

OPERATING DATA REPORT

DOCKET NO. 50-266

DATE August 8, 1984

COMPLETED BY C. W. KRAUSE

TELEPHONE 414 277 2001

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 1
  2. REPORTING PERIOD: JULY 1984
  3. LICENSED THERMAL POWER (MWt): 1518.
  4. NAMEPLATE RATING (GROSS MWE): 523.8
  5. DESIGN ELECTRICAL RATING (NET MWE): 497.
  6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 509.
  7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 485.
  8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:  
NOT APPLICABLE
  9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NOT APPLICABLE
  10. REASONS FOR RESTRICTIONS, (IF ANY): NOT APPLICABLE
- |   | THIS MONTH | YR TO DATE | CUMULATIVE  |
|---|------------|------------|-------------|
| 11. HOURS IN REPORTING PERIOD               | 744        | 5,111      | 120,407     |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL    | 728.7      | 2,747.1    | 96,825.6    |
| 13. REACTOR RESERVE SHUTDOWN HOURS          | 0.4        | 4.3        | 629.7       |
| 14. HOURS GENERATOR ON LINE                 | 722.5      | 2,707.0    | 94,314.5    |
| 15. UNIT RESERVE SHUTDOWN HOURS             | 3.2        | 9.0        | 802.5       |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)    | 1,953,610  | 3,924,040  | 127,459,352 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 363,670    | 1,354,950  | 42,750,930  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)   | 347,637    | 1,288,677  | 40,651,111  |
| 19. UNIT SERVICE FACTOR                     | 97.1       | 53.0       | 78.3        |
| 20. UNIT AVAILABILITY FACTOR                | 97.5       | 53.1       | 79.0        |
| 21. UNIT CAPACITY FACTOR (USING ADC NET)    | 96.3       | 52.0       | 69.1        |
| 22. UNIT CAPACITY FACTOR (USING DER NET)    | 94.0       | 50.7       | 67.9        |
| 23. UNIT FORCED OUTAGE RATE                 | 0.0        | 0.0        | 2.6         |
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
NONE
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NOT SHUTDOWN

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DOCKET NO. 50-266  
 UNIT NAME Point Beach Unit 1  
 DATE August 8, 1984  
 COMPLETED BY C. W. Krause  
 TELEPHONE 414/277-2001

AVERAGE DAILY UNIT POWER LEVEL

MONTH July, 1984

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL MWe NET</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL MWe NET</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL MWe NET</u>
1	<u>445</u>	11	<u>501</u>	21	<u>- 2</u>
2	<u>472</u>	12	<u>501</u>	22	<u>368</u>
3	<u>495</u>	13	<u>502</u>	23	<u>501</u>
4	<u>477</u>	14	<u>502</u>	24	<u>502</u>
5	<u>465</u>	15	<u>502</u>	25	<u>502</u>
6	<u>500</u>	16	<u>498</u>	26	<u>501</u>
7	<u>489</u>	17	<u>502</u>	27	<u>481</u>
8	<u>476</u>	18	<u>502</u>	28	<u>480</u>
9	<u>477</u>	19	<u>501</u>	29	<u>424</u>
10	<u>493</u>	20	<u>477</u>	30	<u>453</u>
				31	<u>500</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1984

DOCKET NO. 50-266  
 UNIT NAME Point Beach Unit 1  
 DATE August 8, 1984  
 COMPLETED BY C. W. Krause  
 TELEPHONE 414/277-2001

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action To Prevent Recurrence
3	840721	S	21.5	B	1	N/A	XX	ELECON	Unit shutdown to perform in containment maintenance on the reactor coolant loose parts monitoring system.

<sup>1</sup> F: Forced  
 S: Scheduled

<sup>2</sup> Reason:  
 A- Equipment Failure (explain)  
 B- Maintenance or Test  
 C- Refueling  
 D- Regulatory Restriction  
 E- Operator Training & License Exam  
 F- Administrative  
 G- Operational Error (explain)  
 H- Other (explain)

<sup>3</sup> Method:  
 1- Manual  
 2- Manual Scram  
 3- Automatic Scram  
 4- Other (explain)

<sup>4</sup> Exhibit G-Instructions for Preparation of Data Entry Sheets for LER File (NUREG-0161)

<sup>5</sup> Exhibit I- Same Source

During the period, Chemistry had determined that there is a potential detectable (<0.1 gallons per day) primary-to-secondary leak rate in the Unit 1 steam generators by one method of analysis (rad gas ratio). Chemistry is monitoring air ejector rad gas and primary-to-secondary leakage is holding at a detectable rate.

On July 18, 1984, a small fire occurred in the Health Physics laundry area. The fire was the result of an obstructed solenoid drain valve on a washer. The fire brigade mustered and disconnected the power supply and the fire extinguished. The solenoid valve was replaced and the washer was declared operational.

On July 31, 1984, a manual turbine runback to 94% was initiated after a feedwater heater bypass valve control circuit breaker trip. The breaker was tripped by contract personnel during a control room modification to install the auxiliary safety instrumentation panel. The breaker was closed and the unit was returned to full power.

On July 2, the periodic containment tendon surveillance program began. One wire is being removed from each of 3 tendons to be destructively tested.

Other safety-related maintenance included work on the blowdown evaporator reboiler, completion of modifications to the auxiliary feedwater motor-operated valves, and a security system computer software upgrade to include fire doors.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE August 8, 1984

COMPLETED BY C. W. KRAUSE

TELEPHONE 414 277 2001

OPERATING STATUS

- 1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2
- 2. REPORTING PERIOD: JULY 1984
- 3. LICENSED THERMAL POWER (MW): 1518.
- 4. NAMEPLATE RATING (GROSS MWE): 523.8
- 5. DESIGN ELECTRICAL RATING (NET MWE): 497.
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 509.
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 485.
- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:  
NOT APPLICABLE

- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NOT APPLICABLE
- 10. REASONS FOR RESTRICTIONS, (IF ANY): NOT APPLICABLE

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5,111	105,192
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5,085.6	93,513.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	8.8	207.1
14. HOURS GENERATOR ON LINE	744.0	5,021.9	91,924.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	15.4	198.1
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,119,374	7,494,418	128,389,195
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	381,040	2,534,380	43,494,210
18. NET ELECTRICAL ENERGY GENERATED (MWH)	364,174	2,421,941	41,422,541
19. UNIT SERVICE FACTOR	100.0	98.3	87.4
20. UNIT AVAILABILITY FACTOR	100.0	98.6	87.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.9	97.7	80.1
22. UNIT CAPACITY FACTOR (USING DER NET)	98.5	95.3	79.2
23. UNIT FORCED OUTAGE RATE	0.0	0.0	1.4
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Five-week refueling outage scheduled to begin on September 28, 1984.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NOT SHUTDOWN

DOCKET NO. 50-301  
 UNIT NAME Point Beach Unit 2  
 DATE August 8, 1984  
 COMPLETED BY C. W. Krause  
 TELEPHONE 414/277-2001

AVERAGE DAILY UNIT POWER LEVEL

MONTH July, 1984

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL MWe NET</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL MWe NET</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL MWe NET</u>
1	<u>462</u>	11	<u>494</u>	21	<u>494</u>
2	<u>492</u>	12	<u>494</u>	22	<u>490</u>
3	<u>495</u>	13	<u>495</u>	23	<u>494</u>
4	<u>494</u>	14	<u>494</u>	24	<u>491</u>
5	<u>494</u>	15	<u>449</u>	25	<u>492</u>
6	<u>494</u>	16	<u>493</u>	26	<u>492</u>
7	<u>492</u>	17	<u>495</u>	27	<u>489</u>
8	<u>494</u>	18	<u>493</u>	28	<u>488</u>
9	<u>494</u>	19	<u>494</u>	29	<u>463</u>
10	<u>495</u>	20	<u>493</u>	30	<u>489</u>
				31	<u>491</u>



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1984

DOCKET NO. 50-301  
 UNIT NAME Point Beach Unit 2  
 DATE August 8, 1984  
 COMPLETED BY C. W. Krause  
 TELEPHONE 414/277-2001

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action To Prevent Recurrence

1 F: Forced  
S: Scheduled

2 Reason:  
 A- Equipment Failure (explain)  
 B- Maintenance or Test  
 C- Refueling  
 D- Regulatory Restriction  
 E- Operator Training & License Exam  
 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 LER File (NUREG-0161)  
 5 Exhibit I- Same Source

## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-266  
Unit Name Point Beach Unit 1  
Date August 8, 1984  
Completed By C. W. Krause  
Telephone 414/277-2001

Unit 1 operated at approximately 498 MWe net throughout the period with one significant load reduction. On July 21, 1984, at 0223 hours, the unit was taken off line to clean 19 blocked incore thimbles in the containment. When the system was returned to service, 12 of the 19 thimbles operated without blockage. During the 21 1/2-hour outage, the cabling for the reactor coolant system loose parts monitoring system between 6 sensors and the preamps was replaced. The system is now operating satisfactorily. Also completed during the outage was the replacement of a coupling upstream of the "A" reactor coolant pump seal water bypass orifice and the replacement of a solenoid operator to letdown orifice valve 1-200A. After maintenance was completed, the reactor was taken critical at 1923 hours and Unit 1 returned on line at 2354 hours.

The reactor protection system actuated twice while the reactor was subcritical during the outage. First, at 0417 hours on July 21, 1984, the reactor tripped on source range Channel 32 high flux when the source range detectors were energized. I&C is investigating the possible failure of the source range detector. Second, at 1130 hours, the reactor tripped again due to switching the turbine first stage pressure channel to "test" for maintenance work. Putting the channel to "test" unblocked power trip setpoints and the reactor tripped on low pressurizer pressure. Both of these subcritical reactor protection actuations are considered reportable under Licensee Event Report rules.

At 0247 hours on July 11, 1984, there was a Tref step change of 7°F on Unit 1 which resulted in an automatic control rod insertion. The control rods were shifted to manual and Unit 1 was maintained at full power. The step change was caused by failure of the Tref controller high limiter. The Tref controller high limiter was repaired and returned to service. This event was not considered reportable.

During monthly surveillance testing, I&C found that a fuse for the bistable for Unit 1 power-operated relief valve 430 had failed. The relief valve would not have opened on a high pressure signal due to this failure. The redundant valve, PORV-431C was operational throughout the period. This event was not considered reportable.



## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-301  
Unit Name Point Beach Unit 2  
Date August 8, 1984  
Completed By C. W. Krause  
Telephone 414/277-2001

Unit 2 operated at approximately 493 MWe net throughout the entire period with no significant load reductions. Primary-to-secondary leakage remains at less than 10 gallons per day.

During the period, Operations has been closely monitoring containment sump levels along with containment air monitors in an investigation regarding a potential reactor vessel head area leak.

Safety-related maintenance performed during the period included work on charging pump 2P2B varidrive system. A number of containment tendons were inspected in situ during the periodic surveillance program. Also during the period, construction began on the modification to install an auxiliary safety instrumentation panel in the control room.



**Wisconsin Electric** POWER COMPANY  
231 W. MICHIGAN, P.O. BOX 2046, MILWAUKEE, WI 53201

August 10, 1984

Director of Regulatory Operations  
U. S. NUCLEAR REGULATORY COMMISSION  
Washington, D. C. 20555

Gentlemen:

MONTHLY OPERATING REPORTS  
POINT BEACH NUCLEAR PLANT

Attached are monthly operating reports for Units 1 and  
2, Point Beach Nuclear Plant, for the calendar month of July  
1984.

Very truly yours,

Vice President-Nuclear Power

C. W. Fay

Attachments

Copies to J. G. Keppler - NRC, Region III  
NRC Resident Inspector  
C. F. Riederer - PSCW

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