

Exelon Generation Company, LLC
LaSalle County Station
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May 4, 2005

10 CFR 50.73

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

LaSalle County Station, Units 1 and 2
Facility Operating License No. NPF 18
NRC Docket No. 50-374

Subject: Licensee Event Report

In accordance with 10 CFR 50.73 (a)(2)(i)(B), (a)(2)(ii)(A), Exelon Generation Company, (EGC), LLC, is submitting Licensee Event Report Number 05-002-00, Docket No. 050-374.

Should you have any questions concerning this letter, please contact Mr. Terrence W. Simpkin, Regulatory Assurance Manager, at (815) 415-2800.

Respectfully,



Daniel Enright
Plant Manager
LaSalle County Station

Attachment: Licensee Event Report

cc: Regional Administrator - NRC Region III
NRC Senior Resident Inspector - LaSalle County Station

JE22

Estimated burden per response to comply with this mandatory collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE EVENT REPORT (LER)
(See reverse for required number of digits/characters for each block)

1. FACILITY NAME LaSalle County Station, Unit 2	2. DOCKET NUMBER 05000374	3. PAGE 1 of 3
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4. TITLE Pressure Boundary Leakage Discovered in 2D MSIV Drain Line Weld During Refueling Outage VT-2 Examination

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MO	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MO	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
03	12	2005	2005	002	00	05	04	2005	FACILITY NAME	DOCKET NUMBER

9. OPERATING MODE 4
10. POWER LEVEL 00
11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)

<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)
<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)
<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 73.71(a)(4)
<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(5)
<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> OTHER
<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	Specify in Abstract below or in NRC Form 366A
<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	
<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(vii)	
<input type="checkbox"/> 20.2203(a)(2)(vi)	<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.2203(a)(3)(i)	<input checked="" type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	

12. LICENSEE CONTACT FOR THIS LER
NAME Eric Ballou, Design Engineering TELEPHONE NUMBER (Include Area Code) (815) 415-3239

13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

14. SUPPLEMENTAL REPORT EXPECTED YES (If yes, complete EXPECTED SUBMISSION DATE) NO
15. EXPECTED SUBMISSION DATE MONTH DAY YEAR

16. ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines)

On March 12, 2005, during a scheduled refueling outage on Unit 2, a pinhole leak in a Class 1 weld on the outboard Main Steam Isolation Valve drain line (2B21-F028D) was discovered during a hydrostatic test of the reactor coolant pressure boundary. The apparent cause of the leak was a weld inclusion or defect from a Class 1 weld made in 1995.

The weld was repaired, non-destructive surface examination performed, and the hydrostatic test was re-performed successfully within acceptance criteria. The subject weld will receive another VT-2 examination during the next refueling outage on Unit 2.

LICENSEE EVENT REPORT (LER)

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17. NARRATIVE (If more space is required, use additional copies of NRC Form 366A)

PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor, 3489 Megawatts Thermal Rated Core Power

A. CONDITION PRIOR TO EVENT

Unit(s): 2 Event Date: 03/12/2005 Event Time: 1830 CST
 Reactor Mode(s): 4 Power Level(s): 00
 Mode(s) Name: Cold Shutdown

B. DESCRIPTION OF EVENT

On March 12, 2005, during a VT-2 examination of the reactor coolant pressure boundary in accordance with LaSalle County Station procedure LOP-NB-01, "Reactor Vessel System Leakage Test," pressure boundary leakage was identified upstream of a drain valve (2B21-F067D) in the Main Steam (MS) [SB] system. The leakage source was the weld joint between the body of Main Steam Isolation Valve (MSIV) (2B21-F028D) and the drain line (2MS20AD-2"). The leakage was characterized as a "steady stream" from a single pinhole location in the weld.

Pressure boundary leakage was determined to be reportable under 10 CFR 50.72(b)(3)(ii)(A) as a condition that resulted in the condition of the nuclear power plant, including its principle safety barriers, being seriously degraded. An Emergency Notification System call was made on March 12, 2005, at 2318 hours CST (Event# 41487).

The weld was repaired and was inspected successfully within acceptance criteria on March 14, 2005.

C. CAUSE OF EVENT

A review of prior work orders identified that repair work had been performed on this same weld location in 1995. The 1995 work involved replacing the drain line (2MS20AD-2") between the outboard MSIV (2B21-F028D) and the 2" x 1-1/2" reducer leading to an adjoining pipe (2MS20BD-1-1/2").

The apparent cause of the event is a weld inclusion or defect from the 1995 weld. It is believed that the pinhole flaw in the weld was due to internal porosity. The flaw likely developed directly below the surface and therefore was not initially detected using liquid dye penetrant surface examination. For Class 1 socket welds of this type, only surface examinations are required in accordance with the ASME Code and LaSalle County Station procedural requirements.

D. SAFETY ANALYSIS

The safety significance of this event was low. The pinhole leak was discovered during hydrostatic testing while Unit 2 was shutdown in Mode 4. There was no evidence of corrosion in the area, indicating that the leak was new. No leakage was found when the previous hydrostatic test was performed on Unit 2 in 2003.

The condition did not result in a safety system functional failure.

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17. NARRATIVE (If more space is required, use additional copies of NRC Form 366A)

E. CORRECTIVE ACTIONS

- The weld was repaired and inspected using liquid dye penetrant testing. The hydrostatic test was re-performed in accordance with LaSalle County Station procedure LOP-NB-01, and the VT-2 examination was successful within acceptance criteria. (Complete)
- The subject weld will receive another VT-2 examination during the next refueling outage on Unit 2 that will provide further confidence that the repair was successful. (AT# 311917-10).

F. PREVIOUS OCCURRENCES

A search of LaSalle Licensee Event Reports from the last 10 years found no similar occurrences.

G. COMPONENT FAILURE DATA

No components failed in this event.