

OPERATING DATA REPORT

DOCKET NO. 50-409
 DATE 10/04/82
 COMPLETED BY G. R. GADOW
 TELEPHONE 608-689-2331

OPERATING STATUS

1. Unit Name: La Crosse Boiling Water Reactor
2. Reporting Period: 0001, 09-01-82 to 2400, 09-30-82
3. Licensed Thermal Power (MW_t): 165
4. Nameplate Rating (Gross MW_e): 65.3
5. Design Electrical Rating (Net MW_e): 50
6. Maximum Dependable Capacity (Gross MW_e): 50
7. Maximum Dependable Capacity (Net MW_e): 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_e): _____
10. Reasons for Restrictions, If Any: _____

	<u>This Month</u>	<u>Yr.-to-Date</u>	<u>Cumulative</u>
11. Hours In Reporting Period	<u>720</u>	<u>6,551</u>	<u>113,210</u>
12. Nurier Of Hours Reactor Was Critical	<u>122.5</u>	<u>1,919.1</u>	<u>73,192.7</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>478</u>
14. Hours Generator On-Line	<u>74.5</u>	<u>1,780.8</u>	<u>67,473.0</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>79</u>
16. Gross Thermal Energy Generated (MWH)	<u>5,913.4</u>	<u>218,605.8</u>	<u>9,214,394.4</u>
17. Gross Electrical Energy Generated (MWH)	<u>1,528</u>	<u>60,671</u>	<u>2,750,529</u>
18. Net Electrical Energy Generated (MWH)	<u>925</u>	<u>53,684</u>	<u>2,541,676</u>
19. Unit Service Factor	<u>10.4</u>	<u>27.2</u>	<u>59.6</u>
20. Unit Availability Factor	<u>10.4</u>	<u>27.2</u>	<u>59.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>2.7</u>	<u>17.1</u>	<u>46.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>2.6</u>	<u>16.4</u>	<u>44.9</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>26.8</u>	<u>8.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

SEPTEMBER 1982

The refueling outage which commenced April 9, 1982 continued. At 1615 on September 25, 1982, the reactor was taken critical. Heat-up of the reactor vessel was in progress until 0115 on September 26, 1982 when the reactor was automatically shutdown due to failure of Relay K103/1 causing Fuse Block 55-2 to fail (Blown fuse). This resulted in a full scram with loss of control power.

The problem was rectified and the reactor was taken critical at 0628 on September 26, 1982. Heat-up progressed and the turbine was synchronized with the DPC grid at 2126 on September 27, 1982, thus concluding refueling outage 82-07. Power escalation continued to the end of this reporting period, 58% rated thermal power (25 MWe-Net) being achieved.

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-409

UNIT LACBWR

DATE 10/04/82

COMPLETED BY G. R. GADOW

TELEPHONE 608-689-2331

MONTH <u>SEPTEMBER</u>			
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>1</u>
12	<u>0</u>	28	<u>15</u>
13	<u>0</u>	29	<u>19</u>
14	<u>0</u>	30	<u>23</u>
15	<u>0</u>	31	<u>NA</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 10/04/82
 COMPLETED BY G. R. SADOW
 TELEPHONE 608-689-2331

REPORT MONTH SEPTEMBER, 1982

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
82-07	04/09/82	S	645.5	C	1	NA	NA	NA	Scheduled Refueling Outage Terminated at 2146 September 27, 1982

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

OUTAGE WORK EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
SECURITY "E" FIELD 19-4	CORRECTIVE MR-0678, 0692 AND 0695	OUTAGE 82-07	UNKNOWN	ALARMING	CLEANED SENSITIVITY CONTROL POT
SECURITY CAMERA #8	CORRECTIVE MR-0709	OUTAGE 82-07	USAGE	POOR PICTURE	REPLACED VIDICON TUBE IN CAMERA
SECURITY COMPUTER	CORRECTIVE MR-0713	OUTAGE 82-07	UNKNOWN	COMPUTER INOPERABLE	TIGHTENED LOOSE PLUG IN COMPUTER
SECURITY CCTV SYSTEM	PREVENTIVE	OUTAGE 82-07	NONE	PICTURE QUALITY	ADJUSTED ALL CAMERA SENSITIVITY
NUCLEAR CHANNEL N-5 THRU N-9	PREVENTIVE	OUTAGE 82-07	TEST DUE	COMPLETED TESTS	COMPLETED TESTS
SAFETY SYSTEM CH 1, 2, H ₂ O-3	PREVENTIVE	OUTAGE 82-07	TEST DUE	COMPLETED TESTS	COMPLETED TESTS
NUCLEAR CH N-1/N-2 SCALER	CORRECTIVE MR-0716	OUTAGE 82-07	USAGE	TUBES BURNED OUT	REPLACED 3 READOUT TUBES
HPSW/HPCS INTERFACE	FACILITY CHANGE 53-82-4 MR-0728	OUTAGE 82-07 LER 82-13	REQUEST	COMPLETED FACILITY CHANGE	REMOVED FUSE FOR VALVE CONTROL
TURBINE H ₂ COOLERS AIRLINE	CORRECTIVE MR-0656	OUTAGE 82-07	USAGE	AIRLINE LEAK	REPLACED AIR LINE
SEAL INJ. SUCTION TEMP. IND.	CORRECTIVE MR-0642	OUTAGE 82-07	UNKNOWN	INCORRECT TEMP. IND.	REPLACED TEMPERATURE INDICATOR
HEATING STM. COND. RETURN VALVE	CORRECTIVE MR-0704	OUTAGE 82-07	VALVE OPERATION FAILURE	INCORRECT SETTING	ADJUST LIMIT SWITCH FOR INDICATOR
1B ECC PUMP MOTOR BKR	CORRECTIVE MR-0645	OUTAGE 82-07	UNKNOWN	BKR OPERATION POOR	COMPLETED OVERHAUL OF BKR

INSTRUMENT AND ELECTRICAL MAINTENANCE

OUTAGE WORK EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
STACK DAMPER CONTROL	CORRECTIVE MR-0677	OUTAGE 82-07	USAGE	CONTROL INOP.	REPAIRED MOTOR CONTROL
MAIN POWER TRANSFORMER GAS ANALYZER PUMP	CORRECTIVE MR-0414	OUTAGE 82-07	UNKNOWN	PUMP CASE BROKEN	PRELACED PUMP & MOTOR
T.B. EXHAUST FAN MOTOR	CORRECTIVE MR-0647	OUTAGE 82-07	UNKNOWN	BELT BROKEN	CLEANED AND OILED MOTOR
REACTOR FEED PUMP GAUGES	CORRECTIVE MR-0715	OUTAGE 82-07	USAGE	INCORRECT INDICATION	CAL. AND REPLACED PRESS. GAUGES
1A STACK BLOWER BKR	CORRECTIVE MR-0732	OUTAGE 82-07	USAGE	BKR OPERATION POOR	TIGHTENED SPRING RELEASE COIL
CRD UNIT #18	CORRECTIVE MR-0736	OUTAGE 82-07	SHORT IN CONNECTOR	CONTROL INOPERABLE	REPLACED CONNECTOR PLUG
REACTOR CONTROL POWER CIRCUIT	CORRECTIVE MR-0739	OUTAGE 82-07	SHORT IN K103/2	BURNED COIL & FUSE	REPLACED COIL & FUSE
TURB. VALVE POS. RECORDER	CORRECTIVE MR-0742	OUTAGE 82-07	CHART DRIVE REEL SLIP	POOR TAKE-UP ON PAPER	ADJUSTED CLUTCHES
1A FEED PUMP MOTOR BKR	CORRECTIVE MR-0746	OUTAGE 82-07	INTERLOCK SW. INOPERABLE	NO BREAKER CLOSE	REPLACED MICRO-SWITCH
MAIN COND. EMERG. REJECT. VALVE	CORRECTIVE MR-0751	OUTAGE 82-07	AIRLINE LEAK	NITROGEN LEAKAGE	REPLACED AIR LINE

MECHANICAL MAINTENANCE DEPARTMENT

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
TURBINE	PREVENTIVE MR-0244	OUTAGE 82-07	NA	NA	FIVE YEAR INSPECTION
GENERATOR	PREVENTIVE MR-0245	OUTAGE 82-07	NA	NA	FIVE YEAR INSPECTION
HEATING BOILER	PREVENTIVE MR-0943	OUTAGE 82-07	NA	NA	ANNUAL INSPECTION
1A SHIELD COOLING PUMP	CORRECTIVE MR-0654	OUTAGE 82-07	WORN SEAL	EXCESSIVE SEAL LEAKAGE	REPLACED MECHANICAL SEAL
1A FCP	CORRECTIVE MR-0643	OUTAGE 82-07	WORN SEAL	EXCESSIVE SEAL LEAKAGE	REPLACED UPPER SEAL RINGS
TURBINE DRAIN VALVES 64-23-065, 066 & 067	CORRECTIVE MR-0639	OUTAGE 82-07	WORN SEATS	SEAT LEAKAGE	LAPPED VALVES
HP CORE SPRAY ORIFACE	CORRECTIVE MR-0672	OUTAGE 82-07	SYSTEM TESTING	REMOVED FLOW ORIFACE	REPLACED ORIFACE
CORE SPRAY DISCHARGE VALVE #53-25-003	PREVENTIVE MR-0675	OUTAGE 82-07	NA	NA	INSPECT VALVE
STACK GAS MONITORING SYSTEM	NEW INSTALLATION FACILITY CHANGE 45-82-7 MR-0671	OUTAGE 82-07	NA	NA	INSTALLED MONITORING SYSTEM
GENERATOR H ₂ COOLER #4	CORRECTIVE MR-0679	OUTAGE 82-07	LEAKING TUBES	WATER IN GENERATOR CASING	PLUGGED 5 TUBES
REACTOR CORE SPRAY BUNDLE	CORRECTIVE MR-0687	LER 82-13 OUTAGE 82-07	LOW FLOW	PLUGGED NOZZLES	FLUSHED CORE SPRAY HEADER AND NOZZLES

MECHANICAL MAINTENANCE DEPARTMENT

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
TURBINE RELAY OIL FILTER	NEW INSTALLATION FACILITY CHANGE 92-82-1 ADDENDUM #2 MR-0686	OUTAGE 82-07	NA	NA	INSTALLED VALVE ON FILTER ASSEMBLY
HPSW DIESEL	CORRECTIVE MR-0694	OUTAGE 82-07	PLUG LOOSE	LEAKED	TIGHTENED PLUG ON FUEL PUMP
REHEATER DRAIN VALVE #64-23-006	CORRECTIVE MR-0693	OUTAGE 82-07	WORN	LEAKED	LAPPED SEAT AND DISC
1B RFP CPLG. COOLING WATER VALVE #98-24-016	CORRECTIVE MR-0600	OUTAGE 82-07	STEM SEIZED	BROKEN STEM	REPLACED STEM AND LAPPED
1B STACK BLOWER	CORRECTIVE MR-0530	OUTAGE 82-07	WORN BELTS	EXCESSIVE NOISE	REPLACED BELTS
LPSW VALVE #98-24-018	PREVENTIVE MR-0911	OUTAGE 82-07	DIRTY STEM GUIDES	HARD TO OPERATE	REPLACED STEM AND LAPPED
DRY CLEANER	CORRECTIVE MR-0722	OUTAGE 82-07	INCORRECT MOUNTING	VIBRATION	REANCHORED
LPSW VALVES #98-24-019 & 020	PREVENTIVE MR-0711	OUTAGE 82-07	DIRTY STEM GUIDES	HARD TO OPERATE	REPACKED AND CLEANED
LOWER CRD #16	PREVENTIVE MR-0744	OUTAGE 82-07	NA	NA	PM
1B CIRCULATING WATER PUMP	CORRECTIVE MR-0725	OUTAGE 82-07	LOSS OF SEAL FLOW	PACKING SEIZED	OVERHAUL PUMP