

OPERATING DATA REPORT

DOCKET NO. 50-409
 DATE 08-04-80
 COMPLETED BY L. S. GOODMAN
 TELEPHONE 608-689-2331

OPERATING STATUS

Notes

1. Unit Name: La Crosse Boiling Water Reactor
2. Reporting Period: 0000, 80-01-07 to 2400, 80-31-07
3. Licensed Thermal Power (MWt): 165
4. Nameplate Rating (Gross MWe): 65.3
5. Design Electrical Rating (Net MWe): 50
6. Maximum Dependable Capacity (Gross MWe): 50
7. Maximum Dependable Capacity (Net MWe): 48
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5111</u>	<u>94226</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>4365.9</u>	<u>62171.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>478</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4237.0</u>	<u>57,241.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>79</u>
16. Gross Thermal Energy Generated (MWH)	<u>95,274.0</u>	<u>564,799.7</u>	<u>7,849,580.2</u>
17. Gross Electrical Energy Generated (MWH)	<u>26,607</u>	<u>164,176</u>	<u>2,363,308</u>
18. Net Electrical Energy Generated (MWH)	<u>24,714</u>	<u>153,301</u>	<u>2,186,036</u>
19. Unit Service Factor	<u>100.0</u>	<u>82.9</u>	<u>60.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>82.9</u>	<u>60.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>69.2</u>	<u>62.5</u>	<u>48.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>66.4</u>	<u>60.0</u>	<u>46.4</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>6.0</u>	<u>6.4</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
ESTIMATED REFUELING OUTAGE, OCTOBER 17, 1980 (6 WEEKS)

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

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

8008130418

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-409
 UNIT LACBWR
 DATE 08-04-80
 COMPLETED BY L.S.GOODMAN
 TELEPHONE 608-689-2331

MONTH JULY 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>15</u>	17	<u>37</u>
2	<u>20</u>	18	<u>37</u>
3	<u>22</u>	19	<u>36</u>
4	<u>24</u>	20	<u>21</u>
5	<u>26</u>	21	<u>32</u>
6	<u>29</u>	22	<u>37</u>
7	<u>31</u>	23	<u>37</u>
8	<u>33</u>	24	<u>37</u>
9	<u>35</u>	25	<u>37</u>
10	<u>37</u>	26	<u>38</u>
11	<u>37</u>	27	<u>38</u>
12	<u>37</u>	28	<u>38</u>
13	<u>37</u>	29	<u>37</u>
14	<u>36</u>	30	<u>37</u>
15	<u>37</u>	31	<u>37</u>
16	<u>37</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 08-04-80
 COMPLETED BY L.S. GOODMAN
 TELEPHONE 608-689-2331

REPORT MONTH JULY 1980

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
80-06	07-19-80	F	0	A	4	NA	CB	PUMPXX	1B FORCED CIRCULATION PUMP TRIPPED DUE TO LOW SEAL INJECTION LEAK-OFF FLOW WHICH OCCURRED WHEN RETURNING THE 1B SEAL INJECTION PUMP TO STANDBY DUE TO THE SEAL INJECTION PUMPS' BY-PASS VALVES NOT COMPENSATING FAST ENOUGH TO MAINTAIN SUFFICIENT FLOW TO THE FCP'S. THE STANDBY SEAL INJECTION PUMP HAD STARTED DUE TO A SYSTEM SURGE WHEN PLACING A CLEANED SEAL INJECTION FILTER BACK IN STANDBY. THE 1A SEAL INJECTION PUMP WAS SUCCESSFULLY PLACED IN STANDBY ON A SUBSEQUENT TRY. THE 1B FCP WAS PROMPTLY RESTARTED AFTER IT TRIPPED. THE SEAL INJECTION SYSTEM WILL BE THOROUGHLY EXAMINED DURING THE NEXT COLD SHUT-DOWN.

1
 F - Forced
 S - Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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 I - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

JULY 1980

At the onset of the July 1980 reporting period, power escalation was continuing following the June 21 - 29 outage for the repair of a seal leak in Upper Control Rod Drive Mechanism No. 24. On July 10th, 85% Reactor Rated Thermal Power (37 MWe-Net) was achieved. This operating level has been scheduled to extend core life to stretch optimum production until refueling becomes necessary.

Power generation continued at this level until July 19th at 2214, when 1B Forced Circulation Pump (FCP) tripped due to low seal injection leakoff flow, which occurred when returning the 1B Seal Injection Pump to standby. The low leakoff flow condition occurred because the Seal Injection Pumps' bypass valves did not compensate fast enough to maintain sufficient flow to the FCP's. The standby Seal Injection Pump had started due to a system surge when placing a cleaned seal injection filter back in standby. The 1B FCP was promptly restarted and the 1A Seal Injection Pump was successfully placed in standby on a subsequent try. The Seal Injection System will be thoroughly examined during the next cold shutdown.

Reactor power decreased to a minimum of 34% Reactor Rated Thermal Power (12 MWe-Net) prior to power re-escalation. On July 21st, 85% Reactor Rated Thermal Power (37 MWe-Net) was again achieved. Operation continued at this power level throughout the remainder of the July 1980 reporting period.

Significant maintenance items performed during the July 1980 reporting period are indicated on the attached Instrument and Electrical and Mechanical Maintenance listings.

INSTRUMENT AND ELECTRICAL MAINTENANCE

1 of 2
JULY, 1980

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
NUCLEAR INSTRUMENTATION	CORRECTIVE MR 3212	NA	NORMAL USAGE	CHART DRIVE INOPERATIVE	ADJUSTED CHANNEL 5 RECORDER DRIVE
NUCLEAR INSTRUMENTATION	PREVENTIVE	NA	TEST DUE	COMPLETED TESTS	COMPLETE TECH. SPEC. TESTS N-5 THROUGH N-9
SAFETY SYSTEM	PREVENTIVE	NA	TEST DUE	COMPLETED TESTS	COMPLETE SAFETY SYSTEM TECH. SPEC. TESTS FOR CHANNELS 1, 2, AND H ₂ O NO. 3
FIRE DETECTION	PREVENTIVE	NA	TEST DUE	COMPLETED TESTS	COMPLETED FIRE DETECTOR TESTING
RADIATION MONITORING SYSTEM	PREVENTIVE	NA	TEST DUE	COMPLETED TESTS	COMPLETED FIXED RADIATION MONITORING TESTING
TURBINE ROTOR ALARM	CORRECTIVE MR 3215	NA	NORMAL USAGE	INOPERATIVE ALARM LIGHT	ADJUSTED AND LUBRICATED CONTACT PIVOT
DECAY HEAT VALVE SOLENOID VALVE	CORRECTIVE MR 3229	NA	UNKNOWN	SOLENOID COIL BURNED OUT	REPLACED SOLENOID COIL
CONTROL AIR DRYER 1B VALVE	CORRECTIVE MR 3222	NA	CONTAMINATION	STICKING PURGE VALVE	CLEANED AND LUBRICATED 1B VALVE
OFF-GAS FLOW INDICATOR	CORRECTIVE MR 3231	NA	CONTAMINATION	PLUGGED INDICATOR	CLEANED FLOW METER
REACTOR VENT FAN	CORRECTIVE MR 3233	NA	PLUGGED FILTERS	MOTOR OVERHEATED	REPLACED MOTOR AND FILTERS
FUEL GRAPPLE TOOL	CORRECTIVE MR 3223	NA	LACK OF LUBRICATION	TOOL HANGUP	RELUBRICATED
ENVIRONMENTAL AIR PUMP	CORRECTIVE MR 3220	NA	NORMAL USAGE	DEFECTIVE FAN	REPLACED FAN WITH METAL FAN
TURBINE EXPANSION RECORDER	CORRECTIVE MR 3253	NA	NORMAL USAGE	DEFECTIVE SWITCH	REPLACED ROTORY SWITCH IN RECORDER

INSTRUMENT AND ELECTRICAL MAINTENANCE

2 of 2

JULY 1980

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
TEST EQUIPMENT CALIBRATION	PREVENTIVE	NA	TESTS DUE	COMPLETED TESTING	CALIBRATED ALL SHOP TEST EQUIPMENT
SECURITY EQUIPMENT - ZONE 10	CORRECTIVE MR 3214	NA	UNKNOWN	DOOR IN ALARM	ADJUSTED BIAS MAGNET FOR ZONE 10
SECURITY EQUIPMENT - DOOR READER	CORRECTIVE MR 3210	NA	NORMAL USAGE	SIDE CLIPS WORN OUT	REPLACED SIDE CLIPS IN READER
SECURITY EQUIPMENT - ZONE 7 CAMERA	CORRECTIVE	NA	HIGH WIND	TURNED CAMERA	REALIGNED CCTV CAMERA
SECURITY EQUIPMENT - CRIB HOUSE HATCHES	CORRECTIVE	NA	NEW INSTALLATION	UNITS ALARMING	ADJUSTED ALARM SWITCHES
SECURITY EQUIPMENT - SPARE CCTV	CORRECTIVE MR 3236	NA	NORMAL USAGE	POOR PICTURE	READJUSTED MECHANICAL FOCUS
SECURITY EQUIPMENT - CRIB HOUSE E-FIELD	CORRECTIVE MR 3258	NA	MANUFACTURER MODIFICATION	POOR SENSITIVITY	COMPLETED SYSTEM MODIFICATION
SECURITY EQUIPMENT - CRIB HOUSE READER	CORRECTIVE MR 3247	NA	UNKNOWN	INOPERATIVE	REPAIRED READER
SECURITY EQUIPMENT - STACK SHACK READER	CORRECTIVE MR 3266	NA	SPIDERS AND BUGS	INOPERATIVE	CLEANED READER
SECURITY EQUIPMENT - MAIN AIRLOCK READER	CORRECTIVE MR 3263	NA	NEW INSTALLATION	INOPERATIVE	ADJUSTED FOR PROPER OPERATION
SECURITY EQUIPMENT - FRONT DOOR ALARM	CORRECTIVE MR 3267	NA	UNKNOWN	NO ALARM RESET	ADJUSTED FOR PROPER OPERATION
SECURITY SYSTEM ZONE 19.5	CORRECTIVE MR 3277	NA	UNKNOWN	NO ALARM RESET	ADJUSTED SECURITY ALARM
ENVIRONMENTAL AIR MONITOR	CORRECTIVE MR 3282	NA	NORMAL USAGE	TIME METER WORN OUT	REPLACED TIME METER
FUEL SIPPING FIXTURE	FACILITY CHANGE FC-77-05	NA	THERMOCOUPLES NOT REQUIRED	NOT REQUIRED	REMOVE THERMOCOUPLES FROM SIPPING FIXTURE AND PLUGGED OPENINGS

MECHANICAL MAINTENANCE

JULY 1980

EQUIPMENT	NATURE OF MAINTENANCE	LEAK OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RESIN DEWATERING PUMP	CORRECTIVE MR 3219	NA	WORN IMPELLER	WOULD NOT PUMP	REPLACED IMPELLER
OFF-GAS VALVE NO. 55-22-001	CORRECTIVE MR 3227	NA	SPRING TENSION NOT SET. STEAM CUT SEAT AND DISC.	STEAM LEAK	REPLACED STEM, DISC SEAT AND NEW GASKETS
OFF GAS RECOMBINER	CORRECTIVE MR 3227	NA	CATALYST DEPLETED	WAS NOT RECOMBIN- ING PROPERLY	REPLACED NEW CATALYST SEAL WELDED CARTRIDGE I.D. TORQUED BOLTS TO 975 Ft/Lbs.
SEAL WATER FILTERS	PREVENTIVE	NA	NA	NA	CHANGED FILTERS
WELL WATER FILTERS	PREVENTIVE	NA	NA	NA	CHANGED FILTERS
OFF-GAS DRYER 1B	CORRECTIVE MR 3251	NA	LEAK IN LINE	WAS NOT COOLING DOWN	FIXED LEAK AND RECHARGED WITH FREON
WASTE WATER TOTALIZER	CORRECTIVE MR 3226	NA	WAS DIRTY	WAS NOT READING FLOW	CLEANED SCREENS