



Commonwealth Edison  
LaSalle County Nuclear Station  
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Marseilles, Illinois 61341  
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October 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 September, 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.  
GE Representative - LaSalle  
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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

September 1994

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. 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 1120 Mwe.
2	0330	Reduced power level to 1050 Mwe due to system load.
	0700	Increased power level to 1125 Mwe.
	1400	Reduced power level to 850 Mwe due to system load.
3	1000	Increased power level to 1126 Mwe.
4	0400	Reduced power level to 900 Mwe due to system load.
	1200	Increased power level to 1130 Mwe.
5	0100	Reduced power level to 900 Mwe due to system load.
	1200	Increased power level to 1130 Mwe.
	2330	Reduced power level to 950 Mwe due to system load.
6	0800	Increased power level to 1130 Mwe.
18	0530	Reduced power level to 1045 Mwe to take the '1A' Circulating Water pump off-line for oil sampling.
	1100	Increased power level to 1130 Mwe.
21	0300	Reduced power level to 1020 Mwe due to system load.
	0900	Increased power level to 1125 Mwe.
29	2330	Reduced power level to 1000 Mwe due to system load.
30	0700	Increased power level to 1135 Mwe.
	2400	Reactor critical, Generator on-line at 1135 Mwe.

- B. AMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATION  
(None)
- C. LICENSEE EVENT REPORTS (Unit 1)  
(None)
- 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 October 10, 1994  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD:	September 1994	GROSS HOURS IN REPORTING PERIOD	720
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)	720.0	3,277.7	64,604.6
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	720.0	3,094.1	63,107.8
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWht)	2,364,883	8,926,872	186,252,509
10. ELECTRICAL ENERGY GENERATED (MWHe-Gross)	797,037	2,963,933	62,218,304
11. ELECTRICAL ENERGY GENERATED (MWHe-Net)	769,900	2,818,030	59,666,784
12. REACTOR SERVICE FACTOR (%)	100.0	50.0	68.5
13. REACTOR AVAILABILITY FACTOR (%)	100.0	50.0	70.3
14. UNIT SERVICE FACTOR (%)	100.0	47.2	67.0
15. UNIT AVAILABILITY FACTOR (%)	100.0	47.2	67.0
16. UNIT CAPACITY FACTOR (USING MDC) (%)	103.2	41.5	61.1
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	99.2	39.9	58.7
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	20.6	8.2

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

REPORT PERIOD: September 1994

DAY	POWER	DAY	POWER
1	1,081	17	1,076
2	1,005	18	1,069
3	1,010	19	1,078
4	1,053	20	1,074
5	1,031	21	1,068
6	1,044	22	1,083
7	1,081	23	1,086
8	1,081	24	1,086
9	1,079	25	1,084
10	1,067	26	1,083
11	1,069	27	1,085
12	1,066	28	1,088
13	1,072	29	1,085
14	1,075	30	1,064
15	1,076	31	
16	1,082		



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>
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(None)

## SUMMARY OF OPERATION:

The unit remained on line at high power throughout the month. Several minor power reductions were required due to system load and surveillance activities.

LASALLE NUCLEAR POWER STATION

UNIT 2

MONTHLY PERFORMANCE REPORT

September 1994

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

TABLE OF CONTENTS  
(UNIT 2)

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B. AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

C. LICENSEE EVENT REPORTS

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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 1110 Mwe.
2	0000	Reduced power level to 740 Mwe to perform a rod set.
	0600	Increased power level to 1125 Mwe.
3	0130	Reduced power level to 1000 Mwe.
	0600	Increased power level to 1125 Mwe.
5	0100	Reduced power level to 1000 Mwe due to system load.
	1000	Increased power level to 1130 Mwe.
	2300	Reduced power level to 950 Mwe due to system load.
6	1000	Increased power level to 1130 Mwe.
7	0030	Reduced power level to 840 Mwe due to system load.
	1000	Increased power level to 1130 Mwe.
9	2330	Reduced power level to 850 Mwe for surveillance activities.
10	0700	Reduced power level to 630 Mwe due to loss of the '26A' Feedwater Heater.
	1900	Increased power level to 1000 Mwe.
11	1300	Increased power level to 1115 Mwe.
12	0700	Reduced power level to 1000 Mwe to perform a rod set.
	1100	Increased power level to 1118 Mwe.
18	0230	Reduced power level to 900 Mwe due to system load.
	1200	Increased power level to 1120 Mwe.
22	0100	Reduced power level to 825 Mwe to perform a rod set.
	0800	Increased power level to 1130 Mwe.
26	1000	Reduced power level to 800 Mwe for maintenance on the '2A' Condensate/Condensate Booster Pump with the '2D' Condensate/Condensate Booster Pump in standby (high vibration levels).
	1300	Increased power level to 840 Mwe.
30	2400	Reactor critical, Generator on-line at 840 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 October 10, 1994  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

OPERATING STATUS

1. REPORTING PERIOD: September 1994 GROSS HOURS IN REPORTING PERIOD: 720  
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)	720.0	6,183.9	63,109.5
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	720.0	6,023.5	61,905.8
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWhT)	2,243,119	19,303,479	187,403,932
10. ELECTRICAL ENERGY GENERATED (MWe-Gross)	755,874	6,539,768	62,524,408
11. ELECTRICAL ENERGY GENERATED (MWe-Net)	729,930	6,333,656	60,089,547
12. REACTOR SERVICE FACTOR (%)	100.0	94.4	72.3
13. REACTOR AVAILABILITY FACTOR (%)	100.0	94.4	74.3
14. UNIT SERVICE FACTOR (%)	100.0	91.9	71.0
15. UNIT AVAILABILITY FACTOR (%)	100.0	91.9	71.0
16. UNIT CAPACITY FACTOR (USING MDC) (%)	97.9	93.3	66.5
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	94.0	89.7	63.9
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	3.9	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 LASALLE TWO  
DATE October 10, 1994  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

REPORT PERIOD: September 1994

DAY	POWER	DAY	POWER
1	965	17	1,081
2	1,018	18	1,026
3	1,074	19	1,078
4	1,086	20	1,077
5	1,051	21	1,079
6	1,048	22	1,050
7	1,041	23	1,086
8	1,084	24	1,088
9	1,083	25	1,088
10	735	26	943
11	1,040	27	812
12	1,066	28	801
13	1,072	29	802
14	1,078	30	800
15	1,079	31	
16	1,081		



TABLE 3

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

YEARLY SEQUENTIAL NUMBER	DATE (YYMMDD)	TYPE P: 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 due to system load and maintenance activities.