



Commonwealth Edison
LaSalle County Nuclear Station
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Marseilles, Illinois 61341
Telephone 815/357-0761

September 17, 1993

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 August 1993.

M. Reed ^{for}
Joseph V. Schmeltz
Acting Station Manager
LaSalle County Station

JVS/tmb

Enclosure

cc: Regional Administrator - Region III
NRC Senior Resident Inspector - LaSalle
IL Department of Nuclear Safety - LaSalle
NRR Project Manager - LaSalle
GE Representative - LaSalle
Regulatory Assurance Supervisor - LaSalle
Manager of Nuclear Licensing - Downers Grove
Nuclear Fuel Services Manager - General Office
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LASALLE NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

AUGUST 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)

<u>Day</u>	<u>Time</u>	<u>Event</u>
1	0000	Reactor critical, Generator on-line at 1100 Mwe.
	0400	Reduced power level to 850 Mwe due to system load.
	0700	Increased power level to 1070 Mwe.
2	0000	Reduced power level to 850 Mwe due to system load.
	0500	Increased power level to 1070 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
3	0500	Increased power level to 1070 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
4	0430	Increased power level to 1070 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
5	0400	Increased power level to 1070 Mwe.
	2300	Reduced power level to 950 Mwe due to system load.
6	0400	Increased power level to 1070 Mwe.
	2200	Reduced power level to 850 Mwe due to system load.
7	0700	Increased power level to 1070 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
8	0700	Increased power level to 1070 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
9	0500	Increased power level to 1070 Mwe.
	0100	Reduced power level to 850 Mwe due to system load.
10	0400	Increased power level to 1070 Mwe.
	0100	Reduced power level to 850 Mwe due to system load.
11	0500	Increased power level to 1070 Mwe.
	0100	Reduced power level to 850 Mwe due to system load.
12	0630	Increased power level to 1070 Mwe.
	0100	Reduced power level to 850 Mwe due to system load.
13	0600	Increased power level to 1070 Mwe.
	0100	Reduced power level to 850 Mwe due to system load.
14	0600	Increased power level to 1070 Mwe.
	0200	Reduced power level to 850 Mwe due to system load.
15	0700	Increased power level to 1070 Mwe.
	0000	Reduced power level to 900 Mwe due to system load.

II. MONTHLY REPORT

A. SUMMARY OF OPERATING EXPERIENCE (Unit 1)

<u>Day</u>	<u>Time</u>	<u>Event</u>
19	2300	Reduced power level to 730 Mwe to perform scram time testing.
20	1100	Increased power level to 1070 Mwe.
22	0300	Reduced power level to 950 Mwe due to system load.
	0700	Increased power level to 1070 Mwe.
23	2300	Reduced power level to 900 Mwe due to system load.
24	0400	Increased power level to 1080 Mwe.
25	0100	Reduced power level to 850 Mwe due to system load.
	0600	Increased power level to 1080 Mwe.
28	0100	Reduced power level to 950 Mwe, placed the 'A' Turbine Driven Reactor Feed Pump off-line for maintenance.
	0500	Increased power level to 1000 Mwe.
29	0000	Reduced power level to 850 Mwe due to system load.
	0500	Increased power level to 1000 Mwe.
30	0030	Reduced power level to 900 Mwe due to system load.
	0500	Increased power level to 1000 Mwe.
	2100	Reduced power level to 850 Mwe due to system load, placed the 'A' Turbine Driven Reactor Feed Pump on-line.
31	0300	Increased power level to 1070 Mwe.
	2400	Reactor critical, Generator on-line at 1070 Mwe.

B. AMENDMENTS 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 1)

<u>LER Number</u>	<u>Date</u>	<u>Description</u>
93-014-00	08/30/93	Mechanical vacuum pump design discrepancy with Updated Final Safety Analysis.

E. DATA TABULATIONS (Unit 1)

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 1)

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

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

<u>OUTAGE NO.</u>	<u>EQUIPMENT</u>	<u>PURPOSE</u>
0449	ODG01P	Troubleshoot pump trip.
0608 0613	1E51-C003	Replace water leg pump.

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 1)

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>
L22187	Control Room HVAC Refrigerant Compressor 0VC05CA	Shaft seal leakage	None	Replaced shaft seal
L23817	Intermediate Range Monitor Channel B	Preregulator	No indication	Replaced preregulator.

(No SOR failures this month.)

TABLE 2
E.1 OPERATING DATA REPORT

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

OPERATING STATUS

1. REPORTING PERIOD: August 1993
GROSS HOURS IN REPORTING PERIOD: 744
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):
4. REASON FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
	-----	-----	-----
5. REACTOR CRITICAL TIME (HOURS)	744.0	4,990.2	58,914.9
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,641.2
7. GENERATOR ON-LINE TIME (HOURS)	744.0	4,720.8	57,628.4
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1.0
9. THERMAL ENERGY GENERATED (MWh _t)	2,355,425	14,630,924	169,691,082
10. ELECTRICAL ENERGY GENERATED (MWh _e -Gross)	775,024	4,868,043	56,660,392
11. ELECTRICAL ENERGY GENERATED (MWh _e -Net)	746,602	4,687,067	54,335,157
12. REACTOR SERVICE FACTOR (%)	100.0	85.6	69.5
13. REACTOR AVAILABILITY FACTOR (%)	100.0	85.6	71.4
14. UNIT SERVICE FACTOR (%)	100.0	81.0	68.0
15. UNIT AVAILABILITY FACTOR (%)	100.0	81.0	68.0
16. UNIT CAPACITY FACTOR (USING MDC) (%)	96.9	77.6	61.9
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	93.1	74.6	59.5
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	7.8	7.0

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

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

REPORT PERIOD: August 1993

DAY	POWER	DAY	POWER
1	983	17	1,051
2	995	18	1,053
3	993	19	1,044
4	1,004	20	943
5	1,010	21	1,047
6	1,004	22	1,024
7	980	23	1,049
8	974	24	1,011
9	1,001	25	1,007
10	1,018	26	1,047
11	1,026	27	1,046
12	996	28	948
13	990	29	895
14	979	30	921
15	1,005	31	1,005
16	1,058		

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 - 2. ECCS System Outages
 - 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.

LASALLE NUCLEAR POWER STATION

UNIT 2

MONTHLY PERFORMANCE REPORT

AUGUST 1993

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-374

LICENSE NO. NPF-18

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 1036 Mwe.
	0530	Reduced power level to 820 Mwe, inserted control rod 26-35.
	1130	Increased power level to 1000 Mwe.
2	1300	Reduced power level to 970 Mwe due to flow control valve drift.
3	0000	Reduced power level to 870 Mwe due to system load.
	0430	Increased power level to 1010 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
4	1000	Increased power level to 1030 Mwe.
	2130	Reduced power level to 850 Mwe due to system load, performed monthly surveillances.
5	0500	Increased power level to 1000 Mwe.
6	0000	Reduced power level to 850 Mwe due to system load.
	0500	Increased power level to 1000 Mwe.
7	0000	Reduced power level to 850 Mwe due to system load.
	0700	Increased power level to 1000 Mwe.
8	0000	Reduced power level to 830 Mwe due to system load.
	0730	Increased power level to 1000 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
9	0200	Increased power level to 950 Mwe.
	0600	Increased power level to 1000 Mwe.
	2300	Reduced power level to 850 Mwe due to system load.
10	0430	Increased power level to 980 Mwe.
11	0100	Reduced power level to 890 Mwe due to system load.
	0500	Increased power level to 980 Mwe.
15	0100	Reduced power level to 850 Mwe due to system load.
	0800	Increased power level to 950 Mwe.
16	0200	Reduced power level to 850 Mwe due to system load.
	0400	Increased power level to 950 Mwe.
20	1300	Reduced power level to 890 Mwe, placed the 'A' Turbine Driven Reactor Feed Pump off-line for maintenance.
	1400	Increased power level to 940 Mwe.
23	0000	Power level at 928 Mwe, unit coasting down.

II. MONTHLY REPORT

A. SUMMARY OF OPERATING EXPERIENCE (Unit 2)

<u>Day</u>	<u>Time</u>	<u>Event</u>
25	1700	Power level at 900 Mwe, performed tip set.
26	0700	Power level at 910 Mwe.
30	0000	Power level at 900 Mwe.
31	2400	Reactor critical, Generator on-line at 900 Mwe, unit in coast down.

B. AMENDMENTS 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 2)

<u>LER Number</u>	<u>Date</u>	<u>Description</u>
93-005	08/02/93	Diesel Generator air compressor relief valve lifted causing air receiver pressure to drop below 200 psig.
93-006	08/18/93	Breaker for the '0' Diesel Generator cooling water pump failed to close.

E. 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)

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>
0702	2DG08CB	Rebuild air compressor.

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 TWO
DATE September 10, 1993
COMPLETED BY M.J.CIALKOWSKI
TELEPHONE (815) 357-6761

OPERATING STATUS

1. REPORTING PERIOD: August 1993
GROSS HOURS IN REPORTING PERIOD: 744

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):

4. REASON FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
	-----	-----	-----
5. REACTOR CRITICAL TIME (HOURS)	744.0	5,645.3	56,658.8
6. REACTOR RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	1,716.9
7. GENERATOR ON-LINE TIME (HOURS)	744.0	5,623.2	55,679.5
8. UNIT RESERVE SHUTDOWN TIME (HOURS)	0.0	0.0	0.0
9. THERMAL ENERGY GENERATED (MWh _t)	2,136,320	17,733,688	167,748,575
10. ELECTRICAL ENERGY GENERATED (MWh _e -Gross)	702,368	5,972,053	55,873,362
11. ELECTRICAL ENERGY GENERATED (MWh _e -Net)	675,785	5,766,945	53,679,878
12. REACTOR SERVICE FACTOR (%)	100.0	96.8	72.9
13. REACTOR AVAILABILITY FACTOR (%)	100.0	96.8	75.1
14. UNIT SERVICE FACTOR (%)	100.0	96.4	71.6
15. UNIT AVAILABILITY FACTOR (%)	100.0	96.4	71.6
16. UNIT CAPACITY FACTOR (USING MDC) (%)	87.7	95.5	66.6
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	84.3	91.7	64.0
18. UNIT FORCED OUTAGE FACTOR (%)	0.0	0.0	11.5

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

DOCKET NO. 050-371
UNIT LASALLE TWO
DATE September 10, 1993
COMPLETED BY M.J. CIALKOWSKI
TELEPHONE (815)-357-6761

REPORT PERIOD: August 1993

DAY	POWER	DAY	POWER
1	911	17	914
2	974	18	909
3	950	19	909
4	924	20	901
5	940	21	902
6	941	22	900
7	926	23	898
8	916	24	894
9	939	25	882
10	931	26	870
11	932	27	869
12	936	28	864
13	927	29	858
14	920	30	852
15	895	31	861
16	913		

TABLE 3

E.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/DVR # 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 during the month due to system loading, maintenance and surveillance activities.

TABLE 4

E.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/DVR # 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 during the month due to system loading, maintenance and surveillance activities.