

# OPERATING DATA REPORT

DOCKET NO. 50-266

DATE May 7, 1984

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

## OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 1
2. REPORTING PERIOD: APRIL 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): 519.
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  | 719        | 2,903      | 118,199     |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL   | 554.4      | 554.4      | 94,632.9    |
| 13. REACTOR RESERVE SHUTDOWN HOURS   | 3.9        | 3.9        | 629.3       |
| 14. HOURS GENERATOR ON LINE  | 520.5      | 520.5      | 92,128.0    |
| 15. UNIT RESERVE SHUTDOWN HOURS  | 5.8        | 5.8        | 799.3       |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)   | 692,459    | 692,459    | 124,227,771 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH)  | 239,010    | 239,010    | 41,634,990  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)  | 226,245    | 220,751    | 39,583,185  |
| 19. UNIT SERVICE FACTOR  | 72.4       | 17.9       | 77.9        |
| 20. UNIT AVAILABILITY FACTOR   | 73.2       | 18.1       | 78.6        |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)   | 64.9       | 15.7       | 68.5        |
| 22. UNIT CAPACITY FACTOR (USING DER NET)   | 63.3       | 15.3       | 67.4        |
| 23. UNIT FORCED OUTAGE RATE  | 0.0        | 0.0        | 2.6         |
| 24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):<br>NONE |            |            |             |

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

DATA REPORTED AND FACTORS CALCULATED AS REQUESTED IN NRC LETTER DATED SEPTEMBER 22, 1977

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DOCKET NO. 50-266

UNIT NAME Point Beach Unit 1

DATE May 7, 1984

COMPLETED BY C. W. Fay

TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1984

| <u>DAY</u> | <u>AVERAGE<br/>DAILY<br/>POWER LEVEL<br/>MWe NET</u> | <u>DAY</u> | <u>AVERAGE<br/>DAILY<br/>POWER LEVEL<br/>MWe NET</u> | <u>DAY</u> | <u>AVERAGE<br/>DAILY<br/>POWER LEVEL<br/>MWe NET</u> |
|------------|--|------------|--|------------|--|
| 1          | <u>-3</u>  | 11         | <u>352</u>   | 21         | <u>484</u>   |
| 2          | <u>-3</u>  | 12         | <u>412</u>   | 22         | <u>450</u>   |
| 3          | <u>-5</u>  | 13         | <u>421</u>   | 23         | <u>466</u>   |
| 4          | <u>-12</u>   | 14         | <u>452</u>   | 24         | <u>478</u>   |
| 5          | <u>-1</u>  | 15         | <u>450</u>   | 25         | <u>489</u>   |
| 6          | <u>-2</u>  | 16         | <u>464</u>   | 26         | <u>496</u>   |
| 7          | <u>-7</u>  | 17         | <u>483</u>   | 27         | <u>501</u>   |
| 8          | <u>-12</u>   | 18         | <u>476</u>   | 28         | <u>502</u>   |
| 9          | <u>54</u>  | 19         | <u>482</u>   | 29         | <u>467</u>   |
| 10         | <u>152</u>   | 20         | <u>487</u>   | 30         | <u>501</u>   |
|            |  |            |  | 31         | <u></u>  |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April, 1984DOCKET NO. 50-266UNIT NAME Point Beach Unit 1DATE May 7, 1984COMPLETED BY C. W. FayTELEPHONE 414/277-2811

| No. | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee Event<br>Report No. | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause and Corrective Action<br>To Prevent Recurrence                        |
|-----|--------|-------------------|---------------------|---------------------|--|------------------------------|-----------------------------|--------------------------------|---|
| 3   | 831001 | S                 | 197.5               | C                   | 1  | N/A                          | ZZ                          | ZZZZZZ                         | Continuation of a 26-week refueling and steam generator replacement outage. |
| 1   | 840409 | S                 | 1.0                 | B                   | 1  | N/A                          | ZZ                          | ZZZZZZ                         | Unit removed from service to complete off line turbine trip testing.        |

<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)

<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

## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-266  
Unit Name Point Beach Unit 1  
Date May 7, 1984  
Completed By C. W. Krause  
Telephone 414-277-2001

During the period Unit 1 completed its refueling and steam generator replacement. The containment integrated leak rate test was successfully completed on April 2 and on April 3 heatup of the primary system commenced. On April 7 hot rod drop tests were completed and Unit 1 reactor went critical for the first time in 28 weeks at 2015 hours. At 0530 hours on April 9 the generator went on line and load was increased to 100 MWe net. The turbine generator was then taken off line on April 9 at 1542 hours for 55 minutes to complete turbine overspeed trip tests. Unit 1 was stepped up to 98% power over a period of eight days to facilitate fuel soaking and flux mapping. The unit operated near full power for the remainder of the period.

On April 24 the plant staff was informed by the Nuclear Regulatory Commission via the Resident Inspector that Unit 1 had been operating since startup from the refueling outage in violation of Technical Specification 15.3.10.A.2. This specification outlines the control rod insertion limit. Initial corrective action was to withdraw the control rods three additional steps, from 225 steps to 228 steps. A Technical Specification change will be submitted to make final corrective action. A Licensee Event Report will be submitted to the NRC.

Safety-related maintenance completed during the period included the inspection and cleaning of excess letdown valve 1MOV-1299, replacement of a construction damaged resistance temperature detector ("A" loop, cold leg TE-402B), the inspection and cleaning of Unit 1 letdown isolation valve 1MOV-427, modifications to the solenoid valves on the main feed regulating valves, commencement of the 3D annual inspection, inspection of the "B" component cooling water pump bearing, repairs to a body-to-bonnet leak on "A" main steam stop valve bypass line, and the addition of two manual isolation valves to the containment air monitoring system. Other safety-related maintenance included the replacement of "O" ring seals on K10A cryogenic compressor, the replacement of 1P29 auxiliary feed pump governor, and solenoid valve repairs to purge exhaust valve operator CV-3213.

# OPERATING DATA REPORT

DOCKET NO. 50-301

DATE May 7, 1984

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

## OPERATING STATUS

- |   |       |
|---|-------|
| 1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2  | NOTES |
| 2. REPORTING PERIOD: APRIL 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): 519.  |       |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 485.  |       |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:<br>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  | 719        | 2,903      | 102,984     |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL   | 719.0      | 2,903.0    | 91,331.2    |
| 13. REACTOR RESERVE SHUTDOWN HOURS   | 0.0        | 0.0        | 198.3       |
| 14. HOURS GENERATOR ON LINE  | 719.0      | 2,903.0    | 89,805.8    |
| 15. UNIT RESERVE SHUTDOWN HOURS  | 0.0        | 0.0        | 182.7       |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)   | 1,068,842  | 4,357,092  | 125,251,869 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH)  | 359,900    | 1,468,610  | 42,428,440  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)  | 343,539    | 1,405,154  | 40,405,754  |
| 19. UNIT SERVICE FACTOR  | 100.0      | 100.0      | 87.2        |
| 20. UNIT AVAILABILITY FACTOR   | 100.0      | 100.0      | 87.4        |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)   | 98.5       | 99.8       | 79.8        |
| 22. UNIT CAPACITY FACTOR (USING DER NET)   | 96.1       | 97.4       | 78.9        |
| 23. UNIT FORCED OUTAGE RATE  | 0.0        | 0.0        | 1.4         |
| 24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): 1<br>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 May 7, 1984  
COMPLETED BY C. W. Fay  
TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1984

| <u>DAY</u> | <u>AVERAGE<br/>DAILY<br/>POWER LEVEL<br/>MWe NET</u> | <u>DAY</u> | <u>AVERAGE<br/>DAILY<br/>POWER LEVEL<br/>MWe NET</u> | <u>DAY</u> | <u>AVERAGE<br/>DAILY<br/>POWER LEVEL<br/>MWe NET</u> |
|------------|--|------------|--|------------|--|
| 1          | <u>489</u>   | 11         | <u>488</u>   | 21         | <u>403</u>   |
| 2          | <u>487</u>   | 12         | <u>472</u>   | 22         | <u>450</u>   |
| 3          | <u>489</u>   | 13         | <u>476</u>   | 23         | <u>487</u>   |
| 4          | <u>488</u>   | 14         | <u>492</u>   | 24         | <u>488</u>   |
| 5          | <u>487</u>   | 15         | <u>482</u>   | 25         | <u>476</u>   |
| 6          | <u>488</u>   | 16         | <u>487</u>   | 26         | <u>488</u>   |
| 7          | <u>464</u>   | 17         | <u>491</u>   | 27         | <u>488</u>   |
| 8          | <u>394</u>   | 18         | <u>484</u>   | 28         | <u>488</u>   |
| 9          | <u>488</u>   | 19         | <u>488</u>   | 29         | <u>488</u>   |
| 10         | <u>489</u>   | 20         | <u>469</u>   | 30         | <u>488</u>   |
|            |  |            |  | 31         | <u>          </u>                                    |



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April, 1984DOCKET NO. 50-301UNIT NAME Point Beach Unit 2DATE May 7, 1984COMPLETED BY C. W. FayTELEPHONE 414/277-2811

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

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

<sup>2</sup> Reason:  
A- Equipment Failure (explain)  
B- Maintenance or Test  
C- Refueling  
D- Regulatory Restriction  
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<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

## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

|              |                    |
|--------------|--------------------|
| Docket No.   | 50-301             |
| Unit Name    | Point Beach Unit 2 |
| Date         | May 7, 1984        |
| Completed By | C. W. Krause       |
| Telephone    | 414-277-2001       |

Unit 2 operated at approximately 488 MWe net throughout the period. Two minor load reductions occurred on April 8 and April 21 to repair tube leaks in the main condensers. The unit continued to operate with the "A" and "D" moisture-separator-reheaters isolated because of tube leakage.

On April 24 the plant staff was informed by the Nuclear Regulatory Commission via the Resident Inspector that Unit 2 had been operating since startup from its last refueling outage in violation of Technical Specification 15.3.10.A.2. This specification outlines the control rod insertion limit. Initial corrective action was to withdraw the control rods three additional steps, from 225 steps to 228 steps. A Technical Specification change will be submitted to make final corrective action. A Licensee Event Report will be submitted to the NRC.

Safety-related maintenance included the replacement of overpower temperature change relay TC-407A, seal replacement on "B" charging pump and discharge relief valve replacement on "A" charging pump, and repairs to motor generator 2G07 bearing.





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

May 9, 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 April  
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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