

Commonwealth Edison Company
LaSalle Generating Station
2601 North 21st Road
Marseilles, IL 61341-9757
Tel 815-357-6761



June 10, 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 May, 1996.

Respectfully,


D. J. Ray
Station Manager
LaSalle County Station

Enclosure

cc: H. J. Miller, NRC Region III Administrator
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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

May 1996

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-373

LICENSE NO. NPF-11

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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 critical (criticality achieved on 04/21/96), Generator off-line, refuel outage (L1R07) in progress.
6	2306	Generator on-line at 60 Mwe, refuel outage (L1R07) ends.
7	0500	Power level at 125 Mwe.
	2138	Main Turbine trip for overspeed testing.
	2234	Generator on-line at 60 Mwe.
8	0200	Power level at 220 Mwe.
9	1040	Upshifted Reactor Recirculation pumps, power level at 400 Mwe.
	1700	Power level at 800 Mwe.
	1800	Power level at 900 Mwe.
10	2230	Power level at 1000 Mwe.
12	0107	Manual Reactor scram due to high vibrations levels on the Main Turbine bearing #12.
15	0945	Reactor critical.
17	0927	Generator on-line at 60 Mwe.
18	0050	Upshifted Reactor Recirculation pumps, power level at 465 Mwe.
	0320	Power level at 760 Mwe.
	1040	Power level at 900 Mwe.
22	0600	Power level at 990 Mwe.
23	0415	Power level reduced to 718 Mwe for performance of a rod set.
	1630	Power level increased to 1130 Mwe.
31	2400	Reactor critical, Generator on-line at 1130 Mwe.

B. AMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATION
(None)

C. SUBMITTED LICENSEE EVENT REPORTS (Unit 1)

<u>LER No.</u>	<u>Occurrence Date</u>	<u>Description</u>
96-004	04/12/96	"B" Reactor Protection System Motor Generator Set EPMA breaker inadvertently tripped due to personnel error.
96-005	04/23/96	Missed Technical Specification Surveillance, Manual Scram Instrumentation Functional Test, due to a human performance error.

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 June 10, 1996
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: May 1996
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3,323
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): N/A
4. REASONS FOR RESTRICTION (IF ANY): N/A

GROSS HOURS IN REPORTING PERIOD 744
MAX DEPEND CAPACITY (MWe-Net): 1,036
DESIGN ELECTRICAL RATING (MWe-N 1,078

	REPORTING PERIOD DATA		
	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
5. REACTOR CRITICAL TIME (HOURS)	639.4	1,450.2	75,527.5
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	471.7	1,054.0	74,394.1
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWh _t)	1,398,076	2,809,844	221,264,661
10. ELECTRICAL ENERGY GENERATED (MWh _e -Gross)	412,227	882,631	73,926,483
11. ELECTRICAL ENERGY GENERATED (MWh _e -Net)	397,491	821,794	70,960,222
12. REACTOR SERVICE FACTOR (%)	85.9	39.8	69.4
13. REACTOR AVAILABILITY FACTOR (%)	85.9	39.8	70.9
14. UNIT SERVICE FACTOR (%)	63.4	28.9	68.3
15. UNIT AVAILABILITY FACTOR (%)	63.4	28.9	68.3
16. UNIT CAPACITY FACTOR (USING MDC) (%)	51.6	21.8	62.9
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	49.6	20.9	60.5
18. UNIT FORCED OUTAGE FACTOR (%)	21.4	10.9	7.9

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

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

REPORT PERIOD: May 1996

DAY	POWER	DAY	POWER
1	-12	17	124
2	-12	18	743
3	-12	19	859
4	-12	20	866
5	-12	21	855
6	-9	22	896
7	94	23	1,003
8	212	24	1,093
9	525	25	1,080
10	856	26	1,080
11	969	27	1,080
12	33	28	1,081
13	-12	29	1,081
14	-12	30	1,078
15	-12	31	1,073
16	-12		

TABLE 3

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

<u>YLRLY 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>
01	960125	S	143.1	C	2	Refuel outage (L1R07)
02	960507	S	0.9	B	4	Main Turbine overspeed trip test.
03	960512	F	128.3	A	2	Unit shutdown due to high vibration levels on the Main Turbine bearing #12.

SUMMARY OF OPERATION: The unit started the month in a scheduled refueling outage. The unit was returned to service on 05/06/96. Following the Main Turbine overspeed testing the unit commenced a ramp to power. The Main Turbine experienced high vibration levels and the unit was subsequently scrammed on 05/12/96. The unit was returned to service on 05/17/96 and remained on-line for the remainder of the month.

LASALLE NUCLEAR POWER STATION

UNIT 2

MONTHLY PERFORMANCE REPORT

May 1996

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

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(UNIT 2)

I. INTRODUCTION

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C. LICENSEE EVENT REPORTS

D. DATA TABULATIONS

1. Operating Data Report
2. Average Daily Unit Power Level
3. Unit Shutdowns and Power Reductions

E. UNIQUE REPORTING REQUIREMENTS

1. Main Steam Safety Relief Valve Operations
2. Major Changes to Radioactive Waste Treatment System
3. Static O-Ring Failures
4. 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 critical, Generator on-line at 950 Mwe, power level held due to Turbine Control Valve #3 remaining in a closed position.
15	2215	Reduced power level to 800 Mwe due to system load.
16	0335	Increased power level to 900 Mwe.
	1400	Increased power level to 950 Mwe.
20	2100	Reduced power level to 870 Mwe due to #1 Turbine bypass valve opening.
	2330	Commanded unit shutdown due to problems with the Electro-Hydraulic Control system.
21	0220	Power level at 490 Mwe.
	0310	Power level at 300 Mwe.
	0901	Generator off-line.
	0951	Manual reactor scram.
24	0600	Reactor critical.
	2207	Generator on-line at 45 Mwe.
25	0915	Upshifted Reactor Recirculation pumps, power level at 400 Mwe.
	1300	Power level at 780 Mwe.
26	1700	Power level at 950 Mwe.
28	0200	Power level at 1130 Mwe.
	0900	Reduced power level to 960 Mwe due to problems with the Electro-Hydraulic Control system.
29	0700	Increased power level to 1135 Mwe.
31	2400	Reactor critical, Generator on-line at 1120 Mwe.

B. AMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATIONS
(None)

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 JUNE 10, 1996
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: May 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)	675.9	3,484.2	74,773.8
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	658.9	3,398.1	73,239.6
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWht)	1,810,408	10,419,466	222,388,721
10. ELECTRICAL ENERGY GENERATED (MWhe-Gross)	622,117	3,564,279	74,462,135
11. ELECTRICAL ENERGY GENERATED (MWhe-Net)	601,184	3,446,462	71,599,134
12. REACTOR SERVICE FACTOR (%)	90.8	95.5	73.4
13. REACTOR AVAILABILITY FACTOR (%)	90.8	95.5	75.1
14. UNIT SERVICE FACTOR (%)	88.6	93.2	71.9
15. UNIT AVAILABILITY FACTOR (%)	88.6	93.2	71.9
16. UNIT CAPACITY FACTOR (USING MDC) (%)	78.0	91.2	67.9
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	75.0	87.7	65.2
18. UNIT FORCED OUTAGE FACTOR (%)	11.6	6.9	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 June 10, 1996
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

REPORT PERIOD: May 1996

DAY	POWER	DAY	POWER
1	907	17	917
2	904	18	925
3	915	19	925
4	913	20	898
5	913	21	107
6	910	22	-11
7	919	23	-11
8	918	24	-3
9	923	25	498
10	921	26	885
11	930	27	949
12	918	28	1,032
13	922	29	1,103
14	924	30	1,103
15	907	31	1,100
16	888		

TABLE 3

D.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>
04	960521	F	85.1	A	2	Unit shutdown due to problems with the Electro-Hydraulic Control system.

SUMMARY OF OPERATION: The unit remained on-line at high power throughout most of the month. The unit experienced a forced outage on 05/20/96 to correct problems with the Electro-Hydraulic Control system. The unit was returned to service on 05/24/96.