



Commonwealth Edison  
LaSalle County Nuclear Station  
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September 12, 1994

U.S. Nuclear Regulatory Commission  
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Washington, D.C. 20555

Enclosed for your information is the monthly performance report covering  
LaSalle County Nuclear Power Station for ~~July~~ 1994.

*August*

D. J. Ray  
Station Manager  
LaSalle County Station

DJR/tmb

Enclosure

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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

August 1994

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-373

LICENSE NO. NPF-11

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(UNIT 1)

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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 1110 Mwe.
2	0000	Reduced power level to 676 Mwe for performance of a Reactor Recirculation system surveillance.
	0900	Increased power level to 1122 Mwe.
7	0200	Reduced power level to 1000 due to system load.
	1200	Increased power level to 1120 Mwe.
9	0200	Reduced power level to 890 Mwe due to system load.
	0700	Increased power level to 1125 Mwe.
13	0100	Reduced power level to 850 Mwe to transfer the Condensate/Condensate Booster pumps and to perform a heater bay inspection.
	0700	Increased power level to 1125 Mwe.
14	2300	Reduced power level to 890 Mwe to transfer the Condensate/Condensate Booster pumps and to perform a heater bay inspection.
	0700	Increased power level to 1125 Mwe.
16	0230	Reduced power level to 890 Mwe to transfer the Condensate/Condensate Booster pumps.
	1100	Increased power level to 1120 Mwe.
31	2400	Reactor critical, generator on-line at 1120 Mwe.

B. AMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATION

License change to approve the lack of a Main Steam Line high radiation trip of the condenser mechanical vacuum pump.

C. LICENSEE EVENT REPORTS (Unit 1)

<u>LER Number</u>	<u>Date</u>	<u>Description</u>
94-012	08/15/94	Untested contacts in the Neutron Monitoring and the Reactor Protection systems.

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

OPERATING STATUS

1. REPORTING PERIOD:	August 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)	744.0	2,557.7	63,884.6
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	744.0	2,374.1	62,387.8
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWht)	2,450,269	6,561,989	183,887,626
10. ELECTRICAL ENERGY GENERATED (MWe-Gross)	821,495	2,166,896	61,421,267
11. ELECTRICAL ENERGY GENERATED (MWe-Net)	793,254	2,048,130	58,896,884
12. REACTOR SERVICE FACTOR (%)	100.0	43.9	68.3
13. REACTOR AVAILABILITY FACTOR (%)	100.0	43.9	70.1
14. UNIT SERVICE FACTOR (%)	100.0	40.7	66.7
15. UNIT AVAILABILITY FACTOR (%)	100.0	40.7	66.7
16. UNIT CAPACITY FACTOR (USING MDC) (%)	102.9	33.9	60.8
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	98.9	32.6	58.4
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	25.3	8.3

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

REPORT PERIOD: August 1994

DAY	POWER	DAY	POWER
1	1,067	17	1,073
2	994	18	1,070
3	1,070	19	1,074
4	1,075	20	1,077
5	1,078	21	1,076
6	1,077	22	1,073
7	1,044	23	1,073
8	1,077	24	1,075
9	1,074	25	1,070
10	1,036	26	1,065
11	1,081	27	1,065
12	1,079	28	1,067
13	1,050	29	1,065
14	1,075	30	1,072
15	1,030	31	1,080
16	1,071		



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)
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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

August 1994

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

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(UNIT 2)

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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 1112 Mwe.
20	0030	Reduced power level to 850 Mwe due to system load.
	0800	Increased power level to 1120 Mwe.
25	0328	Reactor scram due to spurious opening of a Main Steam bypass valve.
27	1342	Reactor critical.
30	1623	Generator on-line at 60 Mwe.
31	0400	Power level at 400 Mwe.
	1700	Power level at 1115 Mwe.
	2400	Reactor critical, Generator on-line at 1110 Mwe.

### B. AMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATION

License change to approve the lack of a Main Steam Line high radiation trip of the condenser mechanical vacuum pump.

### C. LICENSEE EVENT REPORTS (Unit 2)

<u>LER Number</u>	<u>Date</u>	<u>Description</u>
94-005	08/08/94	Failure of the Reactor Core Isolation Cooling system turbine exhaust diaphragm pressure switch.
94-006	08/25/94	Reactor scram due to spurious opening of the 2B21-MSBPV01 bypass valve.

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

OPERATING STATUS

1. REPORTING PERIOD: August 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)	685.8	5,463.9	62,389.5
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	611.1	5,303.5	61,185.8
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWhT)	2,000,234	17,060,360	185,160,813
10. ELECTRICAL ENERGY GENERATED (MWe-Gross)	666,728	5,783,894	61,768,534
11. ELECTRICAL ENERGY GENERATED (MWe-Net)	643,353	5,603,726	59,359,617
12. REACTOR SERVICE FACTOR (%)	92.2	93.7	72.1
13. REACTOR AVAILABILITY FACTOR (%)	92.2	93.7	74.1
14. UNIT SERVICE FACTOR (%)	82.1	91.0	70.7
15. UNIT AVAILABILITY FACTOR (%)	82.1	91.0	70.7
16. UNIT CAPACITY FACTOR (USING MDC) (%)	83.5	92.8	66.2
17. UNIT CAPACITY FACTOR (USING DESIGN MWe) (%)	80.2	89.1	63.6
18. UNIT FORCED OUTAGE FACTOR (%)	17.9	4.4	10.9

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

REPORT PERIOD: August 1994

DAY	POWER	DAY	POWER
1	1,076	17	1,073
2	1,074	18	1,071
3	1,074	19	1,076
4	1,078	20	1,051
5	1,082	21	1,080
6	1,084	22	1,073
7	1,083	23	1,075
8	1,081	24	1,078
9	1,078	25	147
10	1,083	26	-12
11	1,086	27	-12
12	1,081	28	-12
13	1,078	29	-12
14	1,083	30	55
15	1,081	31	800
16	1,077		

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>
5	940825	F	132.9	A	3	Reactor Scram due to spurious opening of a Main Steam Line bypass valve. LER# 94-006

## SUMMARY OF OPERATION:

The unit remained on-line at high power throughout most of the month. On 08/25/94 the unit experienced a scram due to spurious opening of a Main Steam line bypass valve. The unit was returned to service on 08/30/94.