



**Exelon Generation®**

**LaSalle Station**

2601 North 21st Road  
Marseilles, IL 61341

815 415 2000 Telephone  
www.exeloncorp.com

**10 CFR 50.73**

**RA12-053**

**October 30, 2012**

**U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555**

**LaSalle County Station, Unit 2  
Facility Operating License No. NPF-18  
NRC Docket No. 50-374**

**Subject: Licensee Event Report 2012-001-00**

**In accordance with 10 CFR 50.73(a)(2)(v)(D), Exelon Generation Company (EGC), LLC,  
is submitting Unit 2 Licensee Event Report Number 2012-001-00.**

**There are no regulatory commitments in this report. Should you have any questions  
concerning this report, please contact Mr. Stephen T. Shields, Acting Regulatory  
Assurance Manager at (815) 415-2811.**

**Respectfully,**

**Harold T. Vinyard  
Plant Manager  
LaSalle County Station**

**Enclosure: Licensee Event Report**

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

*IE22  
NRC*

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

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA/Privacy Section (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects.resource@nrc.gov](mailto:infocollects.resource@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.

**1. FACILITY NAME**

LaSalle County Station, Unit 2

**2. DOCKET NUMBER**

05000374

**3. PAGE**

1 OF 3

**4. TITLE**

2B Diesel Generator Declared Inoperable Due to Excessive Air Start Receiver Blowdown Caused by a Degraded Drain Valve

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
08	31	2012	2012	- 001 -	00	10	30	2012	N/A	N/A
9. OPERATING MODE  001			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"/> 20.2201(d) <input type="checkbox"/> 20.2203(a)(1) <input type="checkbox"/> 20.2203(a)(2)(i) <input type="checkbox"/> 20.2203(a)(2)(ii) <input type="checkbox"/> 20.2203(a)(2)(iii) <input type="checkbox"/> 20.2203(a)(2)(iv) <input type="checkbox"/> 20.2203(a)(2)(v) <input type="checkbox"/> 20.2203(a)(2)(vi)	<input type="checkbox"/> 20.2203(a)(3)(i) <input type="checkbox"/> 20.2203(a)(3)(ii) <input type="checkbox"/> 20.2203(a)(4) <input type="checkbox"/> 50.36(c)(1)(i)(A) <input type="checkbox"/> 50.36(c)(1)(ii)(A) <input type="checkbox"/> 50.36(c)(2) <input type="checkbox"/> 50.46(a)(3)(ii) <input type="checkbox"/> 50.73(a)(2)(i)(A) <input type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(i)(C) <input type="checkbox"/> 50.73(a)(2)(ii)(A) <input type="checkbox"/> 50.73(a)(2)(ii)(B) <input type="checkbox"/> 50.73(a)(2)(iii) <input type="checkbox"/> 50.73(a)(2)(iv)(A) <input type="checkbox"/> 50.73(a)(2)(v)(A) <input type="checkbox"/> 50.73(a)(2)(v)(B) <input type="checkbox"/> 50.73(a)(2)(v)(C) <input checked="" type="checkbox"/> 50.73(a)(2)(v)(D)	<input type="checkbox"/> 50.73(a)(2)(vii) <input type="checkbox"/> 50.73(a)(2)(viii)(A) <input type="checkbox"/> 50.73(a)(2)(viii)(B) <input type="checkbox"/> 50.73(a)(2)(ix)(A) <input type="checkbox"/> 50.73(a)(2)(x) <input type="checkbox"/> 73.71(a)(4) <input type="checkbox"/> 73.71(a)(5) <input type="checkbox"/> OTHER				
10. POWER LEVEL  100			Specify in Abstract below or in NRC Form 366A							

**12. LICENSEE CONTACT FOR THIS LER**

FACILITY NAME

Jeffery C. Williams, Shift Operations Supervisor

TELEPHONE NUMBER (Include Area Code)

815-415-2203

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

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX
X	LC	V	P202	Y					

**14. SUPPLEMENTAL REPORT EXPECTED**☐ YES (If yes, complete 15. EXPECTED SUBMISSION DATE)☒ NO**15. EXPECTED SUBMISSION DATE**

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

On August 31, 2012, at 09:40 CDT, while blowing down the 2B Diesel Generator (DG) A train Starting Air receiver for preventative maintenance, the receiver pressure decreased below the minimum 165 psig required for DG operability per Technical Specification (TS) 3.8.3, Condition D. The 2B DG provides emergency AC power to Division 3, which supplies the High Pressure Core Spray System (HPCS). The 2B DG was declared inoperable in accordance with TS 3.8.3 Required Action E.1.

At 10:22 CDT, the A air start train was re-pressurized to greater than 165 psig, and the 2B DG was declared operable. The 2B DG was inoperable for approximately 42 minutes.

The cause of the event was determined to be a degraded drain valve on the A train starting air receiver. The corrective actions included replacement of the drain valve.

**LICENSEE EVENT REPORT (LER)  
CONTINUATION SHEET**

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
LaSalle County Station, Unit 2	05000374	YEAR	SEQUENTIAL NUMBER	REV NO.	2      OF      3
		2012	- 001	- 0	

**NARRATIVE**

LaSalle County Station Unit 2 is a General Electric Company Boiling Water Reactor with 3546 Megawatts Rated Core Thermal Power.

**A. CONDITION PRIOR TO EVENT:**

Unit(s): 2	Event Date: August 31, 2012	Event Time: 09:40 CDT
Reactor Mode(s): 1	Mode(s) Name: Run	Power Level: 100 percent

**B. DESCRIPTION OF EVENT:**

On August 31, 2012, at 09:40 CDT, while blowing down the 2B Diesel Generator (DG)[EK] A train Starting Air (DG)[LC] receiver for preventative maintenance, the receiver pressure decreased below the minimum 165 psig required for DG operability per Technical Specification (TS) 3.8.3, Condition D. The 2B DG provides emergency AC power to Division 3, which supplies the High Pressure Core Spray System (HPCS)[BG]. The 2B DG was declared inoperable in accordance with TS 3.8.3 Required Action E.1.

At 10:22 CDT, the A air start train was re-pressurized to greater than 165 psig, and the 2B DG was declared operable. The 2B DG was inoperable for approximately 42 minutes.

Because the 2B DG provides emergency power to HPCS, which is a single train system, this occurrence is reportable under 10 CFR 50.73(a)(2)(v)(D) as an event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to mitigate the consequences of an accident. The NRC was notified of this occurrence via ENS# 48263 at 16:50 CDT on August 31, 2012.

**C. CAUSE OF EVENT:**

The cause of the loss of air pressure in the 'A' air start train receiver was degradation of the receiver drain valve. The drain valve was very difficult to operate, which resulted in the receiver air pressure decreasing more than expected when the operator opened it to blow down the receiver.

**D. SAFETY ANALYSIS:**

The safety significance of this event was minimal. The normal power supply to HPCS remained operable throughout the event. The B train air start system for the 2B DG remained greater than 165 psig and would have started the 2B DG if required.

Additionally, the Reactor Core Isolation Cooling System, Automatic Depressurization System, and the Low Pressure Emergency Core Cooling Systems were operable throughout the event.

**LICENSEE EVENT REPORT (LER)  
CONTINUATION SHEET**

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
LaSalle County Station, Unit 2	05000374	YEAR	SEQUENTIAL NUMBER	REV NO.	3    OF    3
		2012	-    001    -	0	

**NARRATIVE**

**E. CORRECTIVE ACTIONS:**

- The receiver drain valve was fully closed, and the A train starting air compressor repressurized the A system receiver.
- The receiver drain valve was replaced on September 14, 2012.

**F. PREVIOUS OCCURRENCES:**

A search of the LER database going back 10 years found no previous occurrences where low starting air pressure caused the 2B DG to be declared inoperable.

**G. COMPONENT FAILURE DATA:**

3/4 inch, 2-way ball valve, Pittsburgh Brass MFG, Part # SPE-D5Q-G