	p and belief of the ASME put
bith the described pressure vesses not included in the certificate the manufacturer has constructed. Beller and Pressure Vessei Code. By signing this certificate as pressure vessel described in this last any manner for any personal. Date	have led and state that parts referred to of shop inspection have been in led and assembled this pressure ve. The described vessel was inspection for his emplies manufacturer's data report. Farm injury or preperty damage or a legistry of preperty damage or a legistry or preperty or legistry	as data items	p and belief f the ASME pui. icersing the II be liable;
bith the described pressure vesses to included in the certificate the manufacturer has constructed. Belier and Pressure Vessei Code. By signing this certificate as pressure vessel described in this is any manner for any personal.	have led and state that parts referred to of shop inspection have been in led and assembled this pressure ve. The described vessel was inspective the inspector see his emplaint the inspector see his emplaint or preperty damage or a largery or preperty damage or a	as data items	p and belief f the ASME pui. icersing the II be liable;

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This Form is obtainable from the Asite, 347 E. 47th St., New York, N.Y. 10017

1. Owner: ComEd Compan One First Nation	y (Name) nal Plaza, Chicago IL, 606	590 (Address)	_		Date:5-2	1-97	
2. Plant: Dresden Nu	clear Power Station Dresden Road, Morris IL.,	(Name)				Sheet: 1 Of	
3. Work Performed By: Con				WR 9	060118148 (1	Unit: <u>3</u> PLAN 3-97-003)	-
Sar	ne as Above	_ (Address)		F	tepair Organiz	cation P.O. No., Job No	. etc.
4. Identification of System:	1500 LPCI/CCSW	_					
5. (a) Construction Code (b) Edition of Section 2	ASME Section III KI used for Repair/Replace	, 19 <u>65</u> Editio	on, <u>NO</u> lition,	Addenda, Code C	ases <u>NONE</u> Cases N	ONE	
6. Identification of Component		<u>—</u>					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
3B CCSW/LPCI Heat Exchanger	Berlin-Chapman	05036-3	3006	3B-1503	1967	Repair	Yes
Upper channel partition plate (A285 Grade C)	Unknown	None	N/A	Carbon Steel	N/A	Replaced	No
Upper channel partition plate (A240 Type 316L)	Unknown	Heat Number not recorded	N/A	SI #819B22	N/A	Replacement	No
7. Description of work: Repla areas in shell wall by weld bui	ced existing carbon steel p	artition plate in uppe	r channel	with stainless steel pla	te in accordan	ice with E12-3-96-229 ar	nd repaired pitt.
8. Test Conducted: Hydrosta		Nominal Operating	•	e [X] Not Applica perature <u>68/58</u> "F	ble []		
9. Remarks: Test pressure ar	nd temperature listed for si	hell side and tube sic	le respect	ively. Inspection perf	ormed during	LPCI surveillance.	
We certify that the statement Signed: BALAGA (Owner or On	1 -	Certificate correct and this REP ISI COORDINAT (Title)	AIR/RE	pliance PLACEMENT Confor 5-28 19-5 (Date)		XI of the ASME Code.	,
		Certifica	te of Insp	ection			
I, the undersigned, holding a employed by The Hartford S described in this report on accordance with Section XI implied, concerning the repa any personal injury or prope	iteam and Boiler Insurance 1977 and of the ASME Code. By s ir or replacement describerty damage or a loss of ar	by the National Boa e and Inspection Co. I state to the best of igning this certificate d in this report. Fu by kind arising from	rd of Boil of Hartfe my know neither t rthermore or connec	ler and Pressure Vessond, Connectictu havin ledge and belief, this he inspector nor his e , neither the inspector	ig inspected the repair or repla mployer make nor his employer	ne REPAIR/REPLACES incement has been constructed any warranty, express	MENT ucted in ed or
Date: <u>6-3-97</u> In:	spector: Trus	7 Korace	<u> </u>	Commissions: _	IL932, NB7 (State or Pro	742NISB ovince, National Board)	

FORM U-I MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS An required by the Provisions of the ASME Code Rules

1. Measurement by Berlin Charman, My. Perfer Corp. Berlin, Wisconsin	
2. Manufactured for General Electric Company, San Jose, California	
mile and	3006. 1 Yes Built 1967
home 4-9 legt, to be completed for margin will receive fourtree air rankely justices at justiced receive	over shells of heat exchangers.
4. SHELL: Material SA-212-B T.S. PHY 70000 Nominal 7/8 in. Allowance Ca. D. (Fig. or J.E. Septe. Min. 7.3.)	ion. 5 Fe. 1 In. Longeth 2 Ve. 4 16
3. SEAMS, Long Dol. Held Butt H.T. No X.R. Complete Sectioned No Ellel	ency 100 q H rivered des
Click Dol Weld Bitt N.T. W. No. of No. of Sectioned NO No. of	
6. HEADR (a) Material See Them 10 T.S. (b) Material Control Homispho (Trop. hontom, control Thir horse Redise Resise Apen Angle Redise	Plat T.S.
(b)	
If community, boirs used (Morecui, Spec No., T.S., Stan, Number), Other fastening (Describe or	Attach Shojch)
7. STAYBOLTS: (Material) If bollow Attachment (Throndod, Wolded) Pitch (Heriz.	(Vent.) Diam (Neminal)
8. JACKET CLOSURE:	
9. Constructed for man. allowable working press 1 375 psi at man. semp. 281 of less than -200) op.	Hydrostatic Hydrostatic Test Gentlineview Picas 563 pai
tems 10 and 1) to be completed for tube sections.	2
10. TUBE MIFETS: Sentionary, Material SA-212-B (filed & Spec. No.) Diam. 62 3/h. Thicknes (Subject to Pressure)	(Wolded, Belled)
Floating. Material (Kind & Spor. No.) Diam. In. Thickness 70-30 CU.NI.	. Attachment
11. TUBES: Material SB 111 O.D. 3/L In. Thickness 18 BMG or Gage Number 25	12 Type Straight
(Rint & Spec. No.) Items 12-15 incl. to be completed for many changes of included very changes of heat exchange	(Straight - U)
12. SHELL Material SA-212-B T.S. FET 70000 Nominal 7/8 Corrosion = 12. SHELL Material SA-212-B T.S. FET 70000 Thickness 7/8 In. Allowance In. Diam (Via. or V. 8. 6 food. Min. 7.8.)	
13. SEAMS: Long Thole Weld butt H.T. No X.R. Complet dectioned No Elli	M strated dea
Girth Dol. Weld butt H.T. No X.R. Complete Sectioned No No.	of courses form.
14. HEADS (a) Material	
Loration Thirtmees Radius Radius Ratio Apen Angle Radius	Diameter (Convex or Conserve)
(b) Channel Top 8 ⁿ	70 1/8"
(c) Floring Bot. 5 3/4"	70 1/8"
If removable; bolts used (a) (Molecula Spec. No. 3.5, Size, Number)	8" SA-193 B7 - 125000
(c) 60 - 1 3/8" SA-193 B7 125000 Other fastening	:
	(Describe or Altach Switch) lydrostatic
	Press 563 pois
tems below to be completed for all vessels where applicable arrange, and a ser met among these to me,	
6. SAFETY VALVE OUTLETS: Number	ocation
7. NOZZLES Transport (Inlet, Outlet, Dealer, Diam. or Size Transport Type Material Thickness	Reinforcement How Material Attached
Inlet-Outlet 2 24 x18 Con. Red. Weld End SA-106-B 500" SA-106-B 500"	SA-212-B Welded SA-212-B Welded
Vent 3 1" Socket Weld SA-181-1 6000#	Coupling Welded
Drain 2 27 Socket Weld SA-181-1 6000#	Coupling Welded
	-,
	
A Demogramment of the property of the second of the second second second of the second	deration when applicable :

more interest a contract that a state of influence

FORM U-1, (heck)

PECTION Manholes, No.	Size	Location	w-1 2 - 17 - 1-	-, -,
ENINGS: Handboles, No.	Sianin		mowable Heads	
Threaded, NoPPORTS: Skire No · ··	Siae	Location	na: • Dunakata	1 14-14
(Yee or No)	Luge (Humber)	(Humber)	Other <u>Bracketa</u> Aus	report Naju
MARKS. Containment Exchang	er er	, ,,,,,,	Item 1	
ll mide - Demineralized wat		Diver veter		
mel side of tube sheets		ACTOL HOLDS		
and the second second second second second		Carry Million L.R. US	المناور معادله ماواند ما	A CONTRACTOR OF THE PERSON NAMED IN
mel Flcs. SA-105-2 5 5/	76" +6			
	<u></u>		·	
(Brief description of purpose of the vi	essel, so Air Tanh, After C	soler, Jacksted Conter, v	ie. State contents of each part	.)
certify that the statements made in this			, material, construction, an	d workmanni
vessel conform to the ASME Code for L	Jalised Pressure Vessels.	•		41 - 4
AUG 2 3 1967 19 sie	med Berlin Charma	un.		
	,	(lwor)		
rtificate of Authorization Expires De	cember 31, 1970			
				•
			 	
, ,	ERTIFICATE OF SH	OP INSPECTION	pe ***	
VESSEL MADE BY Berlin Chapms	an	at Berlin.	Wisconsin	ント
I, the undersigned, helding a valid co				12-4/24
the State of N.B.				
Hartford, Conn.			sel described in this manufac	
data report onAUG 2 3 1967	ماه اسم م	to that to the best of on	basedodes and ballet, the ma	/ ·
twee has constructed this pressure vest	sel to occurrence with the	applicable sections of the	e ASME Boiler and Pressure	Vessel
Code.				•
Ty signing this certificate seather the pressure vessel described in this magnifi-	ie inspector nor his employ lacturer's data resort. Parih	er water any warracty, o	reproceed or implied, concerni	ag the
18 CET MAGRET (OF MAY DEVACED LINES !				
				1
AUG 2 3 1967	=35			
Date AUG 2 3 1967	2			• •
14. 4. 5m	Commission	N.B. 149		
Date AUG 2 3 1967	Commission	N.B. 149	and or State and No.	
14. 4. 5m	Commission	N.B. 1+97	and or State and No.	
14. 4. 5m	Commission	N.B. 149,	and or State and No.	
Impectors Segnature	Commissio	N.B. 149	and or State and No.	
Impectors Signature	CATE OF FIELD A	Next Be	`, `	24
Imperiors Segnature CERTIFI	CATE OF FIELD AS	SSEMBLY INSPECT	ION	
CERTIFI	maission issued by the Nu	SSEMBLY INSPECT	ION	
CERTIFI	maission issued by the Mu and employed by	SSEMBLY INSPECT	ION 4 Presoure Vessel Inspectors	m4/or of
CERTIFI I, the undersigned, holding a valid continue of	and employed by have c	SSEMBLY INSPECT	ION	m4/or of
CERTIFI I, the undersigned, holding a valid continue of the State of the certificate of above the circled in the certificate of above the circle in the certificate of above the certif	and employed by have contest that parts referred to at large-cities have been last	SSEMBLY INSPECT tional Board of Boiler an ompored the statements of data items	ION d Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and	and/or of report
CERTIFI I, the undersigned, holding a valid continue of	and employed by have contest that parts referred to at large-cities have been last	SSEMBLY INSPECT tional Board of Boiler an ompored the statements of data items	ION d Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and	and/or of report
CERTIFI I, the undersigned, holding a valid continue of the State of the certificate of above the circled in the certificate of above the circle in the certificate of above the certif	and employed by	SSEMBLY INSPECT tional Board of Boiler an ompored the statements of data items sected by me and that to	ION f Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and he applicable sections of the	and/or of report
CERTIFI I, the undersigned, holding a valid cuthe State of with the described pressure vessel and at set included in the certificate of shop the manufacturer has constructed and at Boiler and Pressure Vessel Code. The de	amission issued by the Mu and employed by have co tote that parts referred to at inspection have been last assembled this pressure ver exercised vessel was inspect	SSEMBLY INSPECT tional Board of Boiler an compared the statements deta items sected by me and that to seel in accordance with	ION d Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and he applicable sections of the restatic test of	and/or of report bellef 25 ASSE
Inspectors degreerere CERTIFI I, the undersigned, holding a valid continue of the State of the State of the certificate of shop the manufacturer has constructed and at Botter and Pressure Vessel (ode. The desire of the desir	and employed by have countries have countries have been last assembled this pressure ver excribed vessel was inspect to impective and inspect to an inspect of inspector are his employed that are the countries of the countries o	SSEMBLY INSPECT tional Board of Boiler as ompored the statements of data items sected by me and that to seel in accordance with to red and subjected to a byd er makes any warranty,	ICN f Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and he applicable sections of the responsed or implied, concerni	and/or of report bellef: 37 ASSEE pol. ling the
CERTIFI I, the undersigned, holding a valid cuthe State of with the described pressure vessel and at set included in the certificate of shop the manufacturer has constructed and at Boiler and Pressure Vessel Code. The de	maission issued by the Mander content of the parts referred to at laspection have been last assembled this pressure ver excribed vessel was inspect to inspect or a long property damage and long proper	SSEMBLY INSPECT tional Board of Boiler as ompored the statements of data items sected by me and that to seel in accordance with to red and subjected to a byd er makes any warranty,	ICN f Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and he applicable sections of the responsed or implied, concerni	and/or of report bellef: 37 ASSEE pol. ling the
Inspectors degreerere CERTIFI I, the undersigned, holding a valid continue of the State of the State of the certificate of about the manufacturer has constructed and as Botter and Pressure Vessel (ode. The despetation of the certificate neither the pressure vessel described in this paper in any manufacturer for any personal lajary of the certificate and pressure vessel described in this paper.	and employed by have content that parts referred to at importion have been last assembled this pressure ver excribed vessel was inspect to import and inspect to import and import octurer's data report. Further property damage or a love	SSEMBLY INSPECT tional Board of Boiler an ompored the statements of data items sected by me and that to seel in accordance with it and and subjected to a byd eer makes any warranty, ernord, agither the impersors of any kind arising for	ICN f Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and he applicable sections of the responsed or implied, concerni	and/or of report bellef: 37 ASSEE pol. ling the
Inspectors degreerere CERTIFI I, the undersigned, holding a valid continue of the State of the State of the certificate of shop the manufacturer has constructed and at Botter and Pressure Vessel (ode. The desire of the desir	maission issued by the Mander of the parts referred to at laspection have been last assembled this pressure ver excribed vessel was inspect to improve the inspector are his employ acturar's data report. Further property damage or a local control of the parts of th	SSEMBLY INSPECT tional Board of Boiler an ompored the statements of data items sected by me and that to test in accordance with to test and subjected to a byd er makes any warranty, ermore, arither the impersor of my kind arising for	ICN f Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and he applicable sections of the responsed or implied, concerni	and/or of report bellef: 37 ASSEE pol. ling the
Inspectors degreerere CERTIFI I, the undersigned, holding a valid continue of the State of the State of the certificate of about the manufacturer has constructed and as Botter and Pressure Vessel (ode. The despetation of the certificate neither the pressure vessel described in this paper in any manufacturer for any personal lajary of the certificate and pressure vessel described in this paper.	and employed by have content that parts referred to at importion have been last assembled this pressure ver excribed vessel was inspect to import and inspect to import and import octurer's data report. Further property damage or a love	SSEMBLY INSPECT tional Board of Boiler an ompored the statements of data items sected by me and that to seel in accordance with it and and subjected to a byd eer makes any warranty, ernord, agither the impersors of any kind arising for	ICN f Presoure Vessel Inspectors in this manufacturer's data the best of my knowledge and he applicable sections of the responsed or implied, concerni	and/or of report bellef: 37 ASSEE pol. ling the

לאולה לצלים של שלואוים!

2020日公司的公司的公司

DAP 11-18 REVISION 07

1. Owner: ComEd Compan One First Nation	(Name) nal Plaza, Chicago IL, 6069	0 (Address)		Г	ate: <u>6-1</u>	1-97	
						Sheet: <u>1</u> Of	_1_
6500 North D	iclear Power Station Dresden Road, Morris IL., 6	0450 (Address)				Unit: <u>2/3</u>	_
3. Work Performed By: <u>Con</u>	nEd	(Name)				(PLAN 3-97-004) ation P.O. No., Job No	. etc.
Sar	me as Above	(Address)		,	· · · · · · · · · · · · · · · · ·		
. Identification of System:	0203 Main Steam						
(b) Construction Code Edition of Section 2	ASME Section III XI used for Repair/Replacen	, 19 <u>68</u> Editionent 19 <u>89</u> Ed	on, <u>NO</u> lition,	Addenda, Code Cas NO Addenda, Code C	es <u>NONE</u> ases <u>N</u>	ONE	
. Identification of Component	ts Repaired or Replaced and	l Replacement Com	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
6" Main Steam Safety Valve	Consolidated/Dresser	BK 6266	N/A	None	N/A	Repair	No
			<u> </u>		<u> </u>		
			<u> </u>		<u> </u>		<u> </u>
	<u> </u>		<u></u>	<u> </u>		<u> </u>	<u> </u>
. Description of work: <u>Repair</u> Maintenance Department perfor ght grinding.							
. Test Conducted: Hydrosta	tic [] Pneumatic []	Nominal Operating	g Pressur	e [] Not Applicable	[X]		
	Test Pressure _	N/A psig	rest Tem	perature <u>N/A</u> °F			
. Remarks: Valve returned	to Stores as spare assembly						
We certify that the statement	te made in this report are co	Certificate			the ASME C	Sorte	
. ,	1 1						
Signed: Brenday (Owner or Or	wner's Designee)	(Title)	<u> </u>	6-12 , 19 9 (Date)			
		Certificat	e of Insp	ection			
I, the undersigned, holding a employed by The Hartford S on 0.7, 194, a of the ASME Code. By sign replacement described in this damage or a loss of any kind	Steam and Boiler Insurance and state to the best of my kining this certificate neither to report. Furthermore, neith	and Inspection Co. mowledge and belie he inspector nor his her the inspector no	of Hartfo ef, this re s employer or his emp	ord, Connecticut having pair or replacement has er makes any warranty,	inspected the been construence construence of the expressed of	e REPAIR described in ucted in accordance with r implied, concerning th	this report Section XI e repair or
Date: 6/13.9- Ins	spector:	1/ Kuh	M	Commissions:			
		, , , , , , , , , , , , , , , , , , , 	J	_	(State or Pro	ovince, National Board)	- · ·

I. Owner: ComEd Company One First Nationa	(Name)	90 (Address)			Date: <u>6-5</u>	-97	
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: <u>1</u> Of Unit: 3	
3. Work Performed By: Becht		(Name)		WR 9	60096685 (PLAN 3-97-006)	-
	e as Above	- ` ′		R	lepair Organiz	ration P.O. No., Job No	. etc.
4. Identification of System:	1600 Containment (Ton	<u>18)</u>					
5. (a) Construction Code _/ (b) Edition of Section XI	ASME Section III Used for Repair/Replace	, 19 <u>_65/77</u> Editi	ion, <u>S65/</u>	/S77 Addenda, Code (Cases NON	IE ONE	
5. Identification of Components			_	<u>72</u>			
			· 	т		 	
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Additional Plates for Torus Penetration X-303A Nozzle Reinforcement	Unknown	Heat # 350D34520	N/A	SI #814B86	N/A	Replacement	No
Additional Plates for Torus Penetration X-303B Nozzle Reinforcement	Unknown	Heat # 350D34520	N/A	SI #814B86	N/A	Replacement	No
Additional Plates for Torus Penetration X-303C Nozzle Reinforcement	Unknown	Heat # 350D34520	N/A	SI #814B86	N/A	Replacement	No
Additional Plates for Torus Penetration X-303D Nozzle Reinforcement	Unknown	Heat # 350D34520	N/A	SI #814B86	N/A	Replacement	No
Torus ladder attachment welds	Unknown	N/A	N/A	N/A	N/A	Replacement	No
			1	,			
Description of work: Added enertrations as part of Modificativere removed in order to get net. Test Conducted: Hydrostation	ion M12-3-96-006 which w strainers into the torus	installed new ECCS manway and were Nominal Operating	suction s rewelded g Pressur	trainers in response to into place after all fou	NRC Bulletin r strainers we	96-03. Existing torus la	System (ECCS dder attachment
P. Remarks: None.							
We certify that the statements Signed: Blandane (Owner or Owner)		Certificat orrect and this REP ISI COORDINAT (Title)	PLACEM	ENT Conforms to Sec 6-16 199 (Date)		ASME Code.	
 		Certifica	te of Insp	pection			
Section XI of the ASME Code repair or replacement describe property damage or a loss of a	eam and Boiler Insurance 197 and state to the leading of the leading this certificate in this report. Further any kind arising from or	and Inspection Co. best of my knowledge tate neither the inspection of the in- more, neither the in- connected with this	of Hartfoge and be ector nor spector no inspection	ord, Connecticut havin lief, this repair or repl his employer makes a or his employer shall t	g inspected the lacement has been arruntly.	ne REPLACEMENT de been constructed in acco expressed or implied, co	scribed in rdance with oncerning the
Date: 6-16-47 Insp	vector: Kurt	1. Roune	7_	Commissions: _			
		· /			(State or Pro	ovince, National Board)	! }

1. Owner: ComEd Compan	ny (Name) nai Plaza, Chicago IL, 606	i90 (Address)	Date: <u>5-28-97</u>					
2. Plant: Dresden Nu		(Name)				Sheet: <u>1</u> Of Unit: <u>3</u>		
3. Work Performed By: Sam				WR 9.	50063467 <i>(</i>	PLAN 3-97-007)	-	
	me as Above					zation P.O. No., Job No.	. etc.	
4. Identification of System:		,						
5. (a) Construction Code	USAS B31.1.0/ASME Se	— ctio <u>n VIII_</u> , 19 <u> (</u>	67_ Editi	on, <u>NO</u> Addenda	, Code Cases	NONE		
(b) Edition of Section 2	XI used for Repair/Replace	ement 19 <u>89</u> Ec	dition,	NO Addenda, Code	Cases N	ONE		
6. Identification of Componen	ts Repaired or Replaced an	id Replacement Con	nponents					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
2" Relief Valve	Dresser Industries	UNKNOWN	N/A	3-1501-17B	N/A	Replaced	No	
2" Relief Valve	Dresser Industries	TH-88701	N/A	SI #503E01	N/A	Replacement	No	
7. Description of work: Repl	laced existing "B" LPCI di	scharge relief valve	which fai	led IST surveillance wi	ith brand new	valve.		
								
8. Test Conducted: Hydrosta		· ·	_	e [X] Not Applicat	;le []			
		165 psigTo	est Tempe	erature 69 °F				
9. Remarks: Examination pe	rlormed during LPCI surv	eillance.						
<u></u>								
We certify that the statemen	ts made in this report are c	Certificate correct and this REP			tion XI of the	ASME Code.		
Signed: Brinda. (Owner or O	n J. Casey	ISI COORDINAT	OR _	5-29 , 199	<u>'フ</u>			
(Owner or O	wner's Designee)(/	(Title)		(Date)				
		Certificat	te of Insp	ection			ļ	
I, the undersigned, holding a employed by The Hartford S	Steam and Boiler Insurance	and Inspection Co.	of Hartfo	ord, Connecticut having	g inspected th	ne REPLACEMENT des	scribed in	
this report on 4-// Section XI of the ASME Co	$_{\cdot}$, 19 $\frac{9}{1}$ and state to the 1	best of my knowleds	ge and be	lief, this repair or repli	acement has b	been constructed in accor	rdance with	
repair or replacement describ property damage or a loss of	bed in this report. Further	more, neither the in	spector no	or his employer shall b				
Date: 6-11-97 In:	spector: Rant	T. Rainez		Commissions:				
_	,,				(State or Pro	ovince, National Board)		

	ional Plaza, Chicago IL, 606				Date:	Sheet: 1 Of	: <u> </u>
. Plant: Dresden N 6500 North	Nuclear Power Station Dresden Road, Morris IL.,	(Name) _60450 (Address)				Unit: 3	_
. Work Performed By: <u>Sa</u>	ame as Above	(Name)				(PLAN 3-97-008)	
	Same as Above			P	Repair Organiz	zation P.O. No., Job No	. etc.
. Identification of System:		_ ((
-		- · · · · · · · · · · · · · · · · · · ·	*** *******		C 1 Const		
	te <u>USAS B31.1.0/ASME Se</u> n XI used for Repair/Replace					NONE NONE	
Identification of Compone	ents Repaired or Replaced ar	nd Replacement Cor	nponents				
				T			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd	Other ID	Yr Blt	Repair, Replaced or	Code Stamp
			No			Replacement	Yes/I
11/4" Relief Valve	Dresser Industries	UNKNOWN	N/A	3-1501-13B	N/A	Replaced	No
		<u> </u>				 	
1/2" Relief Valve	Dresser Industries	TL-11444	N/A	SI #814A24	N/A	Replacement	No
		1	1				1
Description of work: Ret	placed existing suction relief	f valve for "B" LPC	I pump w	hich failed IST surveil	llance with br	and new valve.	
Test Conducted: Hydrost		•	•	• • • • • • • • • • • • • • • • • • • •	ble []		
			est Temp	perature 61 °F			
Remarks: Examination r	performed during LPCI surv	eillance.					
		Certificat	e of Con	apliance			
\sim \sim \sim	ents made in this report are o			_	_	; ASME Code.	
Signed: <u>13 Mind A</u> Owner or C	Owner's Designee)	ISI COORDINAT (Title)	OR _	$\frac{5-29}{\text{(Date)}}$, 19 $\frac{9}{9}$	<u>17</u>		
(0	JWING S Dealgace, U	(2,		(Date)			
		Certifica	ate of Insp	pection			
	g a valid commission issued						
	Steam and Boiler Insurance	e and Inspection Co.	. of Hartfo	ord, Connecticut havin	ng inspected th		scribed in
Section XI of the ASME C	Code. By signing this certific	icate neither the inspe	ector nor	his employer makes a	any warranty,	expressed or implied, co	oncerning
	ribed in this report. Further of any kind arising from or				be liable in an	ly manner for any person	nal injury
1 70-11	Inspector: Rut 7	Policy	*****	Commissions:	11 022 NR7	17.40kifeD	
Date:	nspector:/_/	_ cance		Commissions		ovince, National Board)	

	<u></u> -						
1. Owner: ComEd Compan One First Nation	nal Plaza, Chicago IL, 606	90 · (Address)			Date: <u>6-1</u>	1-97	
	clear Power Station	(Name)				Sheet: _1_ Of	_1_
6500 North I	Oresden Road, Morris IL.,	60450 (Address)				Unit: 3	-
3. Work Performed By: Cor	nEd	(Name)				PLAN 3-97-009)	
Sa	me as Above	(Address)		K	epair Organiz	zation P.O. No., Job No	. etc.
4. Identification of System: _	0205 Reactor Head Spra	<u>ay</u>					
5. (a) Construction Code	USAS B31.1.0 XI used for Repair/Replace		on, <u>NO</u>	Addenda, Code Ca	ases <u>NONI</u>	3	
(b) Edition of Section 2	XI used for Repair/Replace	ment 19 89 Ec	lition,	NO Addenda, Code (CasesN	IONE	
. Identification of Componen	ts Repaired or Replaced an	d Replacement Con	ponents				
Name of	Name of	Mfrs.	Nat	Other	Υг	Repair,	Code
Component	Manufacturer	Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
21/2" Dual Disc Check	Mission	Unknown	N/A	3-0205-27	N/A	Replaced	No
Valve for Reactor Head Spray							1
оргау			+			<u> </u>	
			 				
2½" Nozzle Check Valve	Anchor-Darling	EZ409-3-1	N/A	SI #815G23	1996	Replacement	No
for Reactor Head Spray	Anchor-Darinig	EZ409-3-1	IWA.	31 #613023	1770	Replacement	110
			<u> </u>				
Description of work: _Repla	and axisting dual disc abad	k valva accambly to	nddeann k	ag standing vant lanker	va problame	Naw valva ic a nozzla ol	hade valva Na
live was made in accordance							
Test Conducted: Hydrosta	itic [] Pneumatic []	Nominal Operatin	g Pressur	e [X] Not Applicat	ole []		
	Test Pressure	1050psig	Test Teny	perature <u>200</u> °F			
Remarks:Valve was exar	nined during system leakas	re test on 6/7/97, no) leakage	was identified.			
		 					 -
We certify that the statemen	ts made in this report are c	Certificate orrect and this REP			tion XI of the	: ASME Code.	
Signed: Brendan	J. Casey	ISI COORDINAT	OR.	6-11 ,199	7		
(Owner or O	wnd's Designee	(Title)		(Date)	_		'
							<u></u>
=		Certifica	te of Iusi	pection			
I, the undersigned, holding	o volid associanism immed l		•		l Inspactors a	and the State or Province	of Illinois
employed by The Hartford S	Steam and Boiler Insurance	and Inspection Co.	of Hartfe	ord, Connecticut having	g inspected th	ne REPLACEMENT de	scribed in
Section XI of the ASME Co	_, 19 <u>7</u> / and state to the bode. By signing this certific						
repair or replacement descriproperty damage or a loss o					e liable in an	y manner for any person	nal injury or
1000	spector: PVII	+ lamy		Commissions:	IL932, NB7	742NISB	
Date III	/ /	-you				ovince National Board)	i

1. Owner: ComEd Company One First Nation	y (Name) nal Plaza, Chicago IL, 606	90 (Address)		1	Date:6-4	4-97	
2. Plant: Dresden Nuc	clear Power Station Dresden Road, Morris IL.,	(Name)				Sheet: 1 Of Unit: 3	
3. Work Performed By: Same	e as Above	_ (Name)		WR 90	<u>60116198</u> (1	PLAN 3-97-010)	
Sam	ne as Above	_ (Address)		R	epair Organiz	zation P.O. No., Job No.	. etc.
4. Identification of System:	2300 HPCI						
5. (a) Construction Code _ (b) Edition of Section X	USAS B31.1.0 KI used for Repair/Replace	, 19 <u>67</u> Edition ment 19 <u>89</u> E	on, <u>NO</u> dition, _	Addenda, Code Ca NO Addenda, Code C	ises <u>NONE</u> Cases <u>N</u>	E IONE	
6. Identification of Components	s Repaired or Replaced an	id Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Bit	Repair, Replaced or Replacement	Code Stamped Yes/No
Heat Exchanger Bolting (돌"-11 Hex Nuts)	UNKNOWN	UNKNOWN	N/A	3-2303-SOC	N/A	Replaced	No
Heat Exchanger Bolting (출 "-11 Bolts)	UNKNOWN	UNKNOWN	N/A	3-2303-SOC	N/A	Replaced	No
를 "-11 Hex Nuts	UNKNOWN	NONE	N/A	SI #796C99	N/A	Replacement	No
ङ्ग "-11 Bolts	UNKNOWN	NONE	N/A	SI #768G96	N/A	Replacement	No
7. Description of work: Repla 8. Test Conducted: Hydrostat 9. Remarks: Mechanical Mai	tic [] Pneumatic [] Test Pressure	Nominal Operatin	ng Pressure	re [] Not Applicable		installation of hardened	washers.
We certify that the statement: Signed: MANAGEMENT (Owner or Oy	1.	Certificat correct and this REF ISI COORDINAT (Title)	PLACEM			: ASME Code.	
			nte of Iusp	•			
Section XI of the ASME Cocrepair or replacement describ	Steam and Boiler Insurance , 1997 and state to the to de. By signing this certific ped in this report. Further	e and Inspection Co. best of my knowled cate neither the insp more, neither the in	of Hartic lge and be bector nor aspector no	ord, Connecticut having dief, this repair or replant his employer makes are for his employer shall be	g inspected the accument has been accument has been accument to a second to be a	ne REPLACEMENT des been constructed in accor expressed or implied, co ay manner for any person 742NISB	scribed in rdance with oncerning the
						ovince, National Board)	

CATEGORY 3

DAP 11-18 REVISION 07

1. Owne	er: ComEd Company	(Name)			I	Date:5-2:	3-97		
		al Plaza, Chicago IL, 6069					Sheet: _ I _ Of	_1_	
2. Plant	: Dresden Nuc 6500 North D	clear Power Station resden Road, Morris IL., 6	(Name) <u>0450</u> (Address)		Unit:				
3. Work	Performed By: Same	e as Ahove	(Name)		WR 97	70017094-03	(PLAN 3-97-011)	1)	
	San	ne as Ahove	(Address)		Re	epair Organiz	ation P.O. No., Job No.	etc.	
4. Identi	fication of System:	0203 Main Steam	,						
5. (a) (b)	Construction Code Edition of Section X	ASME Section III I used for Repair/Replacen	_, 19 <u>68</u> Editio	n, <u>NO</u> ition,	Addenda, Code Ca NO Addenda, Code C	ses <u>NONE</u>	ONE		
6. Identi	fication of Component	s Repaired or Replaced and	Replacement Com	ponents					
	Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
6" Ma Valve	nin Steam Safety	Consolidated/Dresser	BK 6265	N/A	None	N/A	Repair	No	
 					<u> </u>	_			
 		-		ļ			ļ	 	
ľ		 	·		-				
 		 	<u> </u>		l	_			
recomme 8. Test (endations. Valve reass	Test Pressure	Nominal Operating	ly. Pressur		e [X]	naws were removed	per_valve ()E.	
9. Remai	rks: None.								
[]	: Brendan	s made in this report are co		AIR Con			ode.		
			Certificat	e of Inst	ection				
on of the replace	yed by The Hartford S 197 at ASME Code. By sign ement described in this e or a loss of any kind	valid commission issued by team and Boiler Insurance and state to the best of my king this certificate neither to report. Furthermore, neith arising from or connected pector:	and Inspection Co. nowledge and belie he inspector nor his ner the inspector no	of Hartfo f, this re employer his emp	ord, Connecticut having pair or replacement has er makes any warranty,	g inspected the sbeen constru- expressed of any manner IL932, NB7	e REPAIR described in acted in accordance with r implied, concerning th for any personal injury	this report Section XI repair or	

1. Owner: ComEd Compan	y (Name) nal Plaza, Chicago IL, 6069	0 (Address)		Ι	Date: <u>5-2</u>	3-97	<u>-</u>
2. Plant: Dresden Nu	clear Power Station	(Name)				Sheet: 1 Of	
3. Work Performed By: Sam	Dresden Road, Morris IL., 6 ne as Above ne as Above	(Name)		<u> WR 97</u> Re	70017094-04 epair Organiz	Unit: <u>2/3</u> (PLAN 3-97-012) Lation P.O. No., Job No	
4. Identification of System:		(Addicas)					
5. (a) Construction Code	ASME Section III KI used for Repair/Replacen	nent 19 <u>89</u> Ec	lition,	Addenda, Code Ca NO Addenda, Code C	ses <u>NONE</u> Cases <u>N</u>	ONE	
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair. Replaced or Replacement	Code Stamped Yes/No
6" Main Steam Safety Valve	Consolidated/Dresser	BK 6270	N/A	None	N/A	Repair	No
 			-		-		
	 		-		_		
recommendations. Valve reas: 8. Test Conducted: Hydrosta	laws observed during VT- sembled and returned to Sto	3/4 inspection of res as spare assemi Nominal Operation	valve in bly. g Pressur	ternals. As conservat	e [X]	nnical Maintenance Depa , flaws were removed	ntment as part per valve OE
9. Remarks: None.							
We certify that the statemen Signed: Blenday (Owner or ()	1 .	Certificat preet and this REI ISI COORDINAT (Title)	'AIR Con			Code.	
		Certifica	te of Insp	ection			
I, the undersigned, holding employed by The Hartford S on 1974, 1975 of the ASME Code. By sig replacement described in thi damage or a loss of any king	Steam and Boiler Insurance and state to the best of my k ning this certificate neither t s report. Furthermore, neith	y the National Boa and Inspection Co. nowledge and beli he inspector nor hi her the inspector n	ord of Boi of Hartfo ef, this re is employ or his em	ler and Pressure Vessel ord, Connecticut having pair or replacement has er makes any warranty.	g inspected the s been constr , expressed o	ne REPAIR described in ticted in accordance with or implied, concerning the	this report Section XI e repair or
Date: 9-27-97 In	spector:/httl	1 Killinitz		Commissions:	IL932, NB7 (State or Pro	742NISB ovince, National Board)	

1. Owner: ComEd Company One First Nationa	(Name) I Plaza, Chicago IL, 6069	(Address)		Date:				
2. Plant: Dresden Nucl	ear Power Station esden Road, Morris IL., 6	(Name)				Sheet: _1_ Of _ Unit: _ 3_	2	
3. Work Performed By: Becht		_(Name)				LAN 3-97-013) attion P.O. No., Job No.	etc.	
4. Identification of System:	2300 HPCI	<u> </u>						
5. (a) Construction Code L	JSAS B31.1.0 used for Repair/Replacen	. 19_67_Editio	n, <u>NO</u>	Addenda, Code Cases	NONE	116.1		
(b) Edition of Section XI6. Identification of Components				NO Addenda, Code Cas	esN4	116-1		
·								
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
Support M-1187D-121	Unknown	None	N/A	None	N/A	Replaced	No	
Support M-1187D-122	Unknown	None	N/A	None	N/A	Replaced	No	
Support M-1187D-123	Unknown	None	N/A	None	N/A	Replaced	No	
Line 3-2318-2*-LX	Unknown	None	N/A	None	N/A	Replaced	No	
¼ " A36 Plate (for Supports)	Unknown	Heat # K50262	N/A	SI #781D43	N/A	Replacement	No	
1/2" A36 Plate (for Supports)	Unknown	Heat # 65376	N/A	SI #779G69	N/A	Replacement	No	
7. Description of work: Replac to Safety-Related. System was a 8. Test Conducted: Hydrostatic	also classified to Section X		k perform	ned under E12-3-97-201.		rade of system from Non	-Safety Related	
0. 100. 00.00.00.00. 11,01.00.00.		• •		nperature Nominal °F	. ,			
9. Remarks: Piping was given	-	·						
						T-, 'T, 'T, 'E		
We certify that the statements Signed: Brendan (Owner or Ow	made in this report are co	Certificate prect and this REPI ISI COORDINATO (Title)	LACEM			ASME Code.		
								
		Certificat	e of Insp	ection				
Section XI of the ASME Code repair or replacement describe property damage or a loss of	eam and Boiler Insurance 19 dand state to the bee. By signing this certificated in this report. Furthern	and Inspection Co. est of my knowledg ate neither the inspe nore, neither the ins onnected with this i	of Hartfo e and be ctor nor pector n	ord, Connecticut having in lief, this repair or replace his employer makes any to or his employer shall be l n. Commissions: II	nspected the ment has be warranty, estable in any 1932, NB77	e REPLACEMENT desc een constructed in accord expressed or implied, con y manner for any persons 742NISB	cribed in dance with cerning the	
				(S	State or Pro	vince, National Board)		



CATEGORY 3

FORM NIS-2 SUPPLEMENT DAP 11-18 OWNER'S REPORT OF REPAIR OR REPLACEMENT SUPPLEMENTAL SHEET REVISION 07

1. Owner: ComEd Company (Name) One First National Plaza, Chicago IL, 60690 (Address)	Date: 7-2-97
2. Plant: <u>Dresden Nuclear Power Station</u> (Name)	Sheet: 2 Of 2 (Address) Unit: 3
3. Work Performed By: Bechtel Construction	(Name) WR 970013877 (PLAN 3-97-013)
Same as Above	Repair Organization P.O. No., Job No. etc. (Address)
4. Identification of System: 2300 HPCI	
5. (a) Construction Code <u>USAS B31.1.0</u> , 19 67 Edition of Section XI used for Repair/Replacement 19 89	tion, NO Addenda, Code Cases NONE Edition, NO Addenda, Code Case N416-1
6. Identification of Components Repaired or Replaced and Replacement C	omponents

Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
2" Pipe Strap	Grinnell	Part Number CL144N	N/A	SI #819B04	N/A	Replacement	No
3" X 3" X ¼" A500 Grade B Tube Steel	Unknown	Heat # 862243	N/A	SI #772H10	N/A	Replacement	No
2" Schedule 80 A106 Grade B Pipe	Unknown	Heat # B45687	N/A	SI #799H20	N/A	Replacement	No
2" 90 Degree A105 Socket Weld Elbows	Unknown	Heat # 37627	N/A	SI #558A69	N/A	Replacement	No
2" 45 Degree A105 Socket Weld Elbows	Unknown	Heat # AA215	N/A	SI #500B95	N/A	Replacement	No
2" X 1" A105 Socket Weld Reducer	Unknown	Heat # 59119	N/A	SI #799D53	N/A	Replacement	No
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1. Owner: ComEd Company	1. Owner: ComEd Company (Name) Date: 5-27-97 One First National Plaza, Chicago IL, 60690 (Address)							
2. Plant: Dresden Nucl	ear Power Station esden Road, Morris IL.,	(Name)				Sheet: <u>1</u> Of Unit: <u>3</u>		
3. Work Performed By: _ComE	d/Bechtel	_ (Name)		WR 94	0096861 (1	PLAN 3-97-014)		
Same	as Above	(Address)		Re	pair Organiz	ation P.O. No., Job No.	etc.	
4. Identification of System:	1100 Standby Liquid C	<u>ontrol</u>						
5. (a) Construction Code <u>I</u> (b) Edition of Section XI	ISAS B31.1.0 used for Repair/Replace	, 19 <u>67</u> Editio	on, <u>NO</u>	Addenda, Code Cas	ses <u>NONE</u>	ONE		
6. Identification of Components				<u></u>				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No	
3-1101-15 (Standby Liquid Control Inboard Check Valve)	Crane Valve	None	N/A	3-1101-15	N/A	Repair	No	
			ļ					
			 		-		- 	
						-		
7. Description of work: Valve maintenance was completed on v. 8. Test Conducted: Hydrostation	valve internals, bonnet wa	s reinstalled and se Nominal Operatin	al welded g Pressure	again. = [X] Not Applicabl		he seal weld must be gr	ound off. Afte	
9. Remarks: Valve was inspec	_	· `	•	erature <u>73.2</u> °F urveillance.				
			-					
We certify that the statements Signed: Bundan (Owner or Ow)	made in this report are confidence of the confid	Certificate orrect and this REF ISI COORDINAT (Title)	AIR Con			ode.		
		Certifica	te of Insp	ection				
I, the undersigned, holding a employed by The Hartford Ste on 19 and of the ASME Code. By signification replacement described in this a damage or a loss of any kind and the code of the ASME Code.	am and Boiler Insurance d state to the best of my lang this certificate neither report. Furthermore, neither	and Inspection Co. knowledge and belie the inspector nor hi ther the inspector no	of Hartfo of, this rep s employed or his emp	rd, Connecticut having pair or replacement has er makes any warranty,	inspected the been construences of o	e REPAIR described in acted in accordance with r implied, concerning the	this report Section XI repair or	
Date: 9-19-9 Insp	ector: KM	1. Kung	_	Commissions:		742NISB ovince, National Board)		

	00 (Address)		Dat	te: <u>5-2</u>	8-97	
lear Power Station	(Name)				Sheet: 1 Of	_
			WD 9400	106861 <i>(</i>		
	_					etc.
	(Address)					
	-					
JSAS B31.1.0 I used for Repair/Replacer	, 19 <u>67</u> Editio nent 19 <u>89</u> Ed	n, <u>NO</u> ition,	Addenda, Code Cases NO_ Addenda, Code Cas	s <u>NONE</u> es <u>N</u>	ONE	
T		T.	 	T ,		
Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Unknown	Unknown	N/A	3-1501-1B	N/A	Replaced	No
Unknown	Unknown	N/A	None	N/A	Replaced	No
Unknown	Unknown	N/A	None	N/A	Replaced	No
Gulf Valve Company	29206-1-1	N/A	SI #814B60	N/A	Replacement	
Cardinal Industries	Unknown	N/A	SI #815H20	N/A	Replacement	No
Unknown	Unknown	N/A	SI #796D05	N/A	Replacement	No
					Check valve changed und	der station chec
			•	1.1		
_		est remp	erature F			
ormed during CCSW pur	ıp run.					
						
made in this report are co				a XI of the	ASME Code.	
1 Casus						
ner's Designeed	(Title)	<u> </u>	(Date)	•		
						الــــــــــــــــــــــــــــــــــــ
	Certificat	e of Inst	ection			
eam and Boiler Insurance 19 7 2 and state to the be. By signing this certification	by the National Boar and Inspection Co. lest of my knowledge ate neither the inspe	d of Boil of Hartfo e and be etor nor	ler and Pressure Vessel In ord, Connecticut having in lief, this repair or replace his employer makes any	nspected the ment has twarranty,	ne REPLACEMENT des been constructed in accor expressed or implied, cor	cribed in dance with neerning the
any kind arising from or c	connected with this i	nspection	n.			· · ·
	lear Power Station esden Road, Morris IL., 6 as Above e as Above e as Above USAS B31.1.0 I used for Repair/Replacer Repaired or Replaced and Name of Manufacturer Unknown Unknown Unknown Unknown Gulf Valve Company Cardinal Industries Unknown I unknown The cardinal Industries Unknown I preumatic [] Test Pressure formed during CCSW pun Test Pressure formed during CCSW pun walid commission issued be and state to the be be. By signing this certific.	Plaza, Chicago IL, 60690 (Address)	Plaza, Chicago IL, 60690 (Address) Plaza, Chicago IL, 60690 (Name) Plaza, Chicago IL, 60450 (Name) Plaza, Chicago IL, 60450 (Address) (Address) Plaza Above (Name) Plaza Above (Address) (Address) (Address) (Address) Plaza Above (Address) (Address) (Address) (Address) (Address) (Address) (Address) Plaza Above (Address)	Plaza, Chicago IL, 60690 (Address)	Plaza, Chicago II., 60690	Plaza, Chicago IL, 60690

CATEGORY 3

DAP 11-18 REVISION 07

1. Owner: ComEd Company (Name)				Date: <u>5-7-97</u>			
One First National Plaza, Chicago IL, 60690 (Address)				Sheet: 1 Of 1			
2. Plant: <u>Dresden Nuclear Power Station</u> (Name) 6500 North Dresden Road, Morris IL., 60450 (Address)				Unit:3			
3. Work Performed By: Bechel Constructors (Name)				WR 960036553 (PLAN 3-97-018)			
_ Gai	thersberg, MD 20877	(Address)			Repair Orga	nization P.O. No., Job	No. etc.
4. Identification of System:	0201 Reactor Vessel	<u> </u>					
5. (a) Construction Code	ASME Section III	, 19 <u>65</u> E	dition, N	O Addenda, Code	Cases NO		
	-			NO Addenda, Coo	de Cases	NONE	
6. Identification of Component	s Repaired or Replaced	d and Replacement	Componen	ts			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Reactor Head-to-Flange weld (Segment "D")	Bahenek & Wilcox	610-0111-51	N-139	3-THD-FLGD	1969	Repair	Yes
Reactor Head-to-Flange weld (Segment "E")	Baheoek & Wilcox	610-0111-51	N-139	3-THD-FLGE	1969	Repair	Yes
Reactor Head-to-Flange weld (Segment "F")	Babcock & Wilcox	610-0111-51	N-139	3-THD-FLGF	1969	Repair	Yes
7. Description of work: <u>During</u> nead to flange weld. None of t 8. Test Conducted: Hydrostat	he Indications were de	ep (< .0625") and Nominal Ope	were remo	ved with minor grindi	ng. The long		
	Test Press	ure <u>N/A</u> psi	g Test T	emperature <u>N/A</u> °	F		
Remarks: <u>Indications were</u> with site procedures. The other successions.	removed with very missegments (3-THD-FLG	inor grinding and ro IA, 3-THD-FLGB a	moval was nd 3-THD-	verified with magnetic	e particle insp as part of the c	ection. A PIF was general ISI scope and we	rated in accorda
							:
We certify that the statements	s made in this report a	Certif	ficate of Co	ompliance MENT Conforms to S	Section XI of	the ASME Code	
						the right code.	
(Owner or Ow	neros Designee)	(Title)	IVATOR	5-7 . 19			
· · · · · · · · · · · · · · · · · · ·							
		Certi	ificate of L	nspection			
Section XI of the ASME Cod repair or replacement describ property damage or a loss of	team and Boiler Insura , 19 <u>7</u> and state to t le. By signing this cer ed in this report. Furt	nce and Inspection he best of my know tificate neither the thermore, neither the or connected with	Co. of Har wledge and inspector n ne inspector this inspect	rtford, Connectictu has belief, this repair or r or his employer makes nor his employer sha	ving inspected eplacement has any warrant	I the REPLACEMENT as been constructed in a y, expressed or implied	described in ecordance with concerning the
Date: $\frac{7-4-4}{2}$ Ins	pector:	11 1 Kice	w/	Commissions	: IL932, N (State or	B7742NISB Province, National Boa	rd)
			/		,		/

SHEET 1 OF 3								
2-8-71 FORM N-1A MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS REV. #2 Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only								
610-0111 As required by the Provisions of the ASME Code Rules								
I. Manufactured by Babcock & Wilcox Company Mt. Vernon, Indiana								
(Name and address of Manufacturer)								
anufactured for General Electric - APED Dresden III Morris, Illinois (Name and address of Purchaser)								
3. Type Reactor Vessel No. (610-0111-51-52) Natl. Bd. No. N-139 Year Built 1969 (Maria-on Vert.) (Maria-on Vert.) min. Corr.								
4. Shell: Materia BA302B1339 T.S.80,000 Thk.6.125" Allow 1/16" Diam. 20' 11 3/8" Length 69' 8" (Kind & Spec. No.) (Min. of range specified)								
5. Seams: Long butt welded H.T. yes X.R. ves Efficiency (If Class B)								
Lower Girch butt welded H.T. ' Yes X.R. yes No. of Courses 4 6. Heads: (a) Marcrial SA302B1339 T.S. 80,000 (b) Marcrial SA302B1339 T.S. 80,000								
Location <u>min.</u> Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure (Top, bottom, ends) Thickness Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concave)								
(a) top 4" 125 11/16"IR concave								
(b) bottom 6 1/8" & 8" 125 11/16"IR concave								
If removable, bolts used SA193-1335P4 145,000 TS min. 6" dia. 92 (Material, Spec. No., T.S., Size, Number) -(Dosorbbe or Atlant Shorth)								
Charpy impact 35 ft-lb Hydrostatic 200°F.								
operating press 1250 psi at max. temp 575 °F. at temp. of +40 °F. Combination Press 1565 psi.								
8. Safety or Relief Valve Outlets: Number None Size Location								
9. Nozzles: : Purpose (Inlet, Reinforcement How Outlet, Drain) Number Dipm. or Size Type Material Thickness Material Attached								
See Supplemental Sheet #2								
10. Inspection Manholes, No. none Size Location								
Openings: Handholes, No. none Size Location								
Threaded, No. none Size Location Supports: Skirt Yes Lugs - Legs - Other - Attached Welded to lower head								
Supports: Skirt Ves (Number) Lugs - Other - Attached Welded to lower head (Where Willow)								
12. Remarks A. Class A Reactor Vessel - Contents: water. B. Vessel clad internally with 1/8" min. SA-371 ER308L except portions of lower								
head are clad with 1/8" min. inconel SB304-ERNICR-3.								
C. See Supplemental Sheet #2 for shell flange and closure head flange material and								
Size. D. See Supplemental Sheet #3 for revisions								
D. See Supplemental Sheet #3 for revisions. (Brief description of purpose of the vessel-State Contents.) !!! Postweld Heet-Treated.								
List other internal or external pressure with coincident temperature when applicable. We certify that the statements made in this report are correct and that all details of material design, construction, and work-								
manship of this vessel conform to the ASME Code for Nuclear Vessels.								
Date February 8 19 71 Signed Babcock & Wilcox Company By (Manuacturer) Project Engineer								
Rev. #2 Certificate of Authorization Expires April 10, 1972 Troject Engineer NPGD Component Engineering								
CERTIFICATION OF DESIGN								
Design information on file at Babcock & Wilcox Company Barberton, Ohio								
Stress analysis report on file at Babcock & Wilcox Company Barberton, Ohio								
Design specifications certified by R.L. Call Prof. Eng. Ves State Cal. Reg. No. 13540								
Stress analysis report certified by J.P. Butti Prof. Eng. Ves State Ohio Reg. No. F29810								
CERTIFICATE OF SHOP INSPECTION Rabona's & Mileon Company								
VESSEL MADE BY Babcock & Wilcox Company I. the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and/or the State								
Province ofand employed by Hartford S.B.I. & I. Co. of Hartford, Connecticut								
ve inspected the pressure vessel described in this manufacturer's data report on December 16 1969, and ste that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the ASME Code								
for Nuclear Veszels. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel								
described in this manufacturer's 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 srising from or connected with this inspection. Date								
R. L. IV Commissions NB #28614 Nat'l Board, State or Fravence and No.								
MARI DOUGH, STATE OF FORTING AND 10,								

DAP 11-18 REVISION 07

1. Owner: ComEd Company One First Nationa	(Name) 1 Plaza, Chicago IL, 6069	00 (Address)		Da	te: <u>6-3</u>	-97			
2. Plant: Dresden Nucl	ear Power Station	(Name)				Sheet: 1 Of _	1		
3. Work Performed By: <u>Same</u>	as Above	(Name)				Unit:3 PLAN 3-97-020) ration P.O. No., Job No.	etc.		
	as Above	(Address)							
4. Identification of System:		-				_			
5. (a) Construction Code U (b) Edition of Section XI	JSAS B31.1.0 used for Repair/Replacer	, 19 <u>67</u> Edition ment 19 <u>89</u> Ed	on, <u>NO</u> lition,	Addenda, Code Case NO_ Addenda, Code Cas	s <u>NONE</u> ses <u>N</u>	ONE			
6. Identification of Components Repaired or Replaced and Replacement Components									
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No		
24" X 14" Field Fabricated Tee (Lines 3-1507-24"-DX and 3-1507B-14"-DX)	N/A	N/A	N/A	Weld 24-11	N/A	Repair	No		
돍" A516 Grade 70 Plate	Unknown	Heat #23724	N/A	SI #819E48	N/A	Replacement	No		
등 A516 Grade 70 Plate	Unknown	Heat #23724	N/A	SI #819F48	N/A_	Replacement	No		
		·							
7. Description of work: Reinfor plate rolled for 24" pipe and SI			r E12-3-9	7-219 in; order to suppor	rt licensing	ammendment on CCSW.	SI #819E48		
8. Test Conducted: Hydrostatic	[] Pneumatic []	Nominal Operating	y Pressure	[X] Not Applicable	[]				
	Test Pressure		est Temp	erature Ambient °F					
9. Remarks: Examination perf	ormed with torus static he	ad pressure. Press	ure taken	at 3B LPCI pump suction	n		 		
We certify that the statements Signed: Pundana (Owner or Own	made in this report are co	Certificate orrect and this REP ISI COORDINAT (Title)	AIR/REI			XI of the ASME Code.			
		 							
		Certificat	e of Insp	ection					
I, the undersigned, holding a employed by The Hartford Ste described in this report on be accordance with Section XI of implied, concerning the repair any personal injury or property. Date: 63-4 Inspection 1.00 Inspection	am and Boiler Insurance 197 and the ASME Code. By sig or replacement described	and Inspection Co. state to the best of a ming this certificate in this report. Fur	of Hartfo my know neither t thermore	ord, Connecticut having in ledge and belief, this rep- the inspector nor his empl , neither the inspector no	nspected thair or repla loyer make r his emple	ce REPAIR/REPLACEM seement has been construct s any warranty, expressed byer shall be liable in any	ENT ted in l or		
				(\$	State or Pro	ovince, National Board)			

DAP 11-18 REVISION 07

1. Owner: ComEd Compar	ny (Name) nal Plaza, Chicago IL, 606	90 (Address)			Date: <u>6-3</u>	-97	
2. Plant: Dresden Nu	uclear Power Station Dresden Road, Morris IL.,	(Name)				Sheet: 1 Of	
3. Work Performed By: Con				WR 9	50063479 (1	Unit:3 PLAN 3-97-021) ation P.O. No., Job No.	
<u>S</u> a	me as Above	_ (Address)		Α.	epan Organiz	ation F.O. No., 300 No.	eic.
4. Identification of System: _	1500 LPCI						
5. (a) Construction Code (b) Edition of Section	USAS B31.1.0ASME Sec XI used for Repair/Replace	tion VIII , 19 6' ment 19 89 E	7/65 Edit dition,]	tion, <u>NO</u> Addend NO Addenda, Code C	a, Code Case Cases <u>N</u>	one	
6. Identification of Componer	ats Repaired or Replaced an	d Replacement Cor	mponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
1½" Relief Valve	Dresser Industries	UNKNOWN	N/A	3-1501-13C	N/A	Replaced	No
		<u> </u>				<u> </u>	
1½" Relief Valve	Dresser Industries	TL-11448	N/A	SI #814A24	N/A	Replacement	No
			<u> </u>				
		<u> </u>			<u>. </u>	<u> </u>	
7. Description of work: Rep	laced existing suction relief	valve which failed	IST surve	illance with brand new	valve.		
8. Test Conducted: Hydrosta	ntic [] Pneumatic []	Nominal Operation	ng Pressure	e [X] Not Applicat	ole []		
	Test Pressure		rest Temp	erature <u>68</u> °F			
9. Remarks: <u>Examination p</u>	erformed during LPCI surv	eillance.					
We certify that the statemen	de manda in dhia accessor a car	Certificat	te of Com	pliance	daa VI afaha	ASME Code	
\mathbb{R}	A LA ALLA			<u>6-3</u> , 19 <u>9</u>		ASME Code.	V
Signed: 7) MAAN (Owner or O	worder's Designer	ISI COORDINAT (Title)	TOR _	(Date)			
<u></u>							
		Certifica	ite of Insp	ection	 		
I, the undersigned, holding employed by The Hartford this report on 6 Section XI of the ASME Corepair or replacement descriptoperty damage or a loss of the ASME Corepair of the ASME Core and the ASM	Steam and Boiler Insurance, 19 and state to the ode. By signing this certificated in this report. Further	and Inspection Co- best of my knowled cate neither the insp more, neither the in	of Hartfolge and be bector nor ispector no	ord, Connecticut having lief, this repair or repla his employer makes ar or his employer shall b	g inspected the acement has to my warranty, be liable in an	te REPLACEMENT des been constructed in accor- expressed or implied, co y manner for any person	rdance with
1 200.		1, 144,00	/			ovince, National Board)	

1. Owner: ComEd Comp One First Nat	oany (Name) tional Plaza, Chicago IL, 606	90 (Address)		D	ate: <u>5-2</u>	8-97	
2. Plant: Dresden	Nuclear Power Station h Dresden Road, Morris IL.,	(Name)				Sheet: 1 Of Unit: 3	
3. Work Performed By: _S	Same as Above	_ (Name)				PLAN 3-97-022) zation P.O. No., Job No.	
4. Identification of System:	1500 LPCI	-					
5. (a) Construction Co. (b) Edition of Section	de <u>USAS B31.1.0</u> on XI used for Repair/Replace	, 19 <u>67</u> Edition	on, <u>NO</u> lition,	Addenda, Code Cas NO Addenda, Code Ca	es <u>NONE</u>	ONE	
	nents Repaired or Replaced as						
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
1년 Relief Valve	Dresser Industries	UNKNOWN	N/A	3-1599-13D	N/A	Replaced	No
1½" Relief Valve	Dresser Industries	TL-11446	N/A	SI #814A24	1991	Replacement	No
					-		
			 		-	 	
7 Description of succles D			<u></u>	<u> </u>	<u> </u>	<u> </u>	
7. Description of work:	eplaced existing suction relief	valve which latted	151 surve	mance with brand new	vaive,		
8. Test Conducted: Hydro		•			e []		
Q Dameske: Evenination	Test Pressure performed during LPCI surv		est Temp	erature <u>68</u> °F			
9. Remarks: Examination	performed during LPC1 surv	emance.					
		Certificat	e of Com	pliance		''==-===============================	
" ~	nents made in this report are					ASME Code.	
Owner or	Owner's Designed	(Title)	<u>OR</u>	(Date)	<u>/_</u>		
		Certifica	te of Inst	ection			
employed by The Hartfor this report on 7/20 - Section XI of the ASME	Code. By signing this certifi	and Inspection Co. best of my knowledge cate neither the inspe	of Hartfo ge and he ector nor	ord, Connecticut having lief, this repair or replac his employer makes any	inspected the ement has l warranty,	ne REPLACEMENT des been constructed in accord expressed or implied, co	scribed in rdance with ncerning the
property damage or a loss	cribed in this report. Furthers of any kind arising from or	connected with this			liable in an	y manner for any person	al injury or
Date: 9-70-9	Inspector: // ////	1 found		Commissions:[L932, NB7 (State or Pro	742NISB ovince, National Board)	

	 						
1. Owner: ComEd Company	(Name) al Plaza, Chicago IL, 6069			D	ate: <u>5-2</u>	4-97	
		,				Sheet: 1_Of	_1
2. Plant: Dresden Nuc 6500 North D	elear Power Station resden Road, Morris IL., (_ (Name) 60450 _ (Address)				Unit:3	_
3. Work Performed By: _Same	as Above	_ (Name)				PLAN 3-97-025)	
Sam	ne as Above	_ (Address)		Re	pair Organiz	zation P.O. No., Job No.	etc.
4. Identification of System:	1100 Standby Liquid Co	ontrol					
5. (a) Construction Code	USAS B31.1.0/ASME Sec	tion VIII . 19 67/6	5_ Edit	ion, NO Addenda,	Code Case	sNONE	
	I used for Repair/Replacer			NO_ Addenda, Code C	asesN	ONE	
. Identification of Component	s Repaired or Replaced and	d Replacement Com	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
1 1/2" X 2" Relief Valve	Unknown	Not Recorded	N/A	3-1105B	N/A	REPLACED	No
5/8" Diameter A193 B7 Bolting	Crosby	None	N/A	3-1105B	N/A	REPLACED	No
1 1/2" X 2" Relief Valve	Crosby	Not Recorded	N/A	SI #814B60	N/A	REPLACEMENT	No
5/8" Diameter A193 B7 Bolting	Unknown	None	N/A	SI #796D73	N/A	REPLACEMENT	No
. Description of work: Replac	ced existing relief valve w	hich failed IST surve	eillance.	Existing bolting was rer	olaced in ord	lert to achieve full nut en	gagement due
ddition of hardened washers.	Relief that was removed w	vill be rebuilt and re	turned to	Stores as spare.			·- <u>·</u>
. Test Conducted: Hydrostat	ic [] Pneumatic []	Nominal Operating	g Pressur	e [X] Not Applicabl	e[]		
	Test Pressure	1040/1330 psig	Test Te	emperature <u>73/Ambient</u>	_ °F		
. Remarks: VT-2 of valve p	erfromed during Standby I	Liquid Control inject	tion test a	and during IST surveilla	nce of "B"	Standby Liquid Control p	ump.
		Certificate	e of Com	pliance			_
We certify that the statement						: ASME Code.	
Signed : Bundan (Owner or Ov	vner's Designee	ISI COORDINAT (Title)	OR _	5-24 . 1997 (Date)	<u>/</u>		!
		 _					
					====		
		Certificat	-		_		a •••• <i>t</i>
Section XI of the ASME Cod	team and Boiler Insurance . 1947 and state to the ble. By signing this certific	and Inspection Co. pest of my knowledge cate neither the inspe	of Hartfo ge and be ector nor	ord, Connecticut having lief, this repair or repla- his employer makes an	inspected the cement has by warranty,	ne REPLACEMENT des been constructed in accor expressed or implied, co	scribed in rdance with neerning the
repair or replacement describ property damage or a loss of	any kind arising from or s	connected with this i			i nable in an	ly manner for any person	iai injury or
Date: 6-27-47 Ins	pector:	T King		Commissions:	IL932, NB7	742NISB	
					(Cinta on Da	suins. Mational Doords	

1. Owner: ComEd Compan One First Nation	y (Name) nal Plaza, Chicago IL, 606	90 (Address)		D	eate: 6-1	7-97	
2. Plant: Dresden Nu	clear Power Station Dresden Road, Morris IL.,	_ (Name)				Sheet: _1_ Of	
3. Work Performed By: Con				_WR 95	0060516 (1	PLAN 3-97-027)	-
	ne as Above	<u> </u>				ation P.O. No., Job No.	etc.
4. Identification of System: _	1500 LPCI/CCSW						
5. (a) Construction Code (b) Edition of Section 3	ASME Section III XI used for Repair/Replace	, 19 <u>65</u> Edition	on, <u>NO</u> lition,	Addenda, Code Cas NO Addenda, Code Ca	es <u>NONE</u> ases <u>N</u>	ONE	
6. Identification of Componen	ts Repaired or Replaced an	d Replacement Con	ponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair. Replaced or Replacement	Code Stamped Yes/No
3B CCSW/LPCI Heat Exchanger	Berlin-Chapman	05036-3	3006	3B-1503	1967	Repair	Yes
ļ			 		<u> </u>	 	
		<u> </u>	ļ			 	
	- 	-	 -		 		
7. Description of work: Reps 3. Test Conducted: Hydrosta	tic [] Pneumatic []	Nominal Operatin	g Pressur	e [X] Not Applicabl	e []		
). Remarks: Test pressure a				nperature <u>58/68</u> °F rely. Examination perfo	rmed during	LPCI surveillance.	
We certify that the statemen Signed: <u>Sundan</u> (Owner or O	ts made in this report are c LUSUY wner's Designery		AIR Con	forms to Section XI of		Code.	
		Certifica	te of Ius	ection			
of the ASME Code. By sig replacement described in thi damage or a loss of any kine	Steam and Boiler Insurance and state to the best of my ning this certificate neither s report. Furthermore, nei	by the National Boa and Inspection Co. knowledge and beli the inspector nor hi ther the inspector no I with this inspectio	rd of Boi of Hartfo ef, this re is employ or his em	ler and Pressure Vessel ord, Connectietu having pair or replacement has er makes any warranty, ployer shall be liable in	inspected the been construction expressed of any manner	the REPAIR described in sucted in accordance with or implied, concerning the for any personal injury	this report Section XI e repair or
Date: 4 t / In	special	t de	,	Commissions.	(State or Pro	742NISB ovince, National Board)	

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS As required by the Provisions of the ASME Code Rules

I. Manufactured by Berlin Charman, Div. Perfex Corp., Berlin, Wisconsin
2. Manufactured for General Electric Company, San Jose, California
meta and (Home and address of Purchaster) reladents MATT 412 AL
(Hea to. as Vort.) (Tenh, Jackston, Heat Rack.) (Mrs. Serial) (Mate & Mate No.
hema 4-9 incl. to be completed forwards with court of contraction contractions of justiced recordings of east exchangers.
4. SHELL: Material SA-212-B T.S. FRE 7000 Nominal Corresion I Corresion I III. Length 21Ft. 4 16 (Red and how He.) (Fig. or F.S. h Spec. Min. 7.3.) If thered do.
3. SEAMS: Long Dol. Held Butt H.T. No X.R. Complete Sectioned NO Efficiency 100 % Series seems (Welded, Del., Simile, Lee, Buil) (Yes or Ho) (Spot of Complete) (Yes or Ho) was re-
G. HEADS (a) Marerial See Item 10 T.S. (b) Marerial No. of Courses T.S.
. Location Cryon Knuckle Biliptical Conical Homispherical Plat Side to Pressure (Top, hottom, ends) Thir horses Radius Radius Radius Radius Radius Diameter (Convex or Conserve
(a)
If removable, bolts usedOther fastening
(Motorial, Spec No., T.S., Sine, Number), (Describe or Attach Skeich)
7. STAYHOLTS:
8. JACKN 1 (1.08URE: (Describe as ages & weld, bar, siz, if bar, give dimensions, if balted, describe or sketch)
9. Constructed for man. Allowable working press 1 375 psi at man. temp. 281 °F. less than -20°) Press 563 psi
tome 10 and 11 and 12 and 15 are man. temp. 281 F. less than -200) F. Gentination Press _563 _pai
tems 10 and 11 to be completed for tube sections. O. TUBE MIEETS: Stationary, Material SA-212-Berry Study FBY Diam 62 3/4 Thinks 37 to August Melded
0. TUBE MIEETS: Stationary, Material SA-212-B
Floating. Material [Kied & Spec. No.] Diam. In. Thickness In. Attachment
1. TUBES: Material SB-111 O.D. 3/L In. Thickness 18 BNG or Gage Number 2512 Type Straight (Straight or U)
12. SHELL Material SA-212-B T.S. FBX 70000 Nominal 7/8 Corrosion 5 In. Diam. 5 Ft. 1 In. Length Frel 3 (Kind and Spee, No.) (Fig. or F.B. h Spor, Min., T.S.)
13. SEAMS: Long Dbl. Weld butt H.T. No X.R. Complete ectioned No Efficiency 100 % fully on re-
Girth Dol. Weld butt H.T. No X.R. Complete Sectioned No No. of courses 1 form.
14. HEADS (a) Material T.S
Lecation Thickness Radius Radius Conical Hemispherical Flat Side to Pressure (a) Top, bottom, ends
(b) Channel Top 8" 70 1/8"
(c) Floring Bot. 5 3/4"
(Melevial Sec. No. 7,5, Size, Number)
40 3 alon of 700 pg 70000
(Describe or Altach Strick)
15. Constructed for max. Min. temp. (when Previous or Test psi at max. temp. 281 of less than -20 of
items below to be completed for all vessels where applicable. Then there are the restaurant material arterial are the completed for all vessels where applicable. Then the restaurant materials are the second of the complete
6. SAFETY VALVE OUTLETS: Number Size Size Size Size Scation 17. NOZZLES Size Size Size Size Size Size Size Siz
Inlet-Outlet 2 24-x18-Con, Red. Weld End SA-106-B words 500- w SA-212-B was Welded
Inlet-Outlet 2 / 16" Weld End SA-106-B 500" SA-212-B "Welded
Vent31"Socket Weld SA-181-16000#CouplingWeldedDrain22"Socket Weld SA-181-16000#CouplingWelded
(pa) (s) (10)
The pure for residue with the same and the same as estimated as estimated and considered for the same and the same as the same

Some S

FORM U-1, (heck)

SPEC 1101	N Manholes, No		_ Size	Louaties		·
PENINGS	Handholes, No.		Size	Location Rem	owable Heads	2 18 V
	Threaded, No.		Size	Location		
PPORTS	Skirt No · · ·	Luga	(Number)	LegsO	Brackets	_ Asserbed Mald t
	Comtadament Buch		• •	101.4.	Item 1	Sh
	Containment Excl					
	- Demineralized			uver water		
	de of tube sheets	Monel U	verlay	A. R. og og QK og og god	de Colon de Colons de	The divined is employed as a second
				THE ST STATE OF THE STATE OF TH	- 08(4.0120.110	
nnel Fl	cs. SA-105-2	5 5/16" tk.				
						
	riof description of purpose of	the venet. on A	r Tanh. After Can	ler. Inchated Caster are		h part.)
			•		•	
	that the statements made it			t all details of design,	material, construction	on, and werkmanship
	0.4067			•	1110	
AUG 4	2 3 1967 19	_ Signed <u>Ber</u>	lin Charman	В	, Alelli	June
			(James 42)	 ;)
enificate	of Authorization Expires.	December	31, 1970			<u> </u>
						•
	· .	CERTIFIC	ATE OF SHO	P INSPECTION	•	
VESSI	EL MADE BY Berlin Ch	apman		at Berlin. W	isconsin	<u>`</u>
	he undersigned, holding a vi					clore mal/e
	ete of N.B.					
	rtford, Conn.					
			hama laas	rected the american	-1 A	
		1067		pected the pressure vess		
deta r	eport on AUG 23	1967	19 and state	that to the best of my !	appledes and belief.	the manufact.
deta r turer l Code.	eport on AUG 23	re vessel in accor	19, and state dance with the a	that to the best of my lipplicable sections of the	ASME Boiler and Pre-	the manufac- saure Vessel
deta r turer l Code.	eport on AIG 23 has constructed this pressur	ther the inspector	19, and state where with the a	that to the best of my lipplicable sections of the	ASME Boiler and Pre	the manufac-
deta returer la Code By	eport on AIIC 2 3 has constructed this pressure signing this certificate noise vessel described in this	ther the inspector manufacturer's de	19, and state dence with the a aor his employer to report. Parther	that to the best of my in pplicable sections of the pplicable sections of the property, expression, self-sections, self-sections.	taouledge and belief, ASME Boiler and Prespective and experience or implied, come are his employer at	the manufac- surre Vessel pacerning the sell be liable
dota r turer i Code. By pressu in any	eport onAIIC 2 3 has constructed this pressure arguing this certificate neiture vessel described in this y manuer for any personal i	ther the inspector manufacturer's de	19, and state dence with the a aor his employer to report. Parther	that to the best of my in pplicable sections of the pplicable sections of the property, expression, self-sections, self-sections.	taouledge and belief, ASME Boiler and Prespective and experience or implied, come are his employer at	the manufac- surre Vessel pacerning the sell be liable
deta returer la Code By	eport on AIIC 2 3 has constructed this pressure signing this certificate noise vessel described in this	ther the inspector manufacturer's de	19, and state dence with the a aor his employer to report. Parther	that to the best of my in pplicable sections of the pplicable sections of the property, expression, self-sections, self-sections.	taouledge and belief, ASME Boiler and Prespective and experience or implied, come are his employer at	the manufac- surre Vessel occurning the sell be liable
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dota r turer i Code. By pressu in any	eport onAIIC 2 3 has constructed this pressure arguing this certificate neiture vessel described in this y manuer for any personal i	ther the inspector manufacturer's de	19, and state dence with the a aor his employer to report. Parther	that to the best of my in pplicable sections of the pplicable sections of the property, expression, self-sections, self-sections.	taouledge and belief, ASME Boiler and Prespective and experience or implied, come are his employer at	the manufac- surre Vessel occurning the sell be liable
dota r turer i Code. By pressu in any	eport onAIIC 2 3 has constructed this pressure arguing this certificate neiture vessel described in this y manuer for any personal i	ther the inspector manufacturer's de	19, and state dence with the a aor his employer to report. Parther	that to the best of my lippicable sections of the makes any warrasty, er more, neither the inspect a of any kind arising from	taouledge and belief, ASME Boiler and Prespective and experience or implied, come are his employer at	the manufac- surre Vessel occurning the sell be liable
dota r turer i Code. By pressu in any	eport onAIIC 2 3 has constructed this pressure arguing this certificate neiture vessel described in this y manuer for any personal i	ther the inspector manufacturer's de	19, and state dence with the a aor his employer to report. Parther	that to the best of my lippicable sections of the makes any warrasty, er more, neither the inspect a of any kind arising from	taouledge and belief, ASME Boiler and Pre- spreased or implied, co- tor nor his employer si	the manufac- surre Vessel occurning the sell be liable
dota r turer i Code. By pressu in any	eport onAIIC 2 3 has constructed this pressure arguing this certificate neiture vessel described in this y manuer for any personal i	ther the inspector manufacturer's de	19, and state dence with the a aor his employer to report. Parther	that to the best of my lippicable sections of the makes any warrasty, er more, neither the inspect a of any kind arising from	taouledge and belief, ASME Boiler and Pre- spreased or implied, co- tor nor his employer si	the manufac- surre Vessel occurning the sell be liable
dota r turer i Code. By pressu in any	eport on AHG 2 3 has constructed this pressure signing this certificate sets we vessel described in this manner for any personal AUG 2 3 1967	ther the inspector manufacturer's da ajury or property	19, and state dence with the a aor his employer to report. Parther	that to the best of my lippicable sections of the makes any warrasty, er more, neither the inspect a of any kind arising from	taouledge and belief, ASME Boiler and Pre- spreased or implied, co- tor nor his employer si	the manufac- surre Vessel occurning the sell be liable
dota r turer i Code. By pressu in any	eport on AHC 23 has constructed this pressur argaing this certificate nois are vessel described in this y manuer for any personal i AUG 23 1967 Inspectors Signed	ther the inspector manufacturer's de ajury or property	19, and state dance with the a nor his employer its report. Parther damage er.a loss	phicable sections of the philosophe sections of the residues any warranty, et more, neither the inspect a of any kind arising from N.B. 1492.	namicage and belief, ASME Boiler and Pre pressed or implied, co for nor his employer sh a or connected with thi	the manufac- surre Vessel pacerning the sell be liable
data returer i Code. By pressu in any Date	eport on AIIG 2 3 has constructed this pressure signing this certificate seit re vessel described in this y manner for any personal AUG 2 3 1967 Inspectors Signed CEF	ther the inspector manufacturer's de ajury or property	19, and state dance with the a nor his employed to report. Parther damage or, a loss Commission	phicable sections of the makes any warrasty, et more, neither the inspects of any kind arising from N.B. 1492 N.B. 1492 Nat'l Book	thousedge and belief, ASME Boiler and Pre speciated or implied, or nor nor his employer all a or connected with this and or State and No. ON	the manufac- saire Vessel oncerning the hell be liable a leasection.
deta returer la Code. By pressu in any Date	eport on AIIG 2 3 has constructed this pressure signing this certificate neit re vessel described in this y manner for my personal if AUG 2 3 1967 Inspectors Signed CEI he undersigned, holding a vi	ther the inspector manufacturer's da ajury or property	19, and state dance with the a nor his employed in report. Parther damagn er.a loss — Commission: F FIELD ASS saued by the Nati	phicable sections of the makes any warrasty, et more, neither the inspects of any kind arising from N.B. 1492 N.B. 1492 Nat'l Book	thousedge and belief, ASME Boiler and Pre speciated or implied, or nor nor his employer all a or connected with this and or State and No. ON	the manufac- source Vessel concerning the hell be liable a feapertion.
deta returer la Code. By pressu in any Date	eport on AIIG 2 3 has constructed this pressure signing this certificate seit re vessel described in this y manner for any personal AUG 2 3 1967 Inspectors Signed CEF	ther the inspector manufacturer's de ajury or property	19, and state dance with the a nor his employed in report. Parther damagn er.a long. — Commission: F FIELD ASS issued by the National date of the Nat	that to the best of my is pplicable sections of the residues any warrasty, et more, neither the inspects of any kind arising from N.B. 1492 N.B. 1492 Not'l Bost	thousedge and belief, ASME Boiler and Pre spreased or implied, co for nor his employer si a or connected with thi and or State and No. ON Preasure Vessel Insp.	the manufac- sourcerning the sall be liable a laspection.
deta return la Code. By pressu in any Date	eport on AIIC 2 3 has constructed this pressure argain; this certificate neit are vessel described in this y manuer for any personal if AUG 2 3 1967 Inspectore figure CEI he undersigned, holding a visite of	ther the inspector manufacturer's de ajury or preperty	19, and state dence with the a nor his employed in report. Parther denega er.a long. — Commission: F FIELD ASS saued by the National dence of the N	that to the best of my is pplicable sections of the residues any warrasty, et more, neither the inspects of one kind arising from N.B. 1492. N.B. 1492. Note: Bossessessessessessessessessessessessesse	thousedge and belief, ASME Boiler and Pre spreased or implied, co for nor his employer si a or connected with thi and or State and No. ON Preasure Vessel Insp.	the manufac- sourcerning the sall be liable a laspection.
data revers i Code. By pressu in easy Date	eport onAIIG 2 3 has constructed this pressure signing this certificate seit re vessel described in this y manuar for any personal i AUG 2 3 1967 Inspectors Signed CEI he undersigned, holding a vi- site of	ther the inspector manufacturer's de ajury or property THEICATE Of all decommission is and employ	19, and state dance with the a nor his employed to report. Parther damage or a loss d	phicable sections of the phicable sections of the makes any warrasty, et more, neither the inspects of any kind arising from N.B. /+/92 Nat'l Book Nat'l B	thousedge and belief, ASME Boiler and Pre- spreased or implied, co- tor nor his employer al- a or connected with this a or connected with this and or Stone and No. ON Pressure Vessel Inspiration than manufacturer's	the manufac- source Vessel concerning the hell be liable a leaspection.
deta rever i Code. By pressu in any Date.	eport on AIIC 2 3 has constructed this pressure argain; this certificate neit are vessel described in this y manuer for any personal if AUG 2 3 1967 Inspectore figure CEI he undersigned, holding a visite of	ther the inspector manufacturer's de ajury or property RTIFICATE Of alid commission is and employ and state that party shop inspection	19, and state dance with the a nor his employer the report. Parther damage or a lost damage or a referred to as a have been inspection.	phicable sections of the residence of the statements is detailed by me and that to	AskE Boiler and belief, ASKE Boiler and Pre pressed or implied, or her nee his employer sh a or connected with thi do State and No. CN Pressure Vessel inspire this manufacturer's	the manufac- source Vessel on cerning the half be liable a haspection.
deta return le Code. By pressu in any Date	eport onAIIG 2 3 has constructed this pressure signing this certificate seit re vessel described in this re vessel described in this AUG 2 3 1967 Inspectors Signed Les undersigned, holding a vessel described pressure vessel cluded in the certificate of manifecturer has constructed	ther the inspector manufacturer's de ajury or property ATTFICATE Of alid commission is and employ and state that part shep inspection and assembled the	19, and state dance with the a nor his employed to report. Further damagn or, a loss damagn or, a	s that to the best of my is pplicable sections of the remains any warranty, er more, neither the inspects of any kind arising from N.B. / 4920 N.B. / Harri Book No.B. / Harri Book No.B	the wind belief, ASME Boiler and Pre- spreased or implied, co- tor ner his employer al- a or connected with this or of the manufacturer's the best of my knowled- e applicable sections	ectors and/or data report ge and bellef?
deta rever i Code. By pressu in easy Date	eport on AIIC 23 has constructed this pressure signing this certificate neitre vessel described in this y manuar for any personal if AUG 23 1967 Inspectors Signet CEF he undersigned, holding a visite of he described pressure vessel cluded in the certificate of mulacturer has constructed and Pressure Vessel Code.	ther the inspector manufacturer's de ajury or property RTIFICATE Of alid commission is and employ and state that part is shop inspection and assembled the The described western that the commission is the commission in the commission in the commission is and state that part is shop inspection and assembled the commission in the commis	19, and state dence with the a nor his employed to report. Parther denage er.a loss denage by the Natived by	that to the best of my is pplicable sections of the makes any warranty, et more, neither the inspect a of any kind arising from N.B. 1492 Nor'l Bose Nor'l Bose SEMBLY INSPECTIonal Board of Boiler and and sitems and that the sel in accordance with the dand subjected to a hydroday.	the best of my knowledge applicable test of	cctors and/or data report of the ASRE
l, ti the Ste Boiler Rever i Code. By pressu in eny Date in the Ste with the Ste Boiler Rev	eport onAIIG 2 3 has constructed this pressure signing this certificate seis re vessel described in this y manner for any personal i AUG 2 3 1967 Inspectors Signed CEF he undersigned, holding a vi- site of	ther the inspector manufacturer's de ajury or preperty de ajury de	19, and state dance with the a nor his employed in report. Parther damage er.a long. Commission: Commission: F FIELD ASS inned-by the National Party Courts referred to as a have been inspection pressure years and was inspected.	SEMBLY INSPECTIonal Board of Building Board of Boiler and base of the statements is date items.	thousedge and belief, ASME Boiler and Pre spreased or implied, co for nor his employer at a or connected with thi d or State and No. CN Pressure Vessel inspirate this manufacturer's the best of my knowledge applicable sections potatic test of pressed or implied, c	ectors and/or data report ge and bellef by of the ASHE
data rever i Code. By pressure and any Date	eport onAIIG 2 3 has constructed this pressure signing this certificate seit re vessel described in this y manuer for any personal AUG 2 3 1967 Inspectors Signed he undersigned, holding a veste of	TIFICATE Of all described the same and an annual acturer's described were as a same and an annual and assembled the the inspector annual acturer's described were annual acturery described were acturery descri	19, and state dance with the a nor his employed to report. Parther damagn ar.a long. Commission: Commission: FFIELD ASS saued by the National to the N	SEMBLY INSPECTIonal Board of Boiler and data items and that the inspect of any bind arrising from N.B. / 4920 No.E. No.E	the best of my knowled se applied the best of my knowled sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer sections sections so that manufacturer sections s	ectors and/or data report ge and belief: of the ASHE psi. oncoming the stappedion.
data rever i Code. By pressure and any Date	eport onAIIG 2 3 has constructed this pressure signing this certificate seis re vessel described in this y manner for any personal i AUG 2 3 1967 Inspectors Signed CEF he undersigned, holding a vi- site of	TIFICATE Of all described the same and an annual acturer's described were as a same and an annual and assembled the the inspector annual acturer's described were annual acturery described were acturery descri	19, and state dance with the a nor his employed to report. Parther damagn ar.a long. Commission: Commission: FFIELD ASS saued by the National to the N	SEMBLY INSPECTIonal Board of Boiler and data items and that the inspect of any bind arrising from N.B. / 4920 No.E. No.E	the best of my knowled se applied the best of my knowled sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer sections sections so that manufacturer sections s	ectors and/or data report of the ASRE poicering the data report of the ASRE
data rever i Code. By pressure and any Date	eport onAIIG 2 3 has constructed this pressure signing this certificate soir tre vessel described in this y manuar for any personal i AUG 2 3 1967 Inspectors Signed in the certificate of the significate of the certificate and pressure vessel described in this y manuary for any personal is	TIFICATE Of all described the same and an annual acturer's described were as a same and an annual and assembled the the inspector annual acturer's described were annual acturery described were acturery descri	and state dance with the a nor his employer to report. Parther damagn br.a loss commission. Commission Commission Commission FFIELD ASS sauce by the Natired by have contained to as a have been inspected to as a loss pressure vessure was sail was inspected as report. Further damage or a loss	SEMBLY INSPECTIonal Board of Boiler and data items and that the inspect of any bind arrising from N.B. / 4920 No.E. No.E	the best of my knowled se applied the best of my knowled sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer sections sections so that manufacturer sections s	ectors and/or data report of the ASRE paid outcoming the data report of the ASRE
deta rever i Code. By pressuria any Date	eport onAIIG 2 3 has constructed this pressure signing this certificate soir tre vessel described in this y manuar for any personal i AUG 2 3 1967 Inspectors Signed in the certificate of the significate of the certificate and pressure vessel described in this y manuary for any personal is	ther the inspector manufacturer's de ajury or property ATTFICATE Of alid commission is and employ and assembled the The described were approperty or property	and state dance with the a nor his employer to report. Parther damagn br.a loss commission. Commission Commission Commission FFIELD ASS sauce by the Natired by have contained to as a have been inspected to as a loss pressure vessure was sail was inspected as report. Further damage or a loss	s that to the best of my is pplicable sections of the remains any warranty, er more, neither the inspects of any kind arising from N.B. N.B. Har'l Book Nat'l Book N	the best of my knowled se applied the best of my knowled sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer sections sections so that manufacturer sections s	ectors and/or data report of the ASRE paid outcoming the data report of the ASRE
deta rever i Code. By pressuria any Date	eport onAIIG 2 3 has constructed this pressure signing this certificate soir tre vessel described in this y manuar for any personal i AUG 2 3 1967 Inspectors Signed in the certificate of the significate of the certificate and pressure vessel described in this y manuary for any personal is	ther the inspector manufacturer's de ajury or property	and state dance with the a nor his employer to report. Parther damagn br.a loss commission. Commission Commission Commission FFIELD ASS sauce by the Natired by have contained to as a have been inspected to as a loss pressure vessure was sail was inspected as report. Further damage or a loss	s that to the best of my is pplicable sections of the remains any warranty, or more, neither the inspects of any kind arising from N.B. N.B. /-/ Section of any kind arising from N.B. /-/ Section of any kind arising from N.B. /-/ Section of any kind arising from the statements is data items (cied by me and that to del in accordance with the dand subjected to a hydronore, agither the inspects of any kind arising from the statements of any kind arising from the statements of any kind arising from the statement of	the best of my knowled se applied the best of my knowled sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer's sections so that manufacturer sections sections so that manufacturer sections s	ectors and/or data report of the ASRE paid outcoming the data report of the ASRE

1. Owner: ComEd Compan		00 2411			Date:	8-97	
2. Plant: Dresden Nu	nal Plaza, Chicago IL, 606	(Name)				Sheet: 1 Of	
6500 North I	Oresden Road, Morris IL.,	60450 (Address)				Unit: 3	-
3. Work Performed By: Bec	htel Constructors	_ (Name)				PLAN 3-97-029) ration P.O. No., Job No	. etc.
Sa	me as Above	_ (Address)		-	orpan organ		,
4. Identification of System: _	1300 Isolation Condense	s <u>r ·</u>					
5. (a) Construction Code	AISC XI used for Repair/Replace	19 <u>6th</u> Editio	on, <u>NO</u>	Addenda, Code Ca	ases <u>NONE</u>	<u>. </u>	
(b) Edition of Section 2	XI used for Repair/Replace	ment 19 <u>89</u> E	dition,	NO Addenda, Code	Cases N	ONE	
6. Identification of Componen	ts Repaired or Replaced an	d Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Flued Head Anchor at Penetration X-108A	Unknown	N/A	N/A	X-108A	N/A	Repair	No
1/4" A36 Plate	Unknown	Heat A1653	N/A	SI #779B98	N/A	Replacement	No
¾ " A36 Plate	Unknown	Heat N997	N/A	SI #770D00	N/A	Replacement	No
	<u> </u>						
<u> </u>		 	1				
7. Description of work: Rein 8. Test Conducted: Hydrosts 9. Remarks: None.	atic [] Pneumatic []	Nominal Operation	g Pressur			rcement plates per E12-3	3-97-221.
y, Remarks. None.					 -		
We certify that the statemen Signed: Bunda (Owner or O	1	Certificat orrect and this REI ISI COORDINAT (Title)	PAIR/RE			a XI of the ASME Code.	
							
I, the undersigned, holding employed by The Hartford described in this report on accordance with Section XI implied, concerning the repart any personal injury or proper Date:	Steam and Boiler Insurance 5:34, 194, and of the ASME Code. By significant or replacement described	and Inspection Co. state to the best of gning this certificate in this report. Fu	ord of Boi of Hartfo my know e neither or orthermore	ler and Pressure Vesse ord, Connecticut havin fledge and belief, this in the inspector nor his endanced to the inspector nor his endanced to the inspector	g inspected the repair or replant or replant or make nor his emplor.	ne REPAIR/REPLACE! scement has been constructed any warranty, express oyer shall be liable in an	MENT ucted in ed or
		,				ovince, National Board)	

1. Owner: ComEd Compa		22 (11)			Date:5-2	2-97	
	onal Plaza, Chicago IL, 606					Sheet: 1 Of	1
2. Plant: <u>Dresden N</u> 6500 North	uclear Power Station Dresden Road, Morris IL.,	(Name) 60450 (Address)				Unit: 3	_
3. Work Performed By: San	me as Above	(Name)		<u>WR 9</u>	70052950 (1	PLAN 3-97-030)	
	ame as Above			R	epair Organiz	ation P.O. No., Job No	. etc.
4. Identification of System: _		- , ,	Anchor				
-				 Addenda, Code Case	s NONE	·	
(b) Edition of Section	AISC XI used for Repair/Replace	ment 19 89 E	dition,	NO Addenda, Code	Cases N	ONE	_
6. Identification of Compone	nts Repaired or Replaced an	d Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Penetration X-107B	Unknown	None	N/A	X-107B	N/A	Repair	NO
			1				1
			1		_	 	
 		 	†	 		† — — · · · · · · · · · · · · · · · · ·	
		 	 				
		 	+				-
7. Description of work: <u>Cope</u> valve honnet when piping her 3. Test Conducted: Hydrost	ated up. By coping section tatic [] Pneumatic [] Test Pressure	of stiffener, future i Nominal Operatin N/A psig	interference ng Pressur Test Tem			vas contacting the 2D ma	in steam isolatio
. Remarks: VT-3/4 inspec	tion performed after horizon	ntal stiffener was co	ped.				
. ,	nts made in this report are constructed to the construction of the		PAIR Cor	forms to Section XI of		Code.	
					-		
of the ASME Code. By signeplacement described in the damage or a loss of any kin	and state to the best of my gning this certificate neither his report. Furthermore, nei and arising from or connected	by the National Boa and Inspection Co. knowledge and beli the inspector nor hi ther the inspector n d with this inspectio	of Hartfoief, this re is employ for his em on.	ler and Pressure Vesse ord, Connecticut havin spair or replacement ha er makes any warranty ployer shall be liable in	g inspected the second to see the construction, expressed on any manner	e REPAIR described in ucted in accordance with r implied, concerning the for any personal injury	this report Section XI e repair or
Date:	nspector: ///	To Killing		Commissions: _		742NISB	

1. Owner: ComEd Company	(Name)				Date:6-1	2-97	
	al Plaza, Chicago IL, 600					Sheet: 1 Of	_1_
2. Plant: <u>Dresden Nuc</u> 6500 North Dresden Nuc	lear Power Station resden Road, Morris IL.,	(Name) (Address)				Unit:3	_
3. Work Performed By: <u>Com</u>	Ed/Bechtel	(Name)		WR 9	60001532	PLAN 3-97-031)	
-	e as Above	_ , .		R	lepair Organiz	cation P.O. No., Job No.	etc.
4. Identification of System:		- ` ´					
			NO.	Add to God G	NONE		
(b) Edition of Section X	USAS B31.1.0 I used for Repair/Replac	ement 19 <u>89</u> E	on, <u>NO</u> dition,	NO Addenda, Code C	ases <u>NONE</u> Cases <u>N</u>	ONE	
6. Identification of Components	Repaired or Replaced a	nd Replacement Cor	nponents				
			 _				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Anchor-Darling Dual Disc Gate Valve Disc for 3- 1201-1 Valve	Anchor-Darling	Unknown	N/A	3-1201-1	N/A	Replaced	No
Anchor-Darling Dual Disc Gate Valve Disc for 3- 1201-1 Valve	Anchor-Darling	Unknown	N/A	SI #816A80	N/A	Replacement	No
		1					
	 	1	1				
	 	 	 				 -
7. Description of work: Replac	ed existing valve disc w		vendor all	owed tolerances with n	new disc assen	ably. Exisitng valve disc	had failed loc
3. Test Conducted: Hydrostati	c [] Pneumatic []	Nominal Operation	g Pressur	e [] Not Applicab	le [X]		
		•	-	perature <u>N/A</u> °F			
. Remarks: <u>Valve was exam</u>							
. Remarks. Varve was exam	med during system leaka	ge test on or 1191, no	- Icakage	was identified.			
We certify that the statements Signed: Brendan (Owner or Ow	// .	Certificat correct and this REI ISI COORDINAT (Title)	PLACEM	pliance ENT Conforms to Sec 6-/2, 199 (Date)		ASME Code.	
							
I, the undersigned, holding a employed by The Hartford St this report on 2 /2. Section XI of the ASME Cod repair or replacement describ property damage or a loss of Date: 6 /2 97 Inspection 1 Inspection 1 Inspection 2 Inspecti	eam and Boiler Insurance 19 and state to the e. By signing this certified in this report. Furthe any kind arising from or	by the National Bose and Inspection Co. best of my knowled cate neither the inspermore, neither the in	of Hartfoge and be ector nor ispector n	ler and Pressure Vesse ord, Connecticut havin, lief, this repair or repl his employer makes ar or his employer shall b	g inspected the accement has large warranty, be liable in an	te REPLACEMENT des been constructed in accor expressed or implied, co y manner for any persor	scribed in rdance with neerning the
Date:/ Ins	nector: / July	11 pariso	(Commissions: _		742NISB ovince, National Board)	

1. Owner: ComEd Company One First Nationa	(Name)	an (Address)		1	Date: <u>6-3</u>	3-97	
	ear Power Station	(Name)				Sheet: <u>1</u> Of	_1_
6500 North Dre	esden Road, Morris IL.,	60450 (Address)				Unit:3	-
3. Work Performed By: Bechte	el Constructors	_ (Name)				PLAN 3-97-033) zation P.O. No., Job No.	etc
Same	e as Above	_ (Address)		- -	opan o.g	ALION 1101, 100 1.1.	
4. Identification of System:	1500 LPCI	-					
5. (a) Construction Code L (b) Edition of Section XI	JSAS B31.1.0ASME Sect used for Repair/Replacer	tion III , 19 67/77 ment 19 89 E	_ Edition,	, NO/S77 Addenda, NO Addenda, Code (, Code Cases Cases N	NONE IONE	
6. Identification of Components	- •			<u> </u>			
			-	7			
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Support M-3414-11	N/A	N/A	N/A	M-3414-11	N/A	Repair	No
Shear Pins (1½" A36 round stock)	Unknown	Heat # 559712716	N/A	SI #800H41	N/A	Replacement	No
		<u> </u>	<u> </u>				
	ļ	<u> </u>	<u> </u>	ļ			
 			<u> </u>	 		ļ	
L	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>
7. Description of work: Modifie with E12-3-97-223.	ed existing support to rest	ore design margin in	13B LPC	I heat exchanger bypass	s line (3-1534	1-18"-D). Work perform	ed in accordan
8. Test Conducted: Hydrostatic	c [] Pneumatic []	Nominal Operating	g Pressur	e [] Not Applicabl	le [X]		
	Test Pressure	N/A psig	Test Tem	perature <u>N/A</u> °F			
9. Remarks: Support modified				· —			
		Certificate	e of Con	ıpliance			
We certify that the statements	made in this report are co					XI of the ASME Code.	
Signed : <u>PMAAN</u> (Owner or Own	ner's Designee)	ISI COORDINAT (Title)	OR _	(Date) 199	7		
<u></u>							
		C	£ 1	141-5-45-14, 47-47-4			
The majority of holding of	P. Ltunian tono d. f.	Certificat	-	•		t die Cres en Bensiese	5 7717 - aim
I, the undersigned, holding a semployed by The Hartford Ste	am and Boiler Insurance	and Inspection Co.	of Hartfo	ord, Connecticut having	g inspected th	he REPAIR/REPLACEN	MENT
described in this report on	the ASME Code. By sig	gning this certificate	e neither t	the inspector nor his en	nployer make		ed or
implied, concerning the repair any personal injury or property	v damage or a loss of any	v kind arising from	or connec			oyer shall be liable in an	y manner for
Date: 6-11-97 Insp	ector: Kull	1 lifara	1-7	Commissions: _	IL932, NB7	742NISB ovince, National Board)	
(·	,			(State or Pro	ovince, National Board)	

1. Owner: ComEd Company	(Name)				Date: <u>5-2</u>	2-97	
One First Nation	al Plaza, Chicago IL, 606	(Address)				Sheet: 1 Of	_1
2. Plant: <u>Dresden Nuc</u> 6500 North D	clear Power Station resden Road, Morris IL.,	(Name) 60450 (Address)				Unit: 3	
3. Work Performed By:Same	e as Above	(Name)		<u> WR 9</u>	60032654 (PLAN 3-97-035)	
Sam	ne as Above	_ (Address)		R	kepair Organia	ration P.O. No., Job No.	etc.
4. Identification of System:	6600 Diesel Generator	_					
5. (a) Construction Code	USAS B31.1.0 II used for Repair/Replace	19 <u>67</u> Editi	on, <u>NO</u>	Addenda, Code Ca	ases NONE	<u> </u>	
				NO Addenda, Code (Cases N	ONE	
6. Identification of Components	s Repaired or Replaced ar	nd Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
Bolting (J-429 Grade B5)	UNKNOWN	UNKNOWN	N/A	2/3-6699A	N/A	REPLACED	NO
Hex Nuts (A-194 Grade 2H)	UNKNOWN	UNKNOWN	N/A	2/3-6699A	N/A	REPLACED	NO
Bolting (A-193 Grade B7)	UNKNOWN	UNKNOWN	N/A	SI #500E52	N/A	REPLACEMENT	NO
Hex Nuts (A-194 Grade 2H)	UNKNOWN	Heat Code DJQ	N/A	SI #796C99	N/A	REPLACEMENT	NO
		<u> </u>					
7. Description of work: Replac Grade B7) and in order to add I						rect bolting material (Gra	de B5 instead (
8. Test Conducted: Hydrostati				e [X] Not Applicat			
				perature <u>83</u> °F	0.00 []		
9. Remarks: Pressure and ten					or surveillance)	
		<i>a</i> .:•	4.0				
We certify that the statements	s made in this report are o	Certificat correct and this REF			tion XI of the	ASME Code.	
Signed : <u>Bundan</u> (Owner or Ow	J. Casey	ISI COORDINAT	OR _	5-27 , 19 <u>9</u>	<u>'Z</u>		
(Owner or Ow	vnet's Designee)	(Title)		(Date)			
		·					
		Certifica	te of Insp	ection			
I, the undersigned, holding a employed by The Hartford St							
this report on 425 Section XI of the ASME Cod	, 19 gand state to the	best of my knowled;	ge and be	lief, this repair or repl	acement has b	een constructed in accor	rdance with
repair or replacement describ- property damage or a loss of	ed in this report. Further	more, neither the in	spector ne	or his employer shall b			
Date: <u>5-25-97</u> Ins	- //	ITT RAI	w	Commissions:	II.932 NR7	742NISB	
2 110. 7 7 6 17 mis		77 / / / / / / /			(State or Pro	ovince, National Board)	

1 Owner: ComEd Company					_		
	y (Name) nal Plaza, Chicago IL, 606	i90 (Address)			Date: <u>5-2</u>	2-97	
-	Plant: Dresden Nuclear Power Station (Name) 6500 North Dresden Road, Morris IL., 60450 (Ad					Sheet: 1 Of	
6500 North D	resden Road, Morris IL.,	60450 (Address)				Unit:3	-
3. Work Performed By: <u>Same</u>	e as Above	_ (Name)				PLAN 3-97-036) zation P.O. No., Job No.	ato
Sam	ne as Above	_ (Address)		-	chan Orbert	Mion 1.0. 110., 200 1.0.	eic.
4. Identification of System:	6600 Diesel Generator	_					
5. (a) Construction Code _ (b) Edition of Section X	USAS B31.1.0 I used for Repair/Replace	, 19 <u>67</u> Edition Ement 19 <u>89</u> E	on, <u>NO</u> dition,	Addenda, Code Ca NO_ Addenda, Code (ases <u>NONE</u> Cases <u>N</u>	ONE	<u> </u>
5. Identification of Component	s Repaired or Replaced ar	id Replacement Con	nponents				
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Bit	Repair, Replaced or Replacement	Code Stamped Yes/No
Bolting (J-429 Grade B5)	UNKNOWN	UNKNOWN	N/A	2/3-6699B	N/A	REPLACED	NO
Hex Nuts (A-194 Grade 2H)	UNKNOWN	UNKNOWN	N/A	2/3-6699В	N/A	REPLACED	NO .
Bolting (A-193 Grade B7)	UNKNOWN	UNKNOWN	N/A	SI #500E52	N/A	REPLACEMENT	NO
Hex Nuts (A-194 Grade 2H)	UNKNOWN	Heat Code DJQ	N/A	SI #796C99	N/A	REPLACEMENT	NO
	1						
. Description of work: Replace B7) and in order to add I Test Conducted: Hydrostat Remarks: Pressure and ten	longer bolting to achieve f ic [] Pneumatic [] Test Pressure	Nominal Operatin	due to the g Pressure Test Tem	e addition of hardened e [X] Not Applicate perature83 °F	washers.		de B5 instead
We certify that the statements Signed: Minday (Owner or Owner)			PLACEM	ENT Conforms to Sect		ASME Code.	
		Certifica	to of Inco	ection			

1. Owner: ComEd Companion One First Nation	y (Name)	(Name)						
2. Plant: Dresden Nuclear Power Station (Name) 6500 North Dresden Road, Morris IL., 60450 (Address) Unit: 3								
3. Work Performed By: <u>Con</u>	nEd/Bechtel	_ (Name)	WR 970057096 (PLAN 3-97-037) Repair Organization P.O. No., Job No. etc.					
4. Identification of System:	ne as Above 1400 Core Spray	- ` ′						
	AISC (I used for Repair/Replace		, NO	_ Addenda, Code Cas	es <u>NONE</u>	ONE.		
(b) Edition of Section X6. Identification of Component				NO Addenda, Code (CasesN	ONE		
			T					
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Bit	Repair, Replaced or Replacement	Code Stamped Yes/No	
Support M-3409-19	N/A	N/A	N/A	M-3409-19	N/A	Repair	No	
A36 Plate (New)	Unknown	Heat Number 2B9391	N/A	SI #779B98	N/A	Replacement	No	
		ļ <u>-</u>	<u> </u>					
	ļ		<u> </u>					
<u></u>	<u> </u>		<u> </u>	<u> </u>	<u></u>	<u> </u>	<u></u>	
7. Description of work: Modi existing tube steel and baseplate							maining sides o	
8. Test Conducted: Hydrostat	tie [] Pneumatie []	Nominal Operatin	g Pressur	e [] Not Applicab	le {X }			
	Test Pressure	N/A psig	Test Tem	perature <u>N/A</u> °F				
9. Remarks: None.		·						
								
We certify that the statement	s made in this report are c	Certificate orrect and this REP			rms to Section	XI of the ASME Code.		
Signed: Bundan (Owner or Ox	J. Casus wher's Designed	ISI COORDINAT (Title)	OR _	6-1Z . 19 9	77			
<u></u>								
	=======================================	Certificat	te of Inst	ection				
I, the undersigned, holding a employed by The Hartford S described in this report on accordance with Section XI implied, concerning the repa any personal injury or prope	steam and Boiler Insurance 1 12 19 and of the ASME Code. By si ir or replacement describe	and Inspection Co. state to the best of gning this certificate d in this report. Fur y kind arising from	of Hartfo my know neither t nthermore	ord, Connecticut having ledge and belief, this a the inspector nor his ear, neither the inspector	ig inspected the repair or repla mployer make nor his emplo	e REPAIR/REPLACEN seement has been construing s any warranty, expression	MENT acted in act or	
Date: 6 12 -9 Ins	spector: Kut	I faine	7_	Commissions: _	IL932, NB7 (State or Pro	742NISB ovince, National Board)		

DAP 11-18 REVISION 07

		1					
1. Owner: ComEd Company One First National	(Name) al Plaza, Chicago IL, 6069	0 (Address)		Ε	Date:6-1	6-97	
2. Plant: <u>Dresden Nuc</u>	lear Power Station	_ (Name)				Sheet: 1 Of	1
6500 North Dr	esden Road, Morris IL.,	0450 (Address)				Unit:3	-
3. Work Performed By: Gene	ral Electric	(Name)				PLAN 3-97-038) ration P.O. No., Job No.	etc.
Sam	e as Above	_ (Address)			F		
4. Identification of System:	0215/0300 Reactor Head	Vent/Reactor Head	1 Spray				
5. (a) Construction Code (b) Edition of Section X	USAS B31.1.0 I used for Repair/Replacer	, 19 <u>67</u> Editio	n, <u>NO</u>	Addenda, Code Cas			
6. Identification of Components	-			NO_ Addenda, Code C		ONE_	
	Repaired of Replaced and	r Kepiacement Con	ponents		· 		
Name of	Name of	Mfrs.	Nat	Other	Yr	Repair.	Code
Component	Manufacturer	Serial No.	Brd No	ID	Blt	Replaced or Replacement	Stamped Yes/No
A193 Grade B7 Bolts	Unknown	Unknown	N/A	N8 Nozzle	N/A	Replaced	No
A194 Grade 2H Hex Nuts	Unknown	Unknown	N/A	N8 Nozzle	N/A	Replaced	No
A193 Grade B7 Bolts	Unknown	Unknown	N/A	N18 Nozzle	N/A	Replaced	No
A194 Grade 2H Hex Nuts	Unknown	Unknown	N/A	N18 Nozzle	N/A	Replaced	No
A193 Grade B7 Bolts	Unknown	Unknown	N/A	SI #791H40	N/A	Replacement	No
A194 Grade 2H Hex Nuts	Unknown	Unknown	N/A	SI #796D05	N/A	Replacement	No
A193 Grade B7 Bolts	Unknown	Unknown	N/A	SI #791H40	N/A	Replacement	No
A194 Grade 2H Hex Nuts	Unknown	Unknown	N/A	SI #796D05	N/A	Replacement	No
. Description of work: Replac	ced existing flange holting	on reactor head ver	nt and re:	actor head spray flanges	with new r	naterial. Existing materi	al was identifi
s having excessive wear and so						Tatoria. Balana materi	
. Test Conducted: Hydrostati	c [] Pneumatic []	Nominal Operating	g Pressur	e [] Not Applicable	(X)		
	Test Pressure	N/A psig	Гest Tem	perature <u>N/A</u> °F			
. Remarks: Bothe flanged co	nnections were examined	during system leaks	ige test o	n 6/7/97, no leakage wa	as identified.		
		Certificate					
We certify that the statements	made in this report are co	orrect and this REP	LACEM	1 11		ASME Code.	
Signed : DMMAN (Owner or Ow	ner's Designee)	ISI COORDINAT (Title)	<u>or</u> _	(Date) 1997	_		
·				· · · · · · · · · · · · · · · · · · ·			
					=		
		Certificat	_				
I, the undersigned, holding a employed by The Hartford St	eam and Boiler Insurance	and Inspection Co.	of Hartfo	ord, Connecticut having	inspected th	e REPLACEMENT des	scribed in
this report on 6-//		ate neither the inspe	ctor nor	his employer makes any	y warranty,	expressed or implied, co	ncerning the
repair or replacement describe property damage or a loss of					liable in an	y manner for any person	al injury or
(n, a)	pector: VIAA	11	iùi	Commissions:	IL932. NB7	742NISB	
	- PIVO					ovince, National Board)	

1 2 1 41 -

1. Owner: ComEd Company One First Nation		Date: <u>5-23-97</u>					
2. Plant: Dresden Nuc 6500 North D		Sheet: 1 Of 1 Unit: 3					
3. Work Performed By: _Same	WR 950065053 (PLAN 3-97-039)						
San	ne as Above	(Address)		Re	epair Organiz	ation P.O. No., Job No.	. etc.
4. Identification of System:	1100 Standby Liquid C	ontrol					
5. (a) Construction Code (b) Edition of Section X	USAS B31.1.0 I used for Repair/Replaces	, 19 <u>67</u> Edition	on, <u>NO</u>	Addenda, Code Ca NO Addenda, Code C	ses <u>NONE</u> Cases N	ONE	
6. Identification of Components							 ,
Name of Component	Name of Manufacturer	Mfrs. Serial No.	Nat Brd No	Other ID	Yr Blt	Repair, Replaced or Replacement	Code Stamped Yes/No
3-1101-43B	Hancock	None	N/A	3-1101-43B	N/A	Repair	No
	 	<u> </u>		,			
	 		<u> </u>				
		 					
	 		 	<u> </u>		 	
	<u> </u>	<u> </u>	<u> </u>	<u></u>		<u> </u>	
7. Description of work: Ground per ComEd approved procedure		weld to allow intern	al inspect	tion. After inspection v	vas complete	d, bonnet was reinstalled	and seal welde
8. Test Conducted: Hydrostat	ic [] Pneumatic []	Nominal Operating	g Pressur	e [X] Not Applicab	le []		
	Test Pressure		Test Ten	nperature <u>73.2</u> °F			
9. Remarks: VT-2 peformed	during "B" Standby Liquid	l Contol injection to	est.				
We certify that the statements	r made in this masser on a	Certificate	e of Com	pliance	the ASME (Pode	
Signed: Signed : Signed Owner or Owner Own	A Caseer		MR COL	5-27 19 9	コー ASME C	Joue.),
(Owner or Ow	ner's Designer	(Title)	<u> </u>	(Date)	_ _		}
		Certificat	te of Insp	ection			
	team and Boiler Insurance nd state to the best of my I	and Inspection Co. knowledge and belie	of Hartfo ef, this re	ord, Connecticut having pair or replacement has	inspected the been constr	e REPAIR described in ucted in accordance with	this report
of the ASME Code. By sign replacement described in this damage or a loss of any kind	report. Furthermore, neit	her the inspector no	or his em				
Date: <u>1-24-97</u> Ins	pector:	I law	1_	Commissions:	IL932, NB7		
II .	-				(State of Pro	ovince, National Board)	