



Commonwealth Edison  
LaSalle County Nuclear Station  
Rural Route #1, Box 220  
Marseilles, Illinois 61341  
Telephone 815/357-6761

May 10, 1993

Director of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D.C. 20555

ATTN: Document Control Desk

Gentlemen:

Enclosed for your information is the monthly performance report covering  
LaSalle County Nuclear Power Station for April 1993.

Very truly yours

Gary F. Spedl  
Station Manager  
LaSalle County Station

Enclosure

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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

APRIL 1993

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 2427.

## II. MONTHLY REPORT

### A. SUMMARY OF OPERATING EXPERIENCE (Unit 1)

Day	Time	Event
1	0000	Reactor critical, Generator on-line at 1000 Mwe, main turbine testing in progress.
	0600	Increased power level to 1135 Mwe.
	2400	Reduced power level to 1000 Mwe to perform main turbine testing.
2	0130	Increased power level to 1100 Mwe.
7	0200	Reduced power level to 750 Mwe to perform rod set.
	1200	Increased power level to 1130 Mwe.
11	0100	Reduced power level to 990 Mwe due to system load.
	1100	Increased power level to 1135 Mwe.
13	0200	Reduced power level to 995 Mwe to perform weekly surveillances.
	1000	Increased power level to 1130 Mwe.
14	0500	Reduced power level to 1000 Mwe due to low condensate pump suction pressure.
15	0100	Reduced power level to 600 Mwe to transfer the condensate pumps.
16	2200	Increased power level to 1130 Mwe.
18	0230	Reduced power level to 900 Mwe due to system load.
	1200	Increased power level to 1135 Mwe.
20	0100	Reduced power level to 900 Mwe due to system load, performed weekly surveillances.
	1300	Increased power level to 1130 Mwe.
21	0400	Reduced power level to 960 Mwe due to system load.
	1100	Increased power level to 1130 Mwe.
22	0030	Reduced power level to 950 Mwe due to system load.
	1100	Increased power level to 1130 Mwe.
	1600	Reduced power level to 1070 Mwe due to system load.

## II. MONTHLY REPORT

### A. SUMMARY OF OPERATING EXPERIENCE (Unit 1)

<u>Day</u>	<u>Time</u>	<u>Event</u>
22	2230	Increased power level to 1130 Mwe.
23	0200	Reduced power level to 850 Mwe due to system load.
	0600	Increased power level to 1120 Mwe.
	0840	Manual reactor scram due to a feedwater transient.
24	1245	Reactor critical.
	2000	Generator on-line at 100 Mwe.
	2300	Increased power level to 200 Mwe.
25	0900	Increased power level to 800 Mwe.
26	0800	Increased power level to 1000 Mwe.
	1130	Reduced power level to 850 Mwe, performed rod set.
	2000	Increased power level to 1125 Mwe.
28	0030	Reduced power level to 750 Mwe, performed rod set.
	1200	Increased power level to 1125 Mwe.
30	2400	Reactor critical, Generator on-line at 1125 Mwe.

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

C. MAJOR CORRECTIVE MAINTENANCE TO SAFETY-RELATED EQUIPMENT  
(None)

SOR differential pressure switch failure reports  
(None)

D. LICENSEE EVENT REPORTS (Unit 1)

<u>LER Number</u>	<u>Date</u>	<u>Description</u>
93-010-00	04/14/93	Diesel generator cooling water pump automatic trip.
93-011-00	04/23/93	Manual reactor scram due to a loss of feedwater feedwater during a feedwater heater transient.

E. 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)

F. UNIQUE REPORTING REQUIREMENTS (UNIT 1)

1. Safety Relief Valve Operations  
(None)
2. ECCS System Outages

Note: The year and unit data has been removed from the outage number.

<u>OUTAGE NO.</u>	<u>EQUIPMENT</u>	<u>PURPOSE</u>
0374	1E51-C003	Pump replacement

3. Changes to the Off-Site Dose Calculation Manual  
(None)
4. Major Changes to Radioactive Waste Treatment Systems  
(None)
5. Indications of Failed Fuel Elements  
(None)

TABLE 1  
E.1 OPERATING DATA REPORT

DOCKET NO. 050-373  
UNIT LASALLE ONE  
DATE May 10, 1993  
COMPLETED BY M.J.CIALKOWSKI  
TELEPHONE (815) 357-6761

OPERATING STATUS

1. REPORTING PERIOD: April 1993  
GROSS HOURS IN REPORTING PERIOD: 719
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3,323  
MAX DEPENDABLE 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. REASON FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. REACTOR CRITICAL TIME (HOURS)	690.9	2,038.2	55,962.9
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	683.7	1,768.8	54,676.4
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWh <sub>t</sub> )	2,166,637	5,267,075	160,327,233
10. ELECTRICAL ENERGY GENERATED (MWh <sub>e</sub> -Gross)	734,676	1,755,630	53,547,979
11. ELECTRICAL ENERGY GENERATED (MWh <sub>e</sub> -Net)	710,167	1,682,537	51,330,627
12. REACTOR SERVICE FACTOR (%)	96.1	70.8	68.4
13. REACTOR AVAILABILITY FACTOR (%)	96.1	70.8	70.4
14. UNIT SERVICE FACTOR (%)	95.1	61.4	66.8
15. UNIT AVAILABILITY FACTOR (%)	95.1	61.4	66.8
16. UNIT CAPACITY FACTOR (USING MDC) (%)	95.3	56.4	60.6
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	91.6	54.2	58.2
18. UNIT FORCED OUTAGE FACTOR (%)	4.9	18.4	7.3

19. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
No Outages Scheduled

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



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

DOCKET NO. 050-373  
UNIT LASALLE ONE  
DATE May 10, 1993  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

REPORT PERIOD: April 1993

DAY	POWER	DAY	POWER
1	1,085	17	1,092
2	1,081	18	1,038
3	1,089	19	1,089
4	1,024	20	1,042
5	1,095	21	1,065
6	1,091	22	1,042
7	1,002	23	344
8	1,091	24	14
9	1,089	25	659
10	1,089	26	958
11	1,056	27	1,050
12	1,091	28	1,014
13	1,056	29	1,089
14	985	30	1,088
15	989	31	
16	1,094		

TABLE 3

E.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/DVR # if applicable)
9	930423	F	35.3	A	2	Manual reactor scram due to a feedwater heater transient. (LER#93-011-00 DVR#01-01-93--0032)

## SUMMARY OF OPERATION:

The unit entered the month on line at high power. The unit experienced a forced outage due to a feedwater heater transient. The unit was returned to service on 04/24/93. For the remainder of the month the unit remained on-line at high power. Several minor power reductions were required during the month due to system loading, maintenance and surveillance activities.

LASALLE NUCLEAR POWER STATION

UNIT 2

MONTHLY PERFORMANCE REPORT

APRIL 1993

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

TABLE OF CONTENTS  
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3. Off-Site Dose Calculation Manual Changes
4. Major Changes to Radioactive Waste Treatment System
5. Indications of Failed Fuel Elements

## 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)

Day	Time	Event
1	0000	Reactor critical, Generator on-line at 1130 Mwe.
8	0030	Reduced power level to 900 Mwe, performed monthly surveillances and rod set.
10	2330	Reduced power level to 755 Mwe to perform a rod set.
12	1630	Increased power level to 1135 Mwe.
14	0030	Reduced power level to 995 Mwe to perform monthly surveillances.
	1100	Increased power level to 1135 Mwe.
17	0245	Reduced power level to 1090 Mwe due to system load.
	0800	Increased power level to 1135 Mwe.
21	0200	Reduced power level to 995 Mwe to perform monthly surveillances.
	1200	Increased power level to 1135 Mwe.
25	0630	Reduced power level to 930 Mwe due to system load.
	2330	Reduced power level to 900 Mwe due to system load.
26	1200	Increased power level to 1135 Mwe.
30	2400	Reactor critical, Generator on-line at 1127 Mwe.

- B. AMMENDMENTS TO THE FACILITY OR TECHNICAL SPECIFICATION  
(None)
- C. MAJOR CORRECTIVE MAINTENANCE TO SAFETY-RELATED EQUIPMENT (including  
SOR differential pressure switch failure reports ).  
(See Table 1)
- D. LICENSEE EVENT REPORTS (Unit 2)  
(None)
- E. DATA TABULATIONS (Unit 2)
  - 1. Operating Data Report (See Table 2)
  - 2. Average Daily Unit Power Level (See Table 3)
  - 3. Unit Shutdowns and Significant Power Reductions (See Table 4)
- F. UNIQUE REPORTING REQUIREMENTS (UNIT 2)
  - 1. Safety Relief Valve Operations  
(None)
  - 2. ECCS System Outages

Note: The year and unit data has been removed from the outage number.

<u>OUTAGE NO.</u>	<u>EQUIPMENT</u>	<u>PURPOSE</u>
0304	2E22-S001	Repair/replace lockout relays
0327	2E12-D300A	Repair line leak and megger motors

- 3. Changes to the Off-Site Dose Calculation Manual  
(None)
- 4. Major Changes to Radioactive Waste Treatment Systems  
(None)
- 5. Indications of Failed Fuel Elements  
(None)

C. TABLE 1 (Unit 2)

MAJOR CORRECTIVE MAINTENANCE TO  
SAFETY-RELATED EQUIPMENT

<u>WORK REQUEST</u>	<u>COMPONENT</u>	<u>CAUSE OF MALFUNCTION</u>	<u>RESULTS AND EFFECTS ON SAFE PLANT OPERATION</u>	<u>CORRECTIVE ACTION</u>
L21536	High Pressure Core Spray Trip level Transmitter 2B21-N409A	Loss of sensing module fill oil	Transmitter exhibited a shift of 3%	Replaced transmitter
L22301	Diesel Room HVAC Supply Fan 2VD03C	Overload relay	Vent fan breaker tripping	Replaced relay

(No SOR failures this month.)



TABLE 2  
E.1 OPERATING DATA REPORT

DOCKET NO. 050-373  
UNIT LASALLE TWO  
DATE May 10, 1993  
COMPLETED BY M.J.CIALKOWSKI  
TELEPHONE (815) 357-6761

OPERATING STATUS

1. REPORTING PERIOD: April 1993  
GROSS HOURS IN REPORTING PERIOD: 719
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3,323  
MAX DEPENDABLE 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. REASON FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. REACTOR CRITICAL TIME (HOURS)	719.0	2,879.0	53,892.5
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	719.0	2,879.0	52,935.4
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWht)	2,309,099	9,275,125	159,290,012
10. ELECTRICAL ENERGY GENERATED (MWhe-Gross)	785,800	3,157,019	53,058,328
11. ELECTRICAL ENERGY GENERATED (MWhe-Net)	760,343	3,052,731	50,965,664
12. REACTOR SERVICE FACTOR (%)	100.0	100.0	72.0
13. REACTOR AVAILABILITY FACTOR (%)	100.0	100.0	74.3
14. UNIT SERVICE FACTOR (%)	100.0	100.0	70.8
15. UNIT AVAILABILITY FACTOR (%)	100.0	100.0	70.8
16. UNIT CAPACITY FACTOR (USING MDC) (%)	102.1	102.3	65.8
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	98.1	98.4	63.2
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	0.0	12.0

19. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
Refuel, 09/04/93, 11 Weeks

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

TABLE 3  
E.2 AVERAGE DAILY UNIT POWER LEVEL (MWe-Net)

DOCKET NO. 050-373  
UNIT LASALLE TWO  
DATE May 10, 1993  
COMPLETED BY M.J. CIALKOWSKI  
TELEPHONE (815)-357-6761

REPORT PERIOD: April 1993

DAY	POWER	DAY	POWER
1	1,097	17	1,092
2	1,098	18	1,096
3	1,096	19	1,095
4	1,050	20	1,095
5	1,093	21	1,080
6	1,096	22	1,092
7	1,087	23	1,090
8	898	24	1,088
9	918	25	950
10	915	26	1,037
11	903	27	1,091
12	1,013	28	1,094
13	1,091	29	1,093
14	1,058	30	1,089
15	1,092	31	
16	1,095		

TABLE 4

E.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/DVR # 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 loading, maintenance and surveillance activities.