

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

AUGUST 1983

At the onset of the August 1983 reporting period, the reactor remained in the shutdown condition, which had commenced July 16, 1983.

On August 12, 1983, at 1442, the reactor was taken critical. At 1826 on August 13, the reactor was shutdown following the malfunction of the 1A Forced Circulation Pump (FCP) seal. Following replacement of the 1A FCP lower seal rings, the reactor was returned to critical at 0128 on August 20. At 0806 on August 21, the reactor was shutdown following malfunction of the 1B Forced Circulation Pump seal. Following maintenance on the 1B FCP seal, the reactor was taken critical at 2318 on August 25. At 1136 on August 27, the reactor was shutdown from 17% Reactor Rated Thermal Power, due to the malfunctioning of the Forced Circulation Pumps seals. The reactor remained shutdown for the remainder of the August 1983 reporting period.

Type C leakage tests were performing on the Containment Building pressure sensing lines following completion of a facility change. The leakage rates, which were acceptable, were:

C. B. Pressure Switch 37-35-701 .....0 SCFH

C. B. Pressure Switches 37-35-702 and 37-35-703.....0.0017 SCFH

Significant maintenance items performed during the August 1983 reporting period are included on the attached Instrument and Electrical Maintenance and Mechanical Maintenance listings.

The pre-refueling information questionnaire will be included on future monthly reports following rescheduling of the upcoming refueling outage.

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PDR ADOCK 05000409  
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OPERATING DATA REPORT

DOCKET NO. 50-409  
 DATE 09/07/83  
 COMPLETED BY L. S. GOODMAN  
 TELEPHONE 608-689-2331

OPERATING STATUS

1. Unit Name: La Crosse Boiling Water Reactor
2. Reporting Period: 0001, 08-01-83 to 2400, 08-31-83
3. Licensed Thermal Power (MW<sub>t</sub>): 165
4. Nameplate Rating (Gross MW<sub>e</sub>): 65.3
5. Design Electrical Rating (Net MW<sub>e</sub>): 50
6. Maximum Dependable Capacity (Gross MW<sub>e</sub>): 50
7. Maximum Dependable Capacity (Net MW<sub>e</sub>): 48
8. If Changes Occur in Capacity Ratings (Items 3 Through 7) Since Last Report, Give Reasons:

NOTES:

9. Power Level To Which Restricted, If Any (Net MW<sub>e</sub>):
10. Reasons for Restrictions, If Any:

	<u>This Month</u>	<u>Yr.-to-Date</u>	<u>Cumulative</u>
11. Hours In Reporting Period	744	5,831	121,250
12. Number Of Hours Reactor Was Critical	94.7	4,329.3	79,704.5
13. Reactor Reserve Shutdown Hours	0	0	478
14. Hours Generator On-Line	0	4,076.0	73,679.4
15. Unit Reserve Shutdown Hours	0	0	79
16. Gross Thermal Energy Generated (MWH)	457.0	598,233.4	10,120,776.5
17. Gross Electrical Energy Generated (MWH)	0	171,839	3,012,027
18. Net Electrical Energy Generated (MWH)	-591	159,909	2,785,877
19. Unit Service Factor	0	69.9	60.8
20. Unit Availability Factor	0	69.9	60.8
21. Unit Capacity Factor (Using MDC Net)	0	57.1	47.9
22. Unit Capacity Factor (Using DER Net)	0	54.9	46.0
23. Unit Forced Outage Rate	100.0	26.3	9.2
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Refueling, 6-8 Weeks

COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-409

UNIT LACBWR

DATE 09/07/83

COMPLETED BY L. S. Goodman

TELEPHONE 608-689-2331

MONTH AUGUST, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</u>		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-409  
 UNIT NAME LACBWR  
 DATE 09/07/83  
 COMPLETED BY L. S. GOODMAN  
 TELEPHONE 608-689-2331

REPORT MONTH AUGUST, 1983

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
83-08	07/16/83	F	744.0	A	3	83-07	WB	PIPEXX	Refer to July report. The majority of maintenance performed during August was on the Forced Circulation and Seal Inject Systems.

1  
 F: Forced  
 S: Scheduled

2  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

3  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Other (Explain)

4  
 Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5  
 Exhibit 1 - Same Source

## INSTRUMENT AND ELECTRICAL MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
SECURITY SYSTEM MICROWAVE	PREVENTIVE TEST	OUTAGE 83-08	TEST DUE	COMPLETED TEST	YEARLY TEST COMPLETED
SECURITY LAMPS	CORRECTIVE MR-0548	OUTAGE 83-08	USAGE	LAMPS BURNED OUT	REPLACED LAMPS
SECURITY RADIO	CORRECTIVE MR-0478/0586	OUTAGE 83-08	UNKNOWN	DIDN'T TRANSMIT	RADIO DEPARTMENT REPAIRED UNIT
SECURITY METAL DETECTOR	CORRECTIVE MR-0611	OUTAGE 83-08	MOVE OF EQUIPMENT	ALARMING	REBALANCED AMPLIFIER
SECURITY CAMERA #5	CORRECTIVE MR-0631	OUTAGE 83-08	USAGE	POOR PICTURE	REPLACED CAMERA
SECURITY METAL DETECTOR	CORRECTIVE MR-0632	OUTAGE 83-08	MOVE OF EQUIPMENT	ALARMING	REBALANCED AMPLIFIER
SECURITY METAL DETECTOR	CORRECTIVE MR-0624	OUTAGE 83-08	UNKNOWN	POOR PICTURE	REBALANCED AMPLIFIER
SECURITY ACCESS POINT 19	CORRECTIVE MR-0588	OUTAGE 83-08	UNKNOWN	ALARMING	BALANCED UNIT
SECURITY CAMERS 4, 8, 10, 7	CORRECTIVE MR-0468	OUTAGE 83-08	USAGE	ALARMING	REPLACED CAMERAS
SECURITY "E" FIELD 19-4	CORRECTIVE MR-0643	OUTAGE 83-08	UNKNOWN	ALARMING	ADJUSTED CONTROL UNIT
SECURITY "E" FIELD 19-6	CORRECTIVE MR-0640	OUTAGE 83-08	UNKNOWN	POOR PICTURE	BALANCED AMPLIFIER
RADIATION MONITOR AIR UNIT	CORRECTIVE MR-0545	OUTAGE 83-08	USAGE	ALARMING	AIRFLOW DIRTY, PLUGGED METER

## INSTRUMENT AND ELECTRICAL MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RADIATION MONITOR SPING	CORRECTIVE MR-0319/0411	OUTAGE 83-08	UNKNOWN	ALARMING	REPLACED CHIP IN ISOLATION BOARD
RADIATION HAND & FOOT MONITOR	CORRECTIVE MR-00619	OUTAGE 83-08	USAGE	NO DETECTION	REPLACED RADIATION DETECTOR
SEAL INJECT SYSTEM INSTRUMENTATION	PREVENTIVE MR-0546	OUTAGE 83-08	REQUEST	COMPLETED CHECK	COMPLETED CHECK
SAFETY SYSTEM CH 1, 2 & H <sub>2</sub> O#3	PREVENTIVE	OUTAGE 83-08	TEST DUE	COMPLETED TEST	COMPLETED TECH SPEC TESTS
NUCLEAR CH N-5 THROUGH N-9	PREVENTIVE	OUTAGE 83-08	TEST DUE	COMPLETED TEST	COMPLETED TECH SPEC TESTS
MOTOR MEGGER TESTING	PREVENTIVE	OUTAGE 83-08	FLOODING MOTORS	COMPLETED MOTOR TESTS	CLEANED ALL MOTORS IN SUB-BASEMENT
ENVIRONMENTAL METEOROLOGICAL EQUIPMENT	PREVENTIVE MR-0599	OUTAGE 83-08	TEST DUE	COMPLETED TEST	COMPLETED TEST
HYDROGEN MONITOR	CORRECTIVE MR-0602	OUTAGE 83-08	REQUEST	COMPLETED TEST	COMPLETED TEST
ESSENTIAL TIE BREAKER TEST	PREVENTIVE MR-0622	OUTAGE 83-08	TEST REQUEST	COMPLETED TEST	COMPLETED TEST
STEAM/FEED FLOW CALIBRATION	PREVENTIVE MR-0620	OUTAGE 83-08	REQUEST FOR CHECK	COMPLETED CHECK	COMPLETED CHECK
NUCLEAR CH N-6 DETECTOR	CORRECTIVE MR-0629	OUTAGE 83-08	USAGE	SHORTED DETECTOR	COMPLETED REPLACEMENT AND TEST
NUCLEAR CH N-6 CHASSIS	CORRECTIVE MR-0582	OUTAGE 83-08	USAGE	DEFECTIVE TUBES	REPLACED TUBES

## INSTRUMENT AND ELECTRICAL MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
IN-CORE DETECTOR MONITOR	CORRECTIVE MR-0554	OUTAGE 83-08	USAGE	INDICATION LOST	REPLACED LAMPS
DECAY HEAT BLOWDOWN VALVE	CORRECTIVE MR-0543	OUTAGE 83-08	MECHANICAL WORK	CHECK STROKE REQUEST	COMPLETED STROKING VALVE
REACTOR BUILDING PRESSURE SWITCH	FACILITY CHANGE NO. 37-83-6 MR-0544	OUTAGE 83-08	NA	RELOCATION OF SWITCH	COMPLETED FC REQUEST FOR RELOCATION
REACTOR BUILDING BREAKER MCC 1B/1C	CORRECTIVE MR-0569	OUTAGE 83-08	INCORRECT BREAKER INSTALLATION AND CONTACT ADJUSTMENT	NO TRIP OF BREAKERS	ADJUSTED CONTACTS/ INSTALLED NEW BREAKER
BORON INJECT VALVES	CORRECTIVE MR-0555	OUTAGE 83-08	MAINTENANCE OF VALVES	RESTROKE OF VALVES REQUESTED	COMPLETED STROKING VALVES
FORCED CIRCULATION PUMPS (FCP) 1A, 1B OIL PUMPS #1, #2	CORRECTIVE MR-0564	OUTAGE 83-08	MOTORS BURNED OUT	INOPERATIVE PUMPS	REPLACED MOTORS
CONTROL ROD DRIVE (CRD) SECONDARY POSITION #25	CORRECTIVE MR-0541	OUTAGE 83-08	USAGE	IMPROPER INDICATION	CLEANED CONTACTS ON RELAY
1B LOW PRESSURE SERVICE WATER AND CIRCULATING WATER PUMP MOTORS	CORRECTIVE MR-0647	OUTAGE 83-08	USAGE	CLEANING REQUIRED	REMOVED FOR CLEANING WINDINGS
CRD IN-OUT SWITCH	PREVENTIVE MR-0615	OUTAGE 83-08	PM DUE	REMOVE/REPLACE SWITCH	REPLACED SWITCH
CRD GAS PRESSURE #17 INDICATOR	CORRECTIVE MR-0577	OUTAGE 83-08	UNKNOWN	INCORRECT INDICATION	REPLACED PRESSURE TRANSDUCER
NUCLEAR INSTRUMENTATION CH N-6	CORRECTIVE MR-0346	OUTAGE 83-08	USAGE	LOW VOLTAGE INOPERATIVE	REPLACED TUBES

## INSTRUMENT AND ELECTRICAL MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
FCP SEAL DELTA PRESSURE INDICATION	PREVENTIVE MR-0580	OUTAGE 83-08	REQUEST CHECK	COMPLETED CHECK	COMPLETED CHECK
ENVIRONMENTAL STACK WIRING	PREVENTIVE MR-0510	OUTAGE 83-08	WEATHER	DETERIORATION OF INSULATION	REPAIRED INSULATION
WASTEWATE PUMP 1A GAUGE	CORRECTIVE MR-0583	OUTAGE 83-08	USAGE	INOPERATIVE	REPLACED PRESSURE GAUGE
SEAL INJECT VALVE CONTROL DRIVE	CORRECTIVE MR-0591	OUTAGE 83-08	DAMAGE FROM MAINTENANCE	BROKEN CONTROL SHAFT	REPLACED FORCE MOTOR
CRD SECONDARY ROD CABLE #21	CORRECTIVE MR-0605	OUTAGE 83-08	CONNECTOR CONTAMINATED	SHORT IN CONNECTOR	REPLACED CABLE

## MECHANICAL MAINTENANCE DEPARTMENT

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
SEAL INJECT RELIEF VALVES 54-24-001 & 002 54-27-003	CORRECTIVE MR-0547	OUTAGE 83-08	UNKNOWN	SEAT LEAKAGE	LAPPED SEATS AND TESTED
1A FORCED CIRCULATION PUMP (FCP) MOTOR AND COUPLING	CORRECTIVE MR-0515	OUTAGE 83-08	OLD SEALS	OIL LEAKAGE	REPLACED ALL BEARINGS, "O" RINGS, OIL SEALS & STATO SEALS
1A FCP UPPER & LOWER SEALS	CORRECTIVE MR-0579	OUTAGE 83-08	UNKNOWN	WORN SEALS	REPLACED ALL UPPER & LOWER SEALS, "O" RINGS, SEAL CONTAINERS AND ALIGNED PUMP
HIGH PRESSURE SERVICE WATER AND ALTERNATE CORE SPRAY DIESELS FIRE SCREEN	PREVENTIVE MR-0560	OUTAGE 83-08	FACILITY CHANGE (FC) 06-83-19	NA	FABRICATED AND INSTALLED FIRE SCREEN
1A SEAL INJECT PUMP CENTER PLUNGER	CORRECTIVE MR-0581	OUTAGE 83-08	WORN PACKING	EXCESSIVE LEAKAGE	INSTALLED NEW PACKING
GLAND STEAM GENERATOR SIGHTGLASS	CORRECTIVE MR-0565	OUTAGE 83-08	GASKET FAILURE	STEAM LEAK	REPLACED GLASSES, GASKETS AND MICAS
STACK POST-ACCIDENT SAMPLING SYSTEM	PREVENTIVE MR-0571	OUTAGE 83-08	FC 45-82-8	NA	INSTALLED NEW PUMP AND FLOWMETER
MAKE UP DEMINERALIZER RELIEF VALVE #94-27-021	CORRECTIVE MR-0467	OUTAGE 83-08	CAUSTIC CORROSION	LEAK	REPLACED BRASS RELIEF VALVE WITH A STAINLESS STEEL RELIEF VALVE
LOWER CONTROL ROD DRIVE MECHANISM (LCRDM) #23	PREVENTIVE & CORRECTIVE MR-0607	OUTAGE 83-08	BURNT LEAD WIRES ON CLUTCH	DIDN'T WORK	INSTALLED NEW CLUTCH AND COMPLETE PM
SEAL INJECT BYPASS ACCUMULATOR ISOLATION VALVE #52-25-003	CORRECTIVE MR-0610	OUTAGE 83-08	WORN "O" RING	LEAKAGE	INSTALLED NEW STEM, SEAT, "O" RING AND GASKET

## MECHANICAL MAINTENANCE DEPARTMENT

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
EMERGENCY SERVICE WATER SUPPLY SYSTEM PUMP INSPECTION	PREVENTIVE MR-0616	OUTAGE 83-08	NA	REGULAR SCHEDULED PM	PERFORMED 6 MONTH INSPECTION ON ALL ENGINES
1B FCP UPPER AND LOWER SEALS	CORRECTIVE MR-0612	OUTAGE 83-08	UNKNOWN	WORN SEALS	REPLACED ALL UPPER & LOWER SEALS, "O" RINGS, SEAL CONTAINERS AND ALIGNED PUMP
1A EMERGENCY DIESEL GENERATOR ENGINE HEATER	PREVENTIVE & CORRECTIVE MR-0583	OUTAGE 83-08	FC 38/78-83-3	NA	MODIFIED HEATER PIPING
1A AIR COMPRESSOR	PREVENTIVE MR-0194	OUTAGE 83-08	NA	REGULAR SCHEDULED PM	COMPLETE OVERHAUL
MAIN GATE	CORRECTIVE MR-0623	OUTAGE 83-08	GUARD ABUSE	BROKEN CHAIN LINK	REPLACED CHAIN LINK
1B FCP SUCTION ROTOPORT VALVE	CORRECTIVE MR-0627	OUTAGE 83-08	HEAT	LEAKING ACTUATOR SEALS	REPLACED SEALS
1B AIR COMPRESSOR	PREVENTIVE MR-0638	OUTAGE 83-08	NA	REGULAR SCHEDULED PM	COMPLETE OVERHAUL
1A AND 1B SEAL INJECT DISCHARGE CHECK VALVES	CORRECTIVE MR-0637	OUTAGE 83-08	1B STUCK OPEN BY PIECE OF NYLON VALVE	STUCK CHECK VALVE	INSPECTED BOTH CHECKS AND REMOVED OBSTRUCTION FROM 1B
1A AND 1B SEAL INJECT BYPASS VALVES	PREVENTIVE MR-0641	OUTAGE 83-08	UNKNOWN	ERRATIC SEAL INJECTION SYSTEM CONTROL	INSPECTED BOTH BYPASS VALVES
HEATING BOILER	PREVENTIVE MR-0645	OUTAGE 83-08	NA	REGULAR SCHEDULED PM	INSPECTION & CLEANING
AIR DRYERS	PREVENTIVE MR-0648	OUTAGE 83-08	NA	REGULAR SCHEDULED PM	CHANGED DESSICANT

MECHANICAL MAINTENANCE DEPARTMENT

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
WASTE WATER VALVE #54-24-174	CORRECTIVE MR-0644	OUTAGE 83-08	UNKNOWN	CRACKED DIAPHRAGM	REPLACED CRACKED DIAPHRAGM
LCRD #22 CHARGING HOSE	CORRECTIVE MR-0540	OUTAGE 83-08	UNKNOWN	LEAKING HOSE FITTING	INSTALLED NEW CHARGING HOSE
1B SEAL INJECT SEAL SYPPLY VALVE #52-23-025	CORRECTIVE MR-0537	OUTAGE 83-08	LARGE FOOT	BENT STEM	REPLACED STEM, HANDWHEEL, AND PACKING
DECAY HEAT BLOWDOWN VALVE #56-24-009	CORRECTIVE MR-0542	OUTAGE 83-08	LOOSE GLAND	PACKING LEAK	INSTALLED NEW PACKING

FRANK LINDER  
General Manager

September 9, 1983

In reply, please  
refer to LAC-9315

DOCKET NO. 50-409

Office of Management Information  
and Program Control  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

SUBJECT: DAIRYLAND POWER COOPERATIVE  
LA CROSSE BOILING WATER REACTOR (LACBWR)  
PROVISIONAL OPERATING LICENSE NO. DPR-45  
MONTHLY OPERATING DATA REPORT FOR AUGUST, 1983

Reference: (1) NRC Letter, Reid to Madgett,  
dated September 19, 1977.  
(2) NRC Letter, Reid to Madgett,  
dated December 29, 1977.

Gentlemen:

In accordance with instructions contained in Reference (1) and Technical Specification Amendments contained in Reference (2), we are submitting information concerning operability and availability of the La Crosse Boiling Water Reactor (LACBWR) for the Month of August, 1983.

Please contact us if there are any questions concerning this report.

Very truly yours,

*Frank Linder*

FL:LSG:eme

cc: J. G. Keppler, Dir., NRC-DRO III  
NRC Resident Inspector

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