



August 7, 1996

**United States Nuclear Regulatory Commission  
Washington, D.C. 20555**

**Attention:** Document Control Desk

**Subject:** LaSalle County Station Units 1 and 2  
Monthly Performance Report  
NRC Docket Numbers 50-373 and 50-374.

Enclosed is the LaSalle County Station Monthly Performance Report for the month of July, 1996.

Respectfully,

A handwritten signature in dark ink, appearing to read "D. J. Ray", is written over a horizontal line.

D. J. Ray  
Station Manager  
LaSalle County Station

Enclosure

cc: A.B. Beach, NRC Region III Administrator  
M. P. Huber, NRC Senior Resident Inspector - LaSalle  
B. L. Jorgensen - NRC Region III Branch Chief  
D. M. Skay, Project Manager, NRR - LaSalle  
C. H. Mathews, IDNS Resident Inspector - LaSalle  
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P. Doverspike, GE Representative - LaSalle  
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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

July 1996

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-373

LICENSE NO. NPF-11

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1. Main Steam Safety Relief Valve Operations
2. Major Changes to Radioactive Waste Treatment System
3. Off-Site Dose Calculation Manual Changes

I. INTRODUCTION (UNIT 1)

The LaSalle County Nuclear Power Station is a two-Unit facility owned by Commonwealth Edison Company and located near Marseilles, Illinois. Each unit is a Boiling Water Reactor with a designed net electrical output of 1078 Megawatts. Waste heat is rejected to a man-made cooling pond using the Illinois river for make-up and blowdown. The architect-engineer was Sargent and Lundy and the contractor was Commonwealth Edison Company.

Unit one was issued operating license number NPF-11 on April 17, 1982. Initial criticality was achieved on June 21, 1982 and commercial power operation was commenced on January 1, 1984.

This report was compiled by Michael J. Cialkowski, telephone number (815) 357-6761, extension 2056.

## II. MONTHLY REPORT

### A. SUMMARY OF OPERATING EXPERIENCE (Unit 1)

<u>Day</u>	<u>Time</u>	<u>Event</u>
1	0000	Reactor sub-critical, Generator off-line.
13	2129	Reactor critical.
14	2047	Generator on-line at 50 Mwe.
15	1900	Power level at 1036 Mwe.
16	0330	Power level at 1115 Mwe.
18	0200	Reduced power level to 740 Mwe for rod pattern adjustments.
	0600	Increased power level to 1115 Mwe.
26	1130	Reduced power level to 1016 Mwe due to drifting of control rod 34-11.
	1330	Increased power level to 1106 Mwe.
	1906	Reduced power level to 900 Mwe for rod pattern adjustments.
27	1100	Increased power level to 1120 Mwe.
31	2400	Reactor critical, Generator on-line at 1120 Mwe.

### B. DATA TABULATIONS (Unit 1)

1. Operating Data Report (See Table 1)
2. Average Daily Unit Power Level (See Table 2)
3. Unit Shutdowns and Significant Power Reductions (See Table 3)

### C. UNIQUE REPORTING REQUIREMENTS (UNIT 1)

1. Safety Relief Valve Operations  
(None)
2. Major Changes to Radioactive Waste Treatment Systems  
(None)
3. Changes to the Off-Site Dose Calculation Manual  
(None)

TABLE 1  
B.1 OPERATING DATA REPORT

DOCKET NO. 050-373  
UNIT LASALLE ONE  
DATE August 09, 1996  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD:	July 1996	GROSS HOURS IN REPORTING PERIOD	744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt):	3,323	MAX DEPEND CAPACITY (MWe-Net):	1,036
		DESIGN ELECTRICAL RATING (MWe-N	1,078

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): N/A

4. REASONS FOR RESTRICTION (IF ANY): N/A

REPORTING PERIOD DATA

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
5. REACTOR CRITICAL TIME (HOURS)	434.5	2,512.4	75,527.5
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	411.2	2,086.2	75,426.3
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWh <sub>t</sub> )	1,312,680	6,148,536	224,603,353
10. ELECTRICAL ENERGY GENERATED (MWe <sub>t</sub> -Gross)	440,093	2,010,058	75,053,910
11. ELECTRICAL ENERGY GENERATED (MWe <sub>t</sub> -Net)	424,667	1,915,948	72,054,376
12. REACTOR SERVICE FACTOR (%)	58.4	49.2	68.5
13. REACTOR AVAILABILITY FACTOR (%)	58.4	49.2	69.9
14. UNIT SERVICE FACTOR (%)	55.3	40.8	68.4
15. UNIT AVAILABILITY FACTOR (%)	55.3	40.8	68.4
16. UNIT CAPACITY FACTOR (USING MDC) (%)	55.1	36.2	63.0
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	52.9	34.8	60.6
18. UNIT FORCED OUTAGE FACTOR (%)	44.7	21.2	8.3

19. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): N/A

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

TABLE 2  
B.2 AVERAGE DAILY UNIT POWER LEVEL (MWe-Net)

DOCKET NO. 050-373  
UNIT LASALLE ONE  
DATE August 09, 1996  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

REPORT PERIOD: July 1996

DAY	POWER	DAY	POWER
1	-12	17	988
2	-12	18	1,053
3	-12	19	1,095
4	-13	20	1,094
5	-13	21	1,096
6	-13	22	1,098
7	-14	23	1,094
8	-14	24	1,092
9	-13	25	1,093
10	-14	26	1,039
11	-14	27	1,056
12	-14	28	1,086
13	-14	29	1,087
14	3	30	1,087
15	681	31	1,086
16	1,040		

TABLE 3

B.3 UNIT SHUTDOWNS AND POWER REDUCTIONS > 20%  
(UNIT 1)

<u>YEARLY SEQUENTIAL NUMBER</u>	<u>DATE (YYMMDD)</u>	<u>TYPE F: FORCED S: SCHEDULED</u>	<u>DURATION (HOURS)</u>	<u>REASON</u>	<u>METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER</u>	<u>CORRECTIVE ACTIONS/COMMENTS (LER # if applicable)</u>
04	960626	F	332.77	G	3	Unit shutdown due to ECCS and CPCS equipment cooling systems inoperable due to foreign material in the Service Water system tunnel (LER# 96-008).

SUMMARY OF OPERATION: The unit started the month off-line due to foreign material in the Service Water system tunnel which required the ECCS and the CPCS equipment cooling systems to be declared inoperable. The unit was returned to service on 08/14/96 and remained on-line for the remainder of the month.



LASALLE NUCLEAR POWER STATION

UNIT 2

MONTHLY PERFORMANCE REPORT

July 1996

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

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C. UNIQUE REPORTING REQUIREMENTS

1. Main Steam Safety Relief Valve Operations
2. Major Changes to Radioactive Waste Treatment System
3. Off-Site Dose Calculation Manual Changes

I. INTRODUCTION (UNIT 2)

The LaSalle County Nuclear Power Station is a two-Unit facility owned by Commonwealth Edison Company and located near Marseilles, Illinois. Each unit is a Boiling Water Reactor with a designed net electrical output of 1078 Megawatts. Waste heat is rejected to a man-made cooling pond using the Illinois river for make-up and blowdown. The architect-engineer was Sargent and Lundy and the contractor was Commonwealth Edison Company.

Unit two was issued operating license number NPF-18 on December 16, 1983. Initial criticality was achieved on March 10, 1984 and commercial power operation was commenced on October 19, 1984.

This report was compiled by Michael J. Cialkowski, telephone number (815)357-6761, extension 2056.

## II. MONTHLY REPORT

### A. SUMMARY OF OPERATING EXPERIENCE (Unit 2)

<u>Day</u>	<u>Time</u>	<u>Event</u>
1	0000	Reactor sub-critical, Generator off-line.
15	1635	Reactor critical.
16	0940	Generator on-line at 60 Mwe.
19	0630	Power level at 1024 Mwe.
20	0430	Reduced power level to 745 Mwe for rod pattern adjustments.
21	0830	Increased power level to 1124 Mwe.
31	2400	Reactor critical, Generator on-line at 1060 Mwe.

### B. DATA TABULATIONS (Unit 2)

1. Operating Data Report (See Table 1)
2. Average Daily Unit Power Level (See Table 2)
3. Unit Shutdowns and Significant Power Reductions (See Table 3)

### C. UNIQUE REPORTING REQUIREMENTS (UNIT 2)

1. Safety Relief Valve Operations  
(None)
2. Major Changes to Radioactive Waste Treatment Systems  
(None)
3. Changes to the Off-Site Dose Calculation Manual  
(None)

TABLE 1  
B.1 OPERATING DATA REPORT

DOCKET NO. 050-374  
UNIT LASALLE TWO  
DATE August 09, 1996  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: July 1996 GROSS HOURS IN REPORTING PERIOD: 744  
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3,323 MAX DEPEND CAPACITY (MWe-Net): 1,036  
DESIGN ELECTRICAL RATING (MWe-Net): 1,078

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): N/A

4. REASONS FOR RESTRICTION (IF ANY): N/A

REPORTING PERIOD DATA

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
5. REACTOR CRITICAL TIME (HOURS)	391.4	4,553.1	75,842.7
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	374.4	4,449.9	74,291.4
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWht)	1,115,539	13,731,490	225,700,745
10. ELECTRICAL ENERGY GENERATED (MWhe-Gross)	373,030	4,679,445	75,577,301
11. ELECTRICAL ENERGY GENERATED (MWhe-Net)	359,138	4,528,801	72,681,473
12. REACTOR SERVICE FACTOR (%)	52.6	89.1	73.4
13. REACTOR AVAILABILITY FACTOR (%)	52.6	89.1	75.1
14. UNIT SERVICE FACTOR (%)	50.3	87.1	71.9
15. UNIT AVAILABILITY FACTOR (%)	50.3	87.1	71.9
16. UNIT CAPACITY FACTOR (USING MDC) (%)	46.6	85.5	67.9
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	44.8	82.2	65.3
18. UNIT FORCED OUTAGE FACTOR (%)	49.7	13.0	10.2

19. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Refuel, 09/07/96, 10 Weeks

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

TABLE 2  
B.2 AVERAGE DAILY UNIT POWER LEVEL (MWe-Net)

DOCKET NO. 050-374  
UNIT LASALLE TWO  
DATE August 09, 1996  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

REPORT PERIOD: July 1996

DAY	POWER	DAY	POWER
1	-12	17	548
2	-12	18	842
3	-12	19	986
4	-12	20	931
5	-13	21	1,086
6	-13	22	1,090
7	-13	23	1,089
8	-13	24	1,082
9	-13	25	1,080
10	-14	26	1,070
11	-14	27	1,064
12	-14	28	1,059
13	-14	29	1,048
14	-15	30	1,042
15	-11	31	1,037
16	103		

TABLE 3

B.3 UNIT SHUTDOWNS AND POWER REDUCTIONS > 20%  
(UNIT 2)

<u>YEARLY SEQUENTIAL NUMBER</u>	<u>DATE (YYMMDD)</u>	<u>TYPE F: FORCED S: SCHEDULED</u>	<u>DURATION (HOURS)</u>	<u>REASON</u>	<u>METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER</u>	<u>CORRECTIVE ACTIONS/COMMENTS (LER # if applicable)</u>
05	960629	F	369.65	H	2	Unit shutdown due to the ECCS and CSCS equipment cooling systems being inoperable due to foreign material in the Service Water system tunnel (LER# 96-008).

SUMMARY OF OPERATION: The unit started the month off-line due to foreign material in the Service Water system tunnel which required the ECCS and the CSCS equipment cooling systems to be declared inoperable. The unit was returned to service on 08/16/96 and remained on-line for the remainder of the month.