

Exelon Generation Company, LLC      www.exeloncorp.com  
LaSalle County Station  
2601 North 21<sup>st</sup> Road  
Marseilles, IL 61341-9757

March 15, 2002

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

LaSalle County Station, Units 1 and 2  
Facility Operating License Nos. NPF-11 and NPF-18  
NRC Docket Nos. 50-373 and 50-374

Subject:      Monthly Operating Report for February 2002

Enclosed is the Exelon Generation Company (EGC), LLC, Monthly Operating Report for LaSalle County Station covering the period from February 1 through February 28, 2002. This report is submitted in accordance with Technical Specification 5.6.4.

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

Respectfully,



*for* William Riffer  
Regulatory Assurance Manager  
LaSalle County Station

Enclosure

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

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LASALLE COUNTY STATION  
UNIT 1 AND UNIT 2  
MONTHLY PERFORMANCE REPORT

EXELON GENERATION COMPANY

NRC DOCKET NO. 50-373  
NRC DOCKET NO. 50-374

LICENSE NO. NPF-11  
LICENSE NO. NPF-18

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**I. Monthly Report for LaSalle County Station Unit One-February 2002**

**A. OPERATING DATA SUMMARY FOR UNIT ONE**

**DOCKET NO.:** 50-373  
**UNIT:** LaSalle One  
**DATE:** March 1, 2002  
**COMPLETED BY:** A. Duncan  
**TELEPHONE:** (815) 415-2813

1. Reporting Period: February 2002 Gross Hours: 672
2. Currently Authorized Power Level: 3489 (MWt)  
 Design Electrical Rating: 1154 (MWe-net)  
 Max Dependable Capacity: 1111 (MWe-net)
3. Power Level To Which Restricted (If Any): None
4. Reasons For Restriction (If Any): N/A

		<b>THIS MONTH</b>	<b>YEAR-TO-DATE</b>	<b>CUMULATIVE</b>
5.	Reactor Critical Hours	621.6	841.9	108492.4
6.	Reactor Reserve Shutdown Hours	0.0	0.0	1641.2
7.	Hours Generator On-Line	595.2	811.2	106282.4
8.	Unit Reserve Shutdown Hours	0.0	0.0	1.0
9.	Gross Thermal Energy (MWh)	1714876.6	2398118.9	325382500.9
10.	Gross Electric Energy (MWh)	581658.0	804757.0	109118928.0
11.	Net Electrical Energy (MWh)	567533.0	777996.0	105393562.0
12.	Reactor Service Factor (%)	92.5	59.5	68.1
13.	Reactor Availability Factor (%)	92.5	59.5	69.2
14.	Unit Service Factor (%)	88.6	57.3	66.7
15.	Unit Availability Factor	88.6	57.3	66.7
16.	Unit Capacity Factor (MDC)	76.0	49.5	61.9
17.	Unit Capacity Factor (design MWe)	73.2	47.6	59.5
18.	Unit Forced Outage Factor (%)	0.0	0.0	11.1

19. Shutdowns Scheduled Over Next 6 Months: None
20. If Shutdown at End of Report Period, Date of Startup: N/A

**B. UNIT SHUTDOWNS AND OPERATING SUMMARY**

REPORT MONTH FEBRUARY 2002

NO	DATE	TYPE (1)	DURATION (HOURS)*	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CORRECTIVE ACTIONS/ COMMENTS
None	02/01/02	S	81.0	C	4	Refueling Outage

\* Year-to-date forced outage hours = 0.0  
 Cumulative forced outage hours = 13336.6

**TABLE KEY:**

(1)  
**F:** Forced  
**S:** Scheduled

(2)  
Reason:  
**A** Equipment Failure (Explain)  
**B** Maintenance or Test  
**C** Refueling  
**D** Regulatory Restriction  
**E** Operator / Licensing Exam  
**F** Administrative  
**G** Operational Error (Explain)  
**H** Other (Explain)

(3)  
Method:  
**1.** Manual  
**2.** Manual Scram  
**3.** Automatic Scram  
**4.** Continuation  
**5.** Other (Explain)

**SUMMARY:**

LaSalle Unit 1 operated at full power during February 2002, with the exception of the following:

- February 1, 2002 (0000) – The unit started the month in a refueling outage. The unit went critical at 0227 on February 3, 2002. The unit returned to full power at 0234 hours on February 9, 2002. Total duration of the outage for the month was 194 hours and 34 minutes.
- February 11, 2002 (0110) – The unit reduced power to 845 MWe for a control rod adjustment. The unit returned to full power at 0925 hours on February 12, 2002. Total duration of the power reduction was 32 hours and 15 minutes.
- February 14, 2002 (2000) – The unit reduced power to 650 MWe for a power suppression testing. The unit returned to full power at 0000 hours on February 18, 2002. Total duration of the power reduction was 76 hours.
- February 19, 2002 (2000) – The unit reduced power to 870 MWe for a control rod adjustment. The unit returned to full power at 1700 hours on February 20, 2002. Total duration of the power reduction was 21 hours.

**C. UNIQUE REPORTING REQUIREMENTS FOR UNIT ONE**

1. Challenges other than routine surveillance testing to Safety/Relief Valve Operations–None
2. Major Changes to Radioactive Waste Treatment System–None

## II. Monthly Report for LaSalle County Station Unit Two-February 2002

### A. OPERATING DATA SUMMARY FOR UNIT TWO

**DOCKET NO.:** 50-374  
**UNIT:** LaSalle Two  
**DATE:** March 1, 2002  
**COMPLETED BY:** A. Duncan  
**TELEPHONE:** (815) 415-2813

1. Reporting Period: February 2002      Gross Hours: 672
2. Currently Authorized Power Level: 3489 (MWt)  
 Design Electrical Rating: 1154 (MWe-net)  
 Max Dependable Capacity: 1111 (MWe-net)
3. Power Level To Which Restricted (If Any): None
4. Reasons For Restriction (If Any): N/A

		<b>THIS MONTH</b>	<b>YEAR-TO-DATE</b>	<b>CUMULATIVE</b>
5.	Reactor Critical Hours	672.0	1416.0	101633.7
6.	Reactor Reserve Shutdown Hours	0.0	0.0	1716.9
7.	Hours Generator On-Line	661.2	1405.2	100355.8
8.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
9.	Gross Thermal Energy (MWHt)	2209525.2	4721813.6	312164377.5
10.	Gross Electric Energy (MWHe)	752652.0	1612098.0	104969587.0
11.	Net Electrical Energy (MWHe)	735915.0	1573772.0	100903624.0
12.	Reactor Service Factor (%)	100.0	100.0	66.8
13.	Reactor Availability Factor (%)	100.0	100.0	67.9
14.	Unit Service Factor (%)	98.4	99.2	65.9
15.	Unit Availability Factor	98.4	99.2	65.9
16.	Unit Capacity Factor (MDC)	98.6	100.0	62.4
17.	Unit Capacity Factor (design MWe)	94.9	96.3	60.0
18.	Unit Forced Outage Factor (%)	1.6	0.8	16.1

19. Shutdowns Scheduled Over Next 6 Months: Mid Cycle Outage L2P01 is scheduled for April 9, 2002.
20. If Shutdown at End of Report Period, Date of Startup: N/A

B. UNIT SHUTDOWNS AND OPERATING SUMMARY

REPORT MONTH FEBRUARY 2002

NO	DATE	TYPE (1)	DURATION (HOURS)*	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CORRECTIVE ACTIONS/ COMMENTS
1	2/4/02	F	10.8	B	5	Rector remained critical during shutdown. Shutdown was to repair brushes on the main generator.

\* Year-to-date forced outage hours = 10.8  
 Cumulative forced outage hours = 19242.2

TABLE KEY:

(1)

**F:** Forced  
**S:** Scheduled

(2)

Reason:  
**A** Equipment Failure (Explain)  
**B** Maintenance or Test  
**C** Refueling  
**D** Regulatory Restriction  
**E** Operator / Licensing Exam  
**F** Administrative  
**G** Operational Error (Explain)  
**H** Other (Explain)

(3)

Method:  
**1.** Manual  
**2.** Manual Scram  
**3.** Automatic Scram  
**4.** Continuation  
**5.** Other (Explain)

SUMMARY:

LaSalle Unit 2 operated at full power during February 2002, with the exception of the following:

- February 4, 2002 (1338) – The unit reduced power to 0 MWe to repair the main generator. The Unit did not go subcritical. The turbine was taken off-line on February 6, 2002 at 0332 hours. The unit returned to full power at 0545 hours on February 8, 2002. Total duration of the power reduction was 88 hours and 7 minutes.
- February 9, 2002 (2356) – The unit reduced power to 870 MWe for a control rod adjustment. The unit returned to full power at 1630 hours on February 9, 2002. Total duration of the power reduction was 16 hours and 34 minutes.
- February 17, 2002 (0245) – The unit reduced power to 970 MWe for a control rod adjustment. The unit returned to full power at 1635 hours. Total duration of the power reduction was 13 hours and 50 minutes.

C. UNIQUE REPORTING REQUIREMENTS FOR UNIT TWO

1. Challenges other than routine surveillance testing to Safety/Relief Valve Operations–None
2. Major Changes to Radioactive Waste Treatment Systems–None