

Exelon Generation Company, LLC  
Dresden Nuclear Power Station  
6500 North Dresden Road  
Morris, IL 60450-9765

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March 7, 2005

SVPLTR #05-0008

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Dresden Nuclear Power Station, Unit 3  
Facility Operating License No. DPR-25  
NRC Docket No. 50-249

Subject: Final Third 10-Year Interval Inservice Inspection (ISI) Summary Report

References: 1) Letter from R. J. Hovey, (Exelon Generation Company, LLC) to U. S. NRC, "Inservice Inspection (ISI) Summary Report Fall 2002 Inservice Inspection Period," dated January 24, 2003.

2) Letter from L. W. Rossbach (U. S. NRC) to O. D. Kingsley (Exelon Generation Company, LLC), "Exemption from the Requirements of 10 CFR 50.55a(g)(6)(ii)(A)(2), Inservice Examination of the Reactor Pressure Vessel," dated September 28, 2001

Enclosed is the Dresden Nuclear Power Station (DNPS) Unit 3 final Inservice Inspection (ISI) Summary Report for ISI examinations and repair/replacement activities conducted since the last report, (Reference 1) for the Third 10-Year Interval. This report is submitted in accordance with the requirements of American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," 1989 Edition, Article IWA-6200, "Requirements."

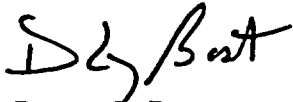
The Unit's third 10-Year ISI Interval began on March 1, 1992, and was completed on October 31, 2003. All scheduled ASME Section XI examinations were completed prior to October 31, 2003, with the exception of Examination Category B-A reactor vessel shell welds. Approval to delay reactor vessel shell weld inspections was provided by the NRC in Reference 2. Examination Category B-A examinations were completed during the Unit 3 refueling outage (D3R18) which began on October 26, 2004, and was completed on December 7, 2004.

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Should you have any questions concerning this letter, please contact Mr. Pedro Salas,  
Regulatory Assurance Manager, at (815) 416 - 2800.

Respectfully,



Danny G. Bost  
Site Vice President  
Dresden Nuclear Power Station

Attachment: Inservice Inspection 90 Day Summary Report

cc: Regional Administrator – Region III  
NRC Senior Resident Inspector, Dresden Station

Exelon Generation Company (EGC, LLC)  
200 Exelon Way, Kennett Square, PA, 19348

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

October 2004 Inservice Inspection  
Unit No. 3; National Board No. N-139  
Commercial Service Date: 11-16-71

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Exelon Generation Company (EGC, LLC)  
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## **Section I Introduction**

The eighteenth Inservice Inspection (ISI) of Dresden Unit 3 was performed during the D3R18 outage which began on October 26, 2004 and was completed on December 7, 2004. This was the final refueling outage of the unit's 3rd 10-year Inservice Inspection Interval which commenced on March 1, 1992. The third inspection period commenced on November 1st, 1999 and was completed on October 31, 2003. All of the scheduled ASME Section XI examinations were completed on-line prior to October 31, 2003 with the exception of Examination Category B-A reactor vessel shell welds. The reactor vessel shell welds were completed during the D3R18 refueling outage in accordance with a schedular exemption which extended the 3rd 10-year Inservice Inspection Interval. This report summarizes the reactor vessel weld examinations completed during D3R18 and on line examinations which were completed since the previous Unit 3 Summary Report (dated January 24, 2003).

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

All examinations were performed in accordance with the Dresden Station ISI Program, Dresden Station Technical Requirements Manual, and the ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition.

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



FORM NIS-1 (Back)

8. Examination Dates: 01/07/2003 to 12/07/2004

9. Inspection Period Identification : 3rd Period - From 11/1/1999 to 10/31/2003

10. Inspection Interval Identification : 3rd Interval - From 3/1/1992 to 10/31/2003\*
\*Category B-A examinations were completed after the stated date in accordance with a scheduler exemption.

11. Applicable Edition of Section XI 1989 Addenda N/A

12. Date/Revision of Inspection Plan: 04/01/2003 Revision 8

13. Abstract of Examination and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Attached Sections II and III.

14. Abstract of Results of Examinations and Tests. See Attached Sections II and III.

15. Abstract of Corrective Measures. See Attached Sections II and III.

We certify that a) the statement made in this report are correct, b) the examinations and tests meet Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Date 2-21-2005 Signed Exelon Nuclear Dresden Nuclear Power Station.
By [Signature] Dresden Station ISI Coordinator
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the under signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois And employed by Hartford Steam Boiler of CT Have inspected the components described in the Owner's Report during the period 01/07/2003 To 12/07/2004, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions NB7742NISB, IL932
Inspector's Signature National Board, State, Province, and Endorsements
Date 2-23-05 20 05

## Section II Scope of Inspection

### Abstract of ISI and Augmented Examinations

#### ISI and Augmented Examinations

Table A contains a list of components examined on-line prior to completion of the 3rd 10-Year Inservice Inspection Interval and Examination Category B-A examinations performed during the D3R18 refueling outage. These examinations are in accordance with the Dresden Station ISI Program, Dresden Station Technical Requirements Manual, and the ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition. Those items which were examined and meet the acceptance standards of ASME Section XI are identified as "Acceptable" under the results column. Those items that required further evaluation are identified with "Section III" in the results column and are further discussed in Section III of this report.

#### Reactor Vessel Weld (Category B-A) Examinations

The Unit 3 reactor vessel shell welds are examined as required by 10CFR50.55(a) and ASME Section XI. These welds are addressed under Examination Category B-A. Two relief requests were associated with these inspections. First, relief was requested, and subsequently granted, from requirements to examine circumferential shell welds. The technical basis for this request is established in BWRVIP-05. Second, a schedule exemption was requested, and subsequently approved, to allow performance of reactor vessel shell weld inspections over an additional refueling outage which was after the scheduled completion of the 3rd 10-Year Inservice Inspection Interval. Otherwise, the entire inspection would have been required during D3R17, the last outage in the third inspection interval. The basis of this request was to allow the station to take advantage of a new inspection technology, the AIRIS 21 system, to achieve an increased coverage without significantly impacting the outage.

## Section II Scope of Inspection

### Abstract of ISI and Augmented Examinations

#### Current Interval Status

The percentages listed in the table below represent the status of inspections for the 3<sup>rd</sup> 10-Year Inservice Inspection interval. This report documents completion of the 3<sup>rd</sup> 10-Year Inservice Inspection Interval.

Examination Category	Deferral is permissible in accordance with Table IWX-2500-1	Inspected in accordance with Inspection Program B
B-A	100%	100%
B-D	N/A	100%
B-E	100%	N/A
B-G-1	100%	N/A
B-G-2	100% <sup>1</sup>	100%
B-M-1	100%	N/A
B-M-2	100% <sup>1</sup>	N/A
B-N-1	N/A	100%
B-N-2	100%	N/A
B-O	100%	N/A
C-A	N/A	100%
C-B	N/A	100%
C-C	N/A	100%
D-B	N/A	100%
F-A	N/A	100%
R-A	N/A	100%
1. Percentage represents components subject to inspection only when disassembled for maintenance, repair, or volumetric examination.		



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

## Section II Scope of Inspection

### Abstract of ISI and Augmented Examinations

Category	Item	Augment	System	Line	Component	Type	Exam	Credit	Results
B-A	B1.12	N/A	RPV	RPV SHELL	3-SC1B-VERT	LONG	UT	XI	Acceptable
B-A	B1.12	N/A	RPV	RPV SHELL	3-SC2A-VERT	LONG	UT	XI	Acceptable
B-A	B1.12	N/A	RPV	RPV SHELL	3-SC2C-VERT	LONG	UT	XI	Acceptable
B-A	B1.12	N/A	RPV	RPV SHELL	3-SC3B-VERT	LONG	UT	XI	Acceptable
B-A	B1.12	N/A	RPV	RPV SHELL	3-SC4B-VERT	LONG	UT	XI	Acceptable
B-A	B1.51	N/A	RPV	RPV SHELL	MRA-013-1	REPAIR	UT	XI	Acceptable
B-A	B1.51	N/A	RPV	RPV SHELL	MRA-013-2	REPAIR	UT	XI	Acceptable
C-B	C2.31	N/A	ECCS	1501-20	20-10	SDL-SHL	MT	XI	Acceptable
C-B	C2.31	N/A	ECCS	1501-20	20-12	SDL-SHL	MT	XI	Acceptable
C-C	C3.10	N/A	LPCI	HTEX 3A-1503	M-1200D-1015	IWA	MT	XI BL	See Section III
C-C	C3.10	N/A	LPCI	HTEX 3B-1503	M-1200D-1019	IWA	MT	AD BL	See Section III
C-C	C3.20	N/A	CRD	0386-8	M-1188D-1046	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	CRD	0387-8	M-1188D-1054	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	CRD	0409B-20	M-1188D-1001	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	CS	1403-12	M-3409-26	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	CS	1404-12	M-3408-08	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	CS	1404-12	M-3408-10	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	ECCS	1501-24	M-3402-03	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	ECCS	1501-24	M-3402-04	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	ECCS	1501-24	M-3402-05	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	ECCS	1501-24	M-3402-06	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	ECCS	1501-24	M-3402-07	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	ECCS	1501-24	M-3402-08	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	HPCI	2304-14	M-1187D-86	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	HPCI	2306-24	M-3412-03 (1/2)	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	LPCI	1502-24	M-3404-09	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	LPCI	1504-18	M-3414-10	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	LPCI	1506-18	M-3409-10	IWA	MT	XI	Acceptable
C-C	C3.20	N/A	LPCI	1534-18	M-3414-09	IWA	MT	XI	Acceptable
C-H	C7.XX	N/A	CRD	TEST BLOCK	3RC02	N/A	VT-2	XI	Acceptable
C-H	C7.XX	N/A	SBLC	TEST BLOCK	3SC02	N/A	VT-2	XI	Acceptable
D-B	D2.1A	N/A	CCSW	1514C-8	M-1200D-260	IWA	VT-3	XI	Acceptable
D-B	D2.1A	N/A	CCSW	1514C-8	M-1200D-260	IWA	VT-3	BL	Acceptable
D-B	D2.1A	N/A	CCSW	1514D-8	M-1200D-259	IWA	VT-3	BL	Acceptable
D-B	D2.1A	N/A	DGSW	3930-8	2/3-3930-1	IWA	VT-3	XI	Acceptable
D-B	D2.1A	N/A	ISCO	3-1302	M-1199D-1022	IWA	VT-3	XI	Acceptable
D-B	D2.1A	N/A	ISCO	3-1302	M-1199D-1023	IWA	VT-3	XI	Acceptable
D-B	D2.1A	N/A	ISCO	3-1302	M-1199D-1024	IWA	VT-3	XI	Acceptable
D-B	D2.XX	N/A	DGSW	TEST BLOCK	2/3DGO1	N/A	VT-2	XI	See Section III

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

## Section II Scope of Inspection

### Abstract of ISI and Augmented Examinations

Category	Item	Augment	System	Line	Component	Type	Exam	Credit	Results
D-B	D2.XX	N/A	DGSW	TEST BLOCK	2/3DG03	N/A	VT-2	XI	Acceptable
D-B	D2.XX	N/A	DGSW	TEST BLOCK	3DG03	N/A	VT-2	XI	Acceptable
F-A	F1.10	N/A	LPCI	1519-16	X-116A-F	CL 1 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	CS	1402-16	M-3403-04	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	CS	1404-12	M-3408-06	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	ECCS	1501-20	M-3230-10	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	ECCS	1501-24	M-3402-13	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	HPCI	2304-14	M-1187D-104	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	HPCI	2306-24	M-3412-06	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	ISCO	1303-12	M-1199D-6	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	LPCI	1509-16	M-3413-31	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	LPCI	1509-18	M-3413-11	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	LPCI	1509-18	M-3413-12	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	LPCI	1519-18	M-3408-20	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	LPCI	1521-6	M-3413-08	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.20	N/A	LPCI	1530-18	M-3413-10	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	CCSW	1514C-8	M-1200D-260	CL 3 SUP	VT-3	BL	Acceptable
F-A	F1.30	N/A	CCSW	1514D-8	M-1200D-259	CL 3 SUP	VT-3	BL	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	3930-M-320	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-114	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-119	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-133	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-137	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-164	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-169	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-181	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-571	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-584	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-64	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3930-8	M-1198D-72	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3931-8	M-1198D-592	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3931-8	M-1198D-90	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3950-8	M-1162D-295	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.30	N/A	DGSW	3950-8	M-1198D-552	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.40	N/A	CCSW	PMP 3D-1501-44	3D-1501-44	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.40	N/A	DGSW	PMP 2/3-3903B	2/3-3903B	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.40	N/A	DGSW	PMP 3-3903B	3-3903B	CL 3 SUP	VT-3	XI	Acceptable
F-A	F1.40	N/A	HPCI	PMP 3-2302	3-2302	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.40	N/A	LPCI	HTEX 3B-1503	M-1200D-309	CL 2 SUP	VT-3	XI	Acceptable
F-A	F1.40	N/A	LPCI	HTEX 3B-1503	M-1200D-310	CL 2 SUP	VT-3	XI	Acceptable
R-A	R1.11	N/A	HPCI	2306-24	24-17	EL-P	UT-E	XI	Acceptable

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

## Section II Scope of Inspection

### Abstract of ISI and Augmented Examinations

Category	Item	Augment	System	Line	Component	Type	Exam	Credit	Results
R-A	R1.11	N/A	HPCI	2306-24	24-18	P-EL	UT-E	XI	Acceptable
R-A	R1.20	N/A	ECCS	1501-24	24-23	P-TEE	UT-E	XI	Acceptable
R-A	R1.20	N/A	ECCS	1501-24	24-25	TEE-P	UT-E	XI	Acceptable
R-A	R1.20	N/A	ECCS	1501-24	24-43	P-P	UT-E	XI	Acceptable
R-A	R1.20	N/A	ECCS	1501-24	24-47	P-P	UT-E	XI	Acceptable
R-A	R1.20	N/A	ECCS	1501-24	24-48	P-P	UT-E	XI	Acceptable
R-A	R1.20	N/A	ECCS	1501-24	24-52	P-P	UT-E	XI	Acceptable
R-A	R1.20	N/A	HPCI	2302-16	16-4	P-EL	UT-E	XI	Acceptable
R-A	R1.20	N/A	HPCI	2304-14	14-31	P-EL	UT-E	XI	Acceptable
R-A	R1.20	N/A	LPCI	1502-24	24-4	P-EL	UT-E	XI	Acceptable
R-A	R1.20	N/A	LPCI	1507-24	24-2	P-EL	UT-E	XI	Acceptable
R-A	R1.20	N/A	LPCI	1509-10	10-42	P-EL	UT-E	XI	Acceptable

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### **Section III**

## **Abstract of Corrective Measures**

The findings and subsequent measures taken to correct the findings demonstrate that all components examined are functional and in compliance with the Dresden Station ISI Program, Dresden Station Technical Requirements Manual, and the ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition.

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

Exelon Generation Company (EGC, LLC)  
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Dresden Nuclear Power Station  
6500 N. Dresden Road, Morris, IL 60450

### Section III Abstract of Corrective Measures

Category	Item	Augment	System	Line	Component	Type
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C-C	C3.10		LPCI	HTEX 3A-1503	M-1200D-1015	IWA
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During MT examination of 3A LPCI heat exchanger IWA M-1200D-1015, two linear indications were discovered. Condition Report 178950 was initiated to document the as-found condition. Weld repairs were performed under Work Order 420251. Welds were examined after repairs were performed and found acceptable. Since one welded attachment on the 3A LPCI heat exchanger was initially examined, the remaining similar welded attachment associated with the 3B LPCI heat exchanger was expanded to.

C-C	C3.10		LPCI	HTEX 3B-1503	M-1200D-1019	IWA
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During MT examination of 3B LPCI heat exchanger IWA M-1200D-1019, five linear indications were discovered. Condition Report 189106 was initiated to document the as-found condition. Weld repairs were performed under Work Order 420251. Welds were examined after repairs were performed and found acceptable. Since all similar welded attachments associated with the 3A and 3B LPCI heat exchangers were examined, no additional expansion was performed.

D-B	D2.XX		DGSW	TEST BLOCK	2/3DG01	N/A
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During the system pressure test, leakage was discovered at 2/3-6669B, DGCW Heat Exchanger head (bolted connection) and 2/3-3930-501, DGCW Pump Discharge Check Valve (bolted connection). Initiated Condition Report 151656 to assess the discrepancy. Corrective measures were taken in accordance with Relief Request PR-22. Leakage at 2/3-6669B was stopped and leakage at 2/3-3930-501 was evaluated. Therefore, removal of bolting and performance of a VT-3 examination was not required in accordance with the alternate provisions of Relief Request PR-22. No further action required.

## Section IV Abbreviations

### Augment

GL88-01      Generic Letter 88-01 Exam, Weld Category

### Exam

MT            Magnetic Particle  
PT            Liquid Penetrant  
RT            Radiograph  
UT            Ultrasonic  
UT-E         Ultrasonic-Risk ISI Expanded Volume  
VT-1, 2, or 3      Visual Examination

### Exam Selection

AD            Additional Examination (expansion)  
AG            Augmented Requirement  
BL            Baseline  
OTHR         Other  
SU            Successive Examination  
XI            ASME Section XI Requirement

### System

CCSW         Containment Cooling Service Water  
CRD         Control Rod Drive  
CS            Core Spray  
DGSW         Diesel Generator Service Water  
ECCS         Emergency Core Cooling System Ring Header  
FW            Feedwater  
HPCI         High Pressure Coolant Injection  
ISCO         Isolation Condenser  
LPCI         Low Pressure Coolant Injection  
MS            Main Steam  
RHS         Reactor Head Spray  
RPV         Reactor Pressure Vessel  
RR            Reactor Recirculation  
RVBD         Reactor Vessel Bottom Drain  
SBLC         Standby Liquid Control  
SDC         Shutdown Cooling

## Section IV Abbreviations

### Type

BELLOW	Bellows
BLTCONN	Bolted Connection
BPC	Branch Pipe Connection
BPCS	Branch Pipe Connection Saddle
CAP	Pipe Cap
CL	Class
COND	Condenser
CRO	Cross
EL	Elbow
ELS	Elbow Longitudinal Seam
F	Flued Head
FLG	Flange
FLGBLT	Flange Bolt
FLS	Fitting Longitudinal Seam
GASKET	Gasket
HTEX	Heat Exchanger
IWA	Integral Welded Attachment
MBARR	Moisture Barrier
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
SEAL	Seal
SHL	Shell
SNB	Snubber
SUP	Support
SURF	Containment Surface
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

Exelon Generation Company (EGC, LLC)  
200 Exelon Way, Kennett Square, PA, 19348

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

October 2004 Inservice Inspection  
Unit No. 3; National Board No. N-139  
Commercial Service Date: 11-16-71

## Section IV Abbreviations

VB	Vacuum Breaker
VLV	Valve
VLVBLT	Valve Bolting
VLVWLD	Valve Weld



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## **Section V**

### **Repairs and Replacements Since the Preceding Summary Report**

A review of the Dresden Station Section XI Repair/Replacement Program Log was conducted in order to identify ASME Section XI repair/replacement activities that have taken place at Dresden Unit 3 since the previous summary report was issued. One repair/replacement activity performed under the 1989 Edition of ASME Section XI prior to transition to the Fourth 10-Year Inservice Inspection Interval was identified (Work Order 95060570-01). A Copy of the NIS-2 form has been included in this section.

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner Exelon Generation Company (EGC, LLC) Date: 01-07-04  
Name  
200 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1  
Address

2. Plant Dresden Nuclear Power Station Unit 3  
Name  
6500 North Dresden Road, Morris IL 60450 Work Order 95060570-01 (R/R Plan 3-02-083)  
Address Repair/Replacement Organization P.O. No. Job No. etc.

3. Work Performed by Same as Above Type Code Symbol Stamp None  
Address Authorization No. Not Applicable  
 Expiration Date Not Applicable

4. Identification of System 2300, High Pressure Core Injection (HPCI), ASME Section XI, Class 2

5. (a) Applicable Construction Code USAS B31.1 1967 Edition, No Addenda, No Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity  
1989 Edition, No Addenda, None Code Case

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
EPN 2-2320-GSLO Pump, Centrifugal	Worthington	Not Recorded	N/A	None	Unknown	Removed	No
Pump, 25 GPM, 160 ft Head, Centrifugal with associated flanges and bolting	Worthington	025075-CP-03	N/A	Cat ID 1030313 UTC 2606646	Unknown	Installed	No
Pipe, 1-1/2", sch. 80, A-106 Gr. B	Unknown	Unknown	N/A	None	Unknown	Removed	No
Pipe, 1-1/2", sch. 80, A-106 Gr. B	Unknown	Heat Code A63145	N/A	Cat ID 4625 UTC 2063470	Unknown	Installed	No

7. Description of work Replaced pump and associated flanges and bolting. Piping replaced to facilitate installation.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ X ] Exempt [ ]  
 Other [ ] Pressure 50 psig Test Temp. ambient °F

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date N/A

Signed [Signature], ISI Coordinator Date 3-22-04  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE 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, and employed by The Hartford Steam and Boiler Insurance and Inspection Co. of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 03-19-2002 to 02-03-2003, and state that to the best of my knowledge and belief, the owner has performed examinations and taken corrective measures described in this Owner's report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL 932, NB7742NISB  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-22-04