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LaSalle Generating Station
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ComEd

May 8, 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 April, 1996.

Respectfully,

D. J. Ray
Station Manager
LaSalle County Station

Enclosure

cc: H. J. Miller, NRC Region III Administrator
P. G. Brochman, NRC Senior Resident Inspector - LaSalle
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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

April 1996

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-373

LICENSE NO. NPF-11

TABLE OF CONTENTS
(UNIT 1)

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)

Day	Time	Event
1	0000	Reactor sub-critical, Generator off-line, refuel outage (L1R07) in progress.
30	2400	Reactor sub-critical, Generator off-line, refuel outage (L1R07) in progress.

B. AMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATION

On April 4, 1996, Amendment 111 was issued to license NPF-11 (Unit 1). This amendment removes/changes temperature and differential temperature from the isolation logic for the main steam tunnel trips.

On April 5, 1996, Amendment 112 was issued to license NPF-11 (Unit 1). This amendment deletes the main steam isolation valve leakage control system and increases main steam isolation valve total allowed leakage from 100 scfh to 400 scfh, with 100 scfh allowed leakage per main steam line.

C. SUBMITTED LICENSEE EVENT REPORTS (Unit 1)

LER No.	Occurrence Date	Description
96-002	03/23/96	Hourly fire watch was not performed as required per the Station Technical Specification.
96-003	03/26/96	Reactor scram due to spurious spike of the 'H' intermediate range monitor.

D. 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)

E. UNIQUE REPORTING REQUIREMENTS (UNIT 1)

1. Safety Relief Valve Operations
   (None)

2. Major Changes to Radioactive Waste Treatment Systems
   (None)

3. Static O-Ring Failures
   (None)

4. Changes to the Off-Site Dose Calculation Manual
   (None)

TABLE 1
D.1 OPERATING DATA REPORT

DOCKET NO. 050-373
UNIT LASALLE ONE
DATE May 10, 1996
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: April 1996 — GROSS HOURS IN REPORTING PERIOD: 719
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)	0.0	585.5	75,527.5
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	0.0	582.3	73,922.4
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWHt)	0	1,411,768	219,866,585
10. ELECTRICAL ENERGY GENERATED (MWHe-Gross)	0	470,404	73,514,256
11. ELECTRICAL ENERGY GENERATED (MWHe-Net)	-8,593	424,303	70,562,731
12. REACTOR SERVICE FACTOR (%)	0.0	20.2	69.9
13. REACTOR AVAILABILITY FACTOR (%)	0.0	20.2	71.4
14. UNIT SERVICE FACTOR (%)	0.0	20.1	68.4
15. UNIT AVAILIBILITY FACTOR (%)	0.0	20.1	68.4
16. UNIT CAPACITY FACTOR (USING MDC) (%)	-1.2	14.1	63.0
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	-1.1	13.6	60.5
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	0.0	7.8

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: 05/07/96

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

DOCKET NO. 050-373
UNIT LASALLE ONE
DATE May 10, 1996
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

REPORT PERIOD: April 1996

DAY	POWER	DAY	POWER
1	-12	17	-12
2	-11	18	-12
3	-11	19	-12
4	-12	20	-12
5	-12	21	-12
6	-12	22	-12
7	-12	23	-12
8	-12	24	-12
9	-12	25	-12
10	-12	26	-12
11	-12	27	-12
12	-12	28	-12
13	-12	29	-12
14	-12	30	-12
15	-12	31	
16	-12		

TABLE 3

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

YEARLY SEQUENTIAL NUMBER	DATE (YYMMDD)	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS (LER # if applicable)
01	960125	S	719.0	C	2	Refuel outage (L1R07)

SUMMARY OF OPERATION: The unit remained in a scheduled refueling outage for the entire month.

LASALLE NUCLEAR POWER STATION

UNIT 2

MONTHLY PERFORMANCE REPORT

April 1996

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

TABLE OF CONTENTS
(UNIT 2)

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)

Day	Time	Event
1	0000	Reactor critical, Generator on-line at 1020 Mwe, power level held due to core limits.
	0400	Increased power level to 1135 Mwe.
3	0310	Reduced power level to 1090 Mwe to perform control rod cycling.
	0630	Increased power level to 1130 Mwe.
7	0300	Reduced power level to 1035 Mwe due to control rod 46-11 drifting.
	0900	Reduced power level to 850 Mwe to perform control rod positioning.
	2230	Increased power level to 1135 Mwe.
10	0300	Reduced power level to 1090 Mwe for performance of control rod cycling.
	0530	Increased power level to 1135 Mwe.
17	0115	Reduced power level to 1080 Mwe for performance of control rod cycling and to take the 'B' Heater Drain pump off-line and place the 'D' Heater Drain pump on-line.
	0330	Increased power level to 1110 Mwe.
19	2225	Reducing power level to perform surveillance testing and control rod moves. Power level held at 930 Mwe due to Low Power Range Monitor high alarm.
20	0850	Increased power level to 1020 Mwe.
	1800	Increased power level to 1080 Mwe.
24	0110	Reduced power level to 765 Mwe to perform a rod set.
	0345	Increased power level to 900 Mwe to perform surveillance testing. Turbine Control Valve #3 failed to reopen during testing.
	0500	Increased power level to 965 Mwe, power level held due to Turbine Control Valve #3 remaining in a closed position.
26	2040	Reduced power level to 875 Mwe to perform surveillance testing.
	2240	Reduced power level to 780 Mwe to perform rod sequencing.

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

Day	Time	Event
27	1310	Increased power level to 950 Mwe, power level held due to Turbine Control Valve #3 remaining in a closed position.
30	2400	Reactor critical, Generator on-line at 950 Mwe.

B. AMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATION

On April 4, 1996, Amendment 96 was issued to license NPF-18 (Unit 2). This amendment removes/changes temperature and differential temperature from the isolation logic for the main steam tunnel trips.

On April 5, 1996, Amendment 97 was issued to license NPF-18 (Unit 2). This amendment deletes the main steam isolation valve leakage control system and increases main steam isolation valve total allowed leakage from 100 scfh to 400 scfh, with 100 scfh allowed leakage per main steam line.

Note: The implementation and issuance of amendments 96 and 97 is dependent upon the installation of the associated modifications during the L2R07 refuel outage.

C. SUBMITTED LICENSEE EVENT REPORTS (Unit 2)
(None)

D. 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)

E. UNIQUE REPORTING REQUIREMENTS (UNIT 2)

1. Safety Relief Valve Operations
(None)

2. Major Changes to Radioactive Waste Treatment Systems
(None)

3. Static O-Ring Failures
(None)

4. Changes to the Off-Site Dose Calculation Manual
(None)

TABLE 1
D.1 OPERATING DATA REPORT

DOCKET NO. 050-374
UNIT LASALLE TWO
DATE May 10, 1996
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: April 1996 — GROSS HOURS IN REPORTING PERIOD: 719

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)	719.0	2,808.3	74,097.9
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	719.0	2,739.2	72,580.7
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWHt)	2,236,799	8,609,058	220,578,313
10. ELECTRICAL ENERGY GENERATED (MWHe-Gross)	769,003	2,942,162	73,840,018
11. ELECTRICAL ENERGY GENERATED (MWHe-Net)	741,773	2,845,278	70,997,950
12. REACTOR SERVICE FACTOR (%)	100.0	96.7	73.3
13. REACTOR AVAILABILITY FACTOR (%)	100.0	96.7	75.0
14. UNIT SERVICE FACTOR (%)	100.0	94.4	71.8
15. UNIT AVAILIBILITY FACTOR (%)	100.0	94.4	71.8
16. UNIT CAPACITY FACTOR (USING MDC) (%)	99.6	94.6	67.8
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	95.7	90.9	65.1
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	5.6	9.9

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

DOCKET NO. 050-374
UNIT LASALLE TWO
DATE May 10, 1996
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

REPORT PERIOD: April 1996

DAY	POWER	DAY	POWER
1	1,062	17	1,063
2	1,102	18	1,063
3	1,100	19	1,042
4	1,103	20	983
5	1,102	21	1,040
6	1,100	22	1,036
7	977	23	1,028
8	1,098	24	886
9	1,096	25	905
10	1,099	26	891
11	1,098	27	875
12	1,094	28	908
13	1,094	29	906
14	1,096	30	905
15	1,085	31	
16	1,067		

TABLE 3

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

YEARLY SEQUENTIAL NUMBER	DATE (YYMMDD)	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS (LER # if applicable)
(None)						

SUMMARY OF OPERATION: The unit remained on-line at high power throughout the month. Several minor power reductions were required throughout the month for routine maintenance activities.