

# OPERATING DATA REPORT

DOCKET NO. 50-266

DATE October 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: SEPTEMBER 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  | 720        | 6,575      | 121,871     |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL   | 720.0      | 4,211.1    | 98,289.6    |
| 13. REACTOR RESERVE SHUTDOWN HOURS   | 0.0        | 4.3        | 629.7       |
| 14. HOURS GENERATOR ON LINE  | 720.0      | 4,171.0    | 95,778.5    |
| 15. UNIT RESERVE SHUTDOWN HOURS  | 0.0        | 9.0        | 802.5       |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)   | 1,057,231  | 6,102,964  | 129,638,276 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH)  | 366,790    | 2,106,710  | 43,502,690  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)  | 351,057    | 2,008,380  | 41,370,814  |
| 19. UNIT SERVICE FACTOR  | 100.0      | 63.4       | 78.6        |
| 20. UNIT AVAILABILITY FACTOR   | 100.0      | 63.6       | 79.2        |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)   | 100.5      | 63.0       | 69.4        |
| 22. UNIT CAPACITY FACTOR (USING DER NET)   | 98.1       | 61.5       | 68.3        |
| 23. UNIT FORCED OUTAGE RATE  | 0.0        | 0.0        | 2.5         |
| 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

8410190003 840930  
PDR ADOCK 05000266  
PDR

DOCKET NO. 50-266

UNIT NAME Point Beach Unit 1

DATE October 8, 1984

COMPLETED BY C. W. Krause

TELEPHONE 414/277-2001

AVERAGE DAILY UNIT POWER LEVEL

MONTH September, 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>504</u>   | 11         | <u>502</u>   | 21         | <u>494</u>   |
| 2          | <u>503</u>   | 12         | <u>504</u>   | 22         | <u>401</u>   |
| 3          | <u>460</u>   | 13         | <u>503</u>   | 23         | <u>488</u>   |
| 4          | <u>468</u>   | 14         | <u>499</u>   | 24         | <u>483</u>   |
| 5          | <u>491</u>   | 15         | <u>476</u>   | 25         | <u>502</u>   |
| 6          | <u>482</u>   | 16         | <u>430</u>   | 26         | <u>483</u>   |
| 7          | <u>496</u>   | 17         | <u>486</u>   | 27         | <u>501</u>   |
| 8          | <u>503</u>   | 18         | <u>504</u>   | 28         | <u>504</u>   |
| 9          | <u>463</u>   | 19         | <u>501</u>   | 29         | <u>497</u>   |
| 10         | <u>500</u>   | 20         | <u>501</u>   | 30         | <u>500</u>   |
|            |  |            |  | 31         | <u></u>  |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1984DOCKET NO. 50-266UNIT NAME Point Beach Unit. 1DATE October 8, 1984COMPLETED BY C. W. KrauseTELEPHONE 414/277-2001

| 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 |
|-----|------|-------------------|---------------------|---------------------|--|------------------------------|-----------------------------|--------------------------------|--|
|     |      |                   |                     |                     |  |                              |                             |                                |  |

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-Instruc-

tions for Prepar-

ation 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: October 8, 1984  
Completed By: C. W. Krause  
Telephone: 414/277-2001

Unit 1 operated at approximately 490 MWe net throughout the period with no shutdowns or significant load reductions. Primary-to-secondary leakage is less than 10 gallons per day.

During review of the reload transition safety report submitted to the Licensee by Westinghouse Electric Corporation, the reviewing engineer noted that the new subcritical uncontrolled rod cluster control assembly (RCCA) withdrawal accident analysis assumed operation of at least one reactor coolant pump in the basis of the analysis. This was more restrictive than actual past operation of both units as allowed by Technical Specification 15.3.1.A. Further clarification by Westinghouse resulted in determining that the present subcritical uncontrolled RCCA withdrawal accident analysis also included operation of at least one reactor coolant pump in its basis. Administrative controls were immediately implemented in an Operations special order to ensure that a control rod drive mechanism (CRDM) is not energized unless at least one reactor coolant pump is in operation, and if both reactor coolant pumps cease operation, then all control rods will be fully inserted and all CRDM's will be deenergized as soon as possible. The Senior Resident Inspector was notified of this event and Licensee Event Report 84-005-00 further describes the discovery and corrective action.

On September 11, 1984, the plant conducted the annual Emergency Plan drill. An exit meeting with NRC observers revealed no major findings.

During the period, the Unit 1 auxiliary safety instrumentation panel was moved into position in the control room. Work continues on this modification.

Also during the period, final testing of the new Halon fire suppression system was completed. The system serves the cable spreading room and the auxiliary feedwater pump room.

The semi-annual Unit 1 containment purge supply and exhaust valves were successfully completed on September 21, 1984.

Other safety-related maintenance conducted included the completion of the 4D emergency Diesel annual inspection, refueling water storage tank level transmitter changeouts, the periodic oil change and inservice testing of P38A and P38B auxiliary feedwater pumps, miscellaneous blowdown evaporator repairs, and repairs to D400 fire protection panel.

# OPERATING DATA REPORT

DOCKET NO. 50-301

DATE October 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: SEPTEMBER 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  | 720        | 6,575      | 106,656     |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL   | 659.6      | 6,489.2    | 94,917.4    |
| 13. REACTOR RESERVE SHUTDOWN HOURS   | 0.0        | 8.8        | 207.1       |
| 14. HOURS GENERATOR ON LINE  | 652.0      | 6,417.9    | 93,320.7    |
| 15. UNIT RESERVE SHUTDOWN HOURS  | 0.0        | 15.4       | 198.1       |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)   | 921,284    | 9,542,695  | 130,437,472 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH)  | 315,720    | 3,229,550  | 44,189,380  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)  | 300,283    | 3,084,694  | 42,085,294  |
| 19. UNIT SERVICE FACTOR  | 90.6       | 97.6       | 87.5        |
| 20. UNIT AVAILABILITY FACTOR   | 90.6       | 97.8       | 87.7        |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)   | 86.0       | 96.7       | 80.3        |
| 22. UNIT CAPACITY FACTOR (USING DER NET)   | 83.9       | 94.4       | 79.4        |
| 23. UNIT FORCED OUTAGE RATE  | 0.0        | 0.0        | 1.3         |
| 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: NOVEMBER 15, 1984

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



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

AVERAGE DAILY UNIT POWER LEVEL

MONTH September, 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>493</u>   | 11         | <u>477</u>   | 21         | <u>446</u>   |
| 2          | <u>492</u>   | 12         | <u>476</u>   | 22         | <u>437</u>   |
| 3          | <u>491</u>   | 13         | <u>474</u>   | 23         | <u>435</u>   |
| 4          | <u>488</u>   | 14         | <u>458</u>   | 24         | <u>434</u>   |
| 5          | <u>489</u>   | 15         | <u>445</u>   | 25         | <u>450</u>   |
| 6          | <u>479</u>   | 16         | <u>444</u>   | 26         | <u>449</u>   |
| 7          | <u>481</u>   | 17         | <u>444</u>   | 27         | <u>443</u>   |
| 8          | <u>483</u>   | 18         | <u>450</u>   | 28         | <u>13</u>  |
| 9          | <u>481</u>   | 19         | <u>446</u>   | 29         | <u>-9</u>  |
| 10         | <u>480</u>   | 20         | <u>448</u>   | 30         | <u>-8</u>  |
|            |  |            |  | 31         | <u>      </u>  |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1984

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

| 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   | 840928 | S                 | 68.0                | C                   | 1  | N/A                          | ZZ                          | ZZZZZZ                         | Commenced 47-day refueling outage.                   |

<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

## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

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

Unit 2 operated at approximately 480 MWe net throughout the period. Unit capacity decreased to approximately 450 MWe net near mid-month as end-of-core life approached. At 0404 hours on September 28, the generator was taken off line in preparation for the unit's tenth refueling outage. The unit operated 422.8 days with 4 shutdowns totaling 125.7 hours since its last refueling. The unit surpassed 44 billion kilowatt-hours on September 11, 1984. Primary-to-secondary leakage during operation remained less than 10 gallons per day.

While in the process of shutting down the plant, Unit 2 experienced a subcritical reactor trip from source range channel N31. The channel was not placed in the trip bypass mode prior to removing the instrument buses to deenergize a failing source range detector. This event is considered reportable within the scope of the new Licensee Event Report rules and the NRC Region was notified via the red phone at 1208 hours on September 28, approximately 31 minutes after the trip.

Primary plant activities scheduled for the next 6 weeks include Spec 200 system startup and calibrations, reactor coolant loose parts monitoring system installation, replacement of 36 incore flux monitoring thimbles, recalibration of 20 resistance temperature detectors (RTD's), and steam generator eddy current testing.

Secondary plant activities include the replacement of the extraction steam piping, replacement of the feedwater sample panel, modifications to the P250 computer, eddy current testing of feedwater heaters and condensers, and the continuing installation of the auxiliary safety instrumentation panel.





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

October 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  
September 1984.

Very truly yours,

Vice President-Nuclear Power

C. W. Fay

Attachments

Copies to J. G. Keppler - NRC, Region III  
NRC Resident Inspector  
R. S. Cullen - PSCW

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