



Commonwealth Edison
LaSalle County Nuclear Station
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Marseilles, Illinois 61341
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August 11, 1994

U.S. Nuclear Regulatory Commission
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Enclosed for your information is the monthly performance report covering
LaSalle County Nuclear Power Station for July 1994.

D. J. Ray
Station Manager
LaSalle County Station

DJR/tmb

Enclosure

cc: John B. Martin, Regional Administrator - Region III
NRC Senior Resident Inspector - LaSalle
IL Department of Nuclear Safety - LaSalle
NRR Project Manager - Washington, D.C.
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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

JULY 1994

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-373

LICENSE NO. NPF-11

TABLE OF CONTENTS
(UNIT 1)

I. INTRODUCTION

II. REPORT

A. SUMMARY OF OPERATING EXPERIENCE

B. AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

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 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 2427.

II. MONTHLY REPORT

A. SUMMARY OF OPERATING EXPERIENCE (Unit 1)

<u>Day</u>	<u>Time</u>	<u>Event</u>
1	0000	Reactor critical, Generator on-line at 160 Mwe.
3	1445	Power level at 320 Mwe.
5	0250	Power level at 480 Mwe.
	0336	Reactor scram due to reactor water level control signal loss to the '1B' turbine driven reactor feed pump.
6	0320	Reactor critical.
7	0645	Generator on-line at 77 Mwe.
	1655	Power level at 340 Mwe.
	2141	Power level at 540 Mwe.
8	1000	Reactor scram due to a feedwater signal spike.
10	1835	Reactor critical.
11	2116	Generator on-line at 34 Mwe.
12	0200	Power level at 340 Mwe.
25	0500	Power level at 860 Mwe.
26	0300	Power level at 1118 Mwe.
27	0200	Reduced power level to 890 Mwe to perform a rod set.
	1100	Increased power level to 1120 Mwe.
31	0600	Reduced power level to 995 Mwe due to system load.
	2400	Reactor critical, generator on-line at 1118 Mwe.

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

C. LICENSEE EVENT REPORTS (Unit 1)

<u>LER Number</u>	<u>Date</u>	<u>Description</u>
94-010	07/05/94	Reactor scram due to reactor water level control signal loss to the '1B' turbine driven reactor feed pump.
94-011	07/08/94	Reactor scram due to a feedwater signal spike.

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 August 10, 1994
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: July 1994 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):
4. REASONS FOR RESTRICTION (IF ANY):

	REPORTING PERIOD DATA		
	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
5. REACTOR CRITICAL TIME (HOURS)	663.7	1,813.7	63,140.6
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	609.6	1,630.1	61,643.8
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWhT)	1,099,117	4,111,720	181,437,357
10. ELECTRICAL ENERGY GENERATED (MWe-Gross)	334,093	1,345,401	60,599,772
11. ELECTRICAL ENERGY GENERATED (MWe-Net)	317,969	1,254,876	58,103,630
12. REACTOR SERVICE FACTOR (%)	89.2	35.7	68.1
13. REACTOR AVAILABILITY FACTOR (%)	89.2	35.7	69.8
14. UNIT SERVICE FACTOR (%)	81.9	32.0	66.4
15. UNIT AVAILABILITY FACTOR (%)	81.9	32.0	66.4
16. UNIT CAPACITY FACTOR (USING MDC) (%)	41.3	23.8	60.4
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	39.6	22.9	58.1
18. UNIT FORCED OUTAGE FACTOR (%)	18.1	33.0	8.4

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

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

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

DOCKET NO. 050-373
UNIT LASALLE ONE
DATE August 10, 1994
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

REPORT PERIOD: July 1994

DAY	POWER	DAY	POWER
1	142	17	302
2	220	18	307
3	286	19	305
4	280	20	302
5	43	21	302
6	-12	22	309
7	197	23	497
8	219	24	861
9	-12	25	846
10	-12	26	1,069
11	1	27	1,034
12	267	28	1,075
13	298	29	1,073
14	312	30	1,068
15	306	31	1,059
16	306		

TABLE 3

D.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>
6	940705	F	23.7	A	3	Reactor scram due to loss of the reactor water level control. (LER # 94-010)
7	940708	F	56.6	H	3	Reactor scram due to a feedwater signal spike. (LER # 94-011)

SUMMARY OF OPERATION:

The unit entered the month at low power following a return to service from a scheduled refueling outage. The unit was ramping up in power when on 07/05/95 a reactor scram occurred due to reactor water level control signal loss. The unit was returned to service on 07/07/94. The unit was again ramping up in power when a second reactor scram occurred on 07/08/94 due to a feedwater signal spike. The unit was returned to service on 07/11/94. The unit ramped up in power and remained at high power for the remainder of the month.

LASALLE NUCLEAR POWER STATION

UNIT 2

MONTHLY PERFORMANCE REPORT

JULY 1994

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

TABLE OF CONTENTS
(UNIT 2)

- I. INTRODUCTION
- II. REPORT
 - A. SUMMARY OF OPERATING EXPERIENCE
 - B. AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS
 - 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 2427.

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 1130 Mwe.
10	0600	Reduced power level to 890 Mwe due to system load.
	1200	Increased power level to 1125 Mwe.
11	0300	Reduced power level to 970 Mwe due to system load.
	0900	Increased power level to 1125 Mwe.
18	0400	Reduced power level to 1000 Mwe due to system load.
	1000	Increased power level to 1118 Mwe.
24	0700	Reduced power level to 860 Mwe due to system load.
	1100	Increased power level to 1118 Mwe.
31	2400	Reactor critical, Generator on-line at 1118 Mwe.

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

C. 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 August 10, 1994
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: July 1994 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):

4. REASONS FOR RESTRICTION (IF ANY):

	REPORTING PERIOD DATA		
	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
5. REACTOR CRITICAL TIME (HOURS)	744.0	4,778.1	61,703.7
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	744.0	4,692.4	60,574.7
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWhT)	2,460,123	15,060,126	183,160,579
10. ELECTRICAL ENERGY GENERATED (MWe-Gross)	826,549	5,117,166	61,101,806
11. ELECTRICAL ENERGY GENERATED (MWe-Net)	799,162	4,960,373	58,716,264
12. REACTOR SERVICE FACTOR (%)	100.0	93.9	71.9
13. REACTOR AVAILABILITY FACTOR (%)	100.0	93.9	73.9
14. UNIT SERVICE FACTOR (%)	100.0	92.2	70.6
15. UNIT AVAILABILITY FACTOR (%)	100.0	92.2	70.6
16. UNIT CAPACITY FACTOR (USING MDC) (%)	103.7	94.1	66.1
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	99.6	90.5	63.5
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	2.3	10.8

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

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

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

DOCKET NO. 050-374
UNIT LASALIF TWO
DATE August 10, 1994
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

REPORT PERIOD: July 1994

DAY	POWER	DAY	POWER
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1	1,083	17	1,074
2	1,086	18	1,057
3	1,085	19	1,074
4	1,084	20	1,075
5	1,081	21	1,074
6	1,074	22	1,079
7	1,072	23	1,077
8	1,075	24	1,050
9	1,080	25	1,074
10	1,045	26	1,078
11	1,055	27	1,079
12	1,080	28	1,079
13	1,079	29	1,075
14	1,078	30	1,070
15	1,078	31	1,073
16	1,075		

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)
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(None)

SUMMARY OF OPERATION:

The unit remained on-line at high power throughout the month. Minor reductions in power were required due to system loading.