Commonwealth Edison Company
LaSalle Generating Station
2601 North 21st Road
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Tel 815-357-6761

ComEd

December 15, 1999

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

Enclosed is the Commonwealth Edison (ComEd) Company, LaSalle County Station, Monthly Operating Report covering the period from November 1, 1999 through November 30, 1999. This report is submitted in accordance with Technical Specification 6.6.A.5.

Should you have any questions concerning this letter, please contact Mr. Frank A. Spangenberg, III, Regulatory Assurance Manager, at (815) 357-6761, extension 2383.

Respectfully,

Jeffrey A. Benjamin
Site Vice President
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

COMMONWEALTH EDISON 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--November, 1999

A. OPERATING DATA SUMMARY FOR UNIT ONE

DOCKET NO.: 50-373
UNIT: LaSalle One
DATE: December 7, 1999
COMPLETED BY: S. Anderson
TELEPHONE: (815) 357-6761 x2620

1. Reporting Period: November, 1999 Gross Hours: 720

2. Currently Authorized Power Level: 3,323 (MWt)
   Design Electrical Rating: 1,078 (MWe-net)
   Max Dependable Capacity: 1,036 (MWe-net)

3. Power Level To Which Restricted (If Any): None

4. Reasons For Restriction (If Any): N/A

		THIS MONTH	YEAR-TO-DATE	CUMULATIVE
5.	Reactor Critical Hours	237.8	7,275.2	89,399.1
6.	Reactor Reserve Shutdown Hours	0.0	0.0	1,641.2
7.	Hours Generator On-Line	200.7	7,220.2	87,233.2
8.	Unit Reserve Shutdown Hours	0.0	0.0	1.0
9.	Gross Thermal Energy (MWHt)	518,252	22,038,621	260,717,971
10.	Gross Electric Energy (MWHe)	178,482	7,427,266	87,289,517
11.	Net Electrical Energy (MWHe)	166,786	7,195,080	84,201,206
12.	Reactor Service Factor (%)	33.0	90.8	64.1
13.	Reactor Availability Factor (%)	33.0	90.8	65.2
14.	Unit Service Factor (%)	27.9	90.1	62.5
15.	Unit Availability Factor	27.9	90.1	62.5
16.	Unit Capacity Factor (MDC)	22.4	86.6	58.2
17.	Unit Capacity Factor (design MWe)	21.5	83.3	56.0
18.	Unit Forced Outage Factor (%)	0.0	0.8	13.2

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 NOVEMBER 1999

NO	DATE	TYPE (1)	DURATION (HOURS)*	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CORRECTIVE ACTIONS/ COMMENTS
2	10/23/99	S	511.1	C	2	The unit was out of service for refueling outage L1R08.

* Year-to-date forced outage hours = 59.5
Cumulative forced outage hours = 13,286.0

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 began the month of November in refueling outage L1R08. Following the completion of outage activities, the reactor was taken critical at 0215 on November 21. The generator was placed on line at 0706 on November 22, ending the refueling outage. The generator was taken back offline at 1240 on November 22 for turbine testing and placed back online at 2051. Power ascension was completed at approximately 0700 on November 25. The unit then operated at full power for the remainder of November with the exception of the following load drops:

- November 26, 1999 0300 – A load drop was taken to support a control rod pattern adjustment. Pattern adjustment and return to full power lasted 4.75 hours with the unit returning to full power at 0745.
- November 26, 1999 1400 – As core Xenon continued to build in, reactor power began to decrease due to the lowering of the flow control line. Reactor power coasted down and stabilized at approximately 3250 MWt while reactor recirculation jet pump loop flow mismatch was assessed. Reactor power remained at 3250 MWt until early on November 28 when power was further reduced in response to an EHC leak.

SUMMARY (Continued):

- November 28, 1999 0038 – An EHC oil leak was discovered on the #2 Turbine Control Valve (TCV). At 0200 power was reduced to approximately 2500 MWt to allow for closure of the #2 TCV and isolation of EHC oil for troubleshooting. While leak repairs were progressing, power was further decreased to support a control rod pattern adjustment and jet pump flow and reactor recirculation system data collection. Once these activities were completed, operators began ramping power up to 100%. The power ramp was completed at 0445 on November 29. The total duration of this load drop was 26.75 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--November, 1999

A. OPERATING DATA SUMMARY FOR UNIT TWO

DOCKET NO.: 50-374
UNIT: LaSalle Two
DATE: December 7, 1999
COMPLETED BY: S. Anderson
TELEPHONE: (815) 357-6761 x2620

1. Reporting Period: November, 1999 Gross Hours: 720

2. Currently Authorized Power Level: 3,323 (MWt)
   Design Electrical Rating: 1,078 (MWe-net)
   Max Dependable Capacity: 1,036 (MWe-net)

3. Power Level To Which Restricted (If Any): None

4. Reasons For Restriction (If Any): N/A

		THIS MONTH	YEAR-TO-DATE	CUMULATIVE
5.	Reactor Critical Hours	686.5	5,575.1	82,603.5
6.	Reactor Reserve Shutdown Hours	0.0	0.0	1,716.9
7.	Hours Generator On-Line	658.6	5,489.1	81,459.3
8.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
9.	Gross Thermal Energy (MWHt)	2,209,453	17,768,217	248,290,904
10.	Gross Electric Energy (MWHe)	730,460	6,015,988	83,191,912
11.	Net Electrical Energy (MWHe)	706,837	5,806,652	79,780,295
12.	Reactor Service Factor (%)	95.3	69.5	62.3
13.	Reactor Availability Factor (%)	95.3	69.5	63.6
14.	Unit Service Factor (%)	91.5	68.5	61.5
15.	Unit Availability Factor	91.5	68.5	61.5
16.	Unit Capacity Factor (MDC)	94.8	69.9	58.1
17.	Unit Capacity Factor (design MWe)	91.1	67.2	55.8
18.	Unit Forced Outage Factor (%)	8.5	31.5	18.8

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 NOVEMBER 1999

NO	DATE	TYPE (1)	DURATION (HOURS)*	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CORRECTIVE ACTIONS/ COMMENTS
2	11/16/99	F	61.4	A	2	As a result of an EHC system malfunction, turbine intercept valves 4, 5, and 6 closed and valves 1, 2, and 3 went to the 50% open position. In response to this malfunction the unit was manually scrammed at 1834. Two circuit cards in the EHC system were found to be failed upon investigation. These circuit cards have been shipped to General Electric for failure evaluation. The root cause of the failures and necessary corrective actions will be identified following the failure evaluations.

* Year-to-date forced outage hours = 2,527.7
Cumulative forced outage hours = 18,920.0

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 throughout the month of November with the exception of the following:

- November 6, 1999 0425 – A load drop was taken to support scheduled surveillance testing. The load drop, including the ramp back to full power, lasted slightly more than 1 hour, with the unit returning to full power at 0544.

- November 16, 1999 1830 – Control room received alarms for turbine intercept valve fast closure and EHC system malfunction. Intercept valves 4, 5, and 6 were observed to go full closed, intercept valves 1, 2, and 3 were observed to close to the 50% open position, turbine control valve #1 position and LP turbine inlet pressure were observed to be oscillating, and numerous feedwater heater alarms were received. In response to this event, operators manually scrammed the reactor at 1834.

  Following forced outage activities, including the replacement of 2 failed EHC system circuit cards, startup began at 2218 on November 17. The reactor was taken critical at 0405 on November 18. Initial attempt to roll the main turbine was unsuccessful due to intermittent EHC malfunction and Division II DC ground alarms. The problem was isolated to water in the #2 Bypass Valve limit switch. Following correction of this problem, the generator was successfully placed online at 0800 on November 19. The unit then ramped up to 100% power, reaching full rated core thermal power at 1710 on November 20. Control rod movements and recirculation flow control valve adjustments were used to account for the build in of Xenon, until another load drop was required.

- November 21, 1999 2300 – A load drop was taken to support a control rod pattern adjustment. The load drop, including the ramp back to full power, lasted slightly less than 3.5 hours, with the unit returning to full power at 0225 on November 22.

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