

# OPERATING DATA REPORT

DOCKET NO. 50-266

DATE November 9, 1981

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

## OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 1
2. REPORTING PERIOD: OCTOBER 1981
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): 495.
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): 445.0
10. REASONS FOR RESTRICTIONS, (IF ANY): Maximum dependable capacity reduced because of self-imposed hot leg temperature limitation in an attempt to limit steam generator tube corrosion.

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	745	7,296	96,312
12. NUMBER OF HOURS REACTOR WAS CRITICAL	200.0	6,368.5	79,803.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	1.3	607.0
14. HOURS GENERATOR ON LINE	193.4	6,338.8	77,475.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	764.3
16. GROSS THERMAL ENERGY GENERATED (MWH)	257,443	7,912,401	106,750,845
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	84,440	2,563,760	35,823,480
18. NET ELECTRICAL ENERGY GENERATED (MWH)	78,809	2,429,079	34,096,365
19. UNIT SERVICE FACTOR	26.0	86.9	80.4
20. UNIT AVAILABILITY FACTOR	26.0	86.9	81.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	21.4	67.3	72.6
22. UNIT CAPACITY FACTOR (USING DER NET)	21.3	67.0	71.2
23. UNIT FORCED OUTAGE RATE	0.0	0.2	3.1
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: DECEMBER 6, 1981

# OPERATING DATA REPORT

DOCKET NO. 50-301

DATE November 9, 1981

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

## OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2
2. REPORTING PERIOD: OCTOBER 1981
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): 495.
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	745	7,296	81,097
12. NUMBER OF HOURS REACTOR WAS CRITICAL	736.3	6,383.5	72,933.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	6.7	193.0
14. HOURS GENERATOR ON LINE	731.8	6,315.2	71,613.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	54.1	178.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,088,553	9,312,654	98,102,400
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	375,340	3,162,920	33,286,770
18. NET ELECTRICAL ENERGY GENERATED (MWH)	358,455	3,016,086	31,679,507
19. UNIT SERVICE FACTOR	98.2	86.6	88.3
20. UNIT AVAILABILITY FACTOR	98.2	87.3	88.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.2	83.5	79.6
22. UNIT CAPACITY FACTOR (USING DER NET)	96.8	83.2	78.6
23. UNIT FORCED OUTAGE RATE	0.0	0.0	1.7

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
Refueling outage April 16, 1982, expected to last approximately six weeks.

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1981DOCKET NO. 50-266UNIT NAME Point Beach Unit 1DATE November 9, 1981COMPLETED BY C. W. FayTELEPHONE 414/277-2811

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
5	811009	S	551.6	C	1	N/A	N/A	N/A	The unit was shut down for its annual refueling outage. Major work items to be performed during the outage include eddy current inspection and test sleeving of the steam generators, radiographic inspection of the "B" reactor coolant pump, containment fire detectors, transmitter changeout, and TMI conduit work, and turbine work. The unit is scheduled to return to service on December 6, 1981.

<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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1981DOCKET NO. 50-301UNIT NAME Point Beach Unit 2DATE November 9, 1981COMPLETED BY C. W. FayTELEPHONE 414/277-2811

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	Cause and Corrective Action To Prevent Recurrence
5	811003	S	13.2	B	1	N/A	ZZ	ZZZZZZ	The unit was taken off line for repair of excessive steam leakage from the after high pressure turbine access balancing port.

<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

DOCKET NO. 50-266  
UNIT NAME Point Beach Unit 1  
DATE November 9, 1981  
COMPLETED BY C. W. Fay  
TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH October, 1981

<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>419</u>	11	<u>-7</u>	21	<u>-1</u>
2	<u>421</u>	12	<u>-2</u>	22	<u>-1</u>
3	<u>419</u>	13	<u>-2</u>	23	<u>-2</u>
4	<u>421</u>	14	<u>-2</u>	24	<u>-2</u>
5	<u>418</u>	15	<u>-2</u>	25	<u>-2</u>
6	<u>416</u>	16	<u>-2</u>	26	<u>-2</u>
7	<u>415</u>	17	<u>-2</u>	27	<u>-1</u>
8	<u>408</u>	18	<u>-2</u>	28	<u>-1</u>
9	<u>-6</u>	19	<u>-2</u>	29	<u>-1</u>
10	<u>-9</u>	20	<u>-2</u>	30	<u>-1</u>
				31	<u>-1</u>

DOCKET NO. 50-301

UNIT NAME Point Beach Unit 2

DATE November 9, 1981

COMPLETED BY C. W. Fay

TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH October, 1981

<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>494</u>	11	<u>496</u>	21	<u>493</u>
2	<u>494</u>	12	<u>494</u>	22	<u>494</u>
3	<u>132</u>	13	<u>494</u>	23	<u>494</u>
4	<u>465</u>	14	<u>494</u>	24	<u>495</u>
5	<u>472</u>	15	<u>494</u>	25	<u>493</u>
6	<u>497</u>	16	<u>493</u>	26	<u>495</u>
7	<u>494</u>	17	<u>496</u>	27	<u>497</u>
8	<u>495</u>	18	<u>500</u>	28	<u>490</u>
9	<u>496</u>	19	<u>486</u>	29	<u>494</u>
10	<u>497</u>	20	<u>494</u>	30	<u>495</u>
				31	<u>496</u>



## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-266  
Unit Name Point Beach Unit 1  
Date November 9, 1981  
Completed By C. W. Fay  
Telephone 414/277-2811

Unit 1 operated at 417 MWe net with no load reductions until 2243 hours on October 8, 1981, when load reduction in preparation for the refueling outage commenced. At 0125 hours on October 9, 1981, Unit 1 was taken off line for Refueling 9. Reactor shutdown was completed the same day at 0800 hours.

Following cooldown, a successful 10-year hydrostatic test was performed on the main steam and feedwater systems, including the steam generators. A containment integrated leak rate test (ILRT) was performed between October 12, 1981 and October 14, 1981. Prior to containment leak rate testing, the depressurization system was installed. This required a leak test of the service air containment isolation check valve. The valve failed its initial test, as noted below (Licensee Event Report No. 81-014/01T-0). After containment pressurization was initiated, a visual inspection of containment at 5 psig was performed and no detectable leaks were noted. The results of testing done at the test pressure of 45 psia also proved to be satisfactory, including the verification phase.

Steam generator work performed during October included sludge lancing, which was completed on October 20, 1981. Twenty-three gallons of sludge were removed from the "A" steam generator and 19 gallons were removed from the "B" steam generator. On October 24, 1981, a leak test of the "B" steam generator was performed; one dripping (2-3 per minute) explosive plug, 2 wet end explosive plugs, and 4 explosive plugs coated with boric acid were observed. Decontamination of the "A" steam generator channelhead was started on October 24, 1981 and completed on October 26, 1981. Eddy current examination of the steam generator tubes was conducted from October 26, 1981 to October 30, 1981. Ten tubes in the "A" steam generator and 7 tubes in the "B" steam generator were verified to have degradations greater than the 40% plugging limit. These tubes are scheduled to be plugged or sleeved later in the outage. In addition, eddy current results showed 5 tubes with 20% to 40% indications (2 in the cold leg), 3 tubes with less than 20% indications and 15 tubes with undefinable indications in the "A" steam generator; and 3 tubes with 20% to 40% indications and one tube with an undefinable indication in the "B" steam generator. A licensee event report will be filed regarding the degraded steam generator tubes in accordance with the Technical Specifications.

Two other licensee reportable events concerning Unit 1 occurred during October. On October 10, 1981, while performing a refueling leakage test of Unit 1 containment isolation valves, the service air containment isolation check valve was found to have leakage such that the limit in Technical Specification 15.4.4.III.B was exceeded. The check valve was cleaned, reassembled, and successfully re-tested. This event is covered in Licensee Event Report No. 81-014/01T-0.

Also, on October 10, 1981, during performance of TS-30, High and Low Head Safety Injection Check Valve Leak Test, leakage of approximately 6 gpm past check valve 1-853C was noted. This is greater than the acceptance criteria for a satisfactory leak test of this valve. This event is covered in Licensee Event Report No. 81-015/01T-0.

There were also two reportable events common to both units occurring during the period. On October 16, 1981, the plant smoke detector system was inoperable for approximately 2.5 hours. An error in wiring during backfitting of the fire system caused fuses to blow and the system to deenergize. The event has been determined to be reportable and a licensee event report will be filed.

On October 16, 1981, Westinghouse notified Point Beach Nuclear Plant of a potential safety hazard concerning the performance of the Westinghouse manufactured NBFD relay. This event is reportable in accordance with Technical Specification 15.6.9.2.A.9. A 24-hour written notification has been filed and a 14-day followup report will be filed.

Safety-related maintenance performed during the period consisted of routine refueling maintenance plus work on tube sleeving in the "A" steam generator. A complete core unloading was performed in preparation for an examination of the "B" reactor coolant pump and maintenance of portions of the residual heat removal system.



## NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-301  
Unit Name Point Beach Unit 2  
Date November 9, 1981  
Completed By C. W. Fay  
Telephone 414/277-2811

Unit 2 operated at an average level of 495 MWe net throughout the period except for one brief maintenance outage and three load reductions at the request of the Power Supply Supervisor. A scheduled outage for repair of excessive steam leakage from the after high pressure turbine access balancing port was conducted from 0303 hours to 0412 hours on October 3, 1981. The steam leakage was successfully repaired. The three load reductions took place on October 1, 1981 to 470 MWe for one hour, on October 4, 1981 to 390 MWe for 8.5 hours, and on October 5, 1981 to 400 MWe for 5.5 hours.

One reportable event occurred during the period. At 2227 hours on October 22, 1981, during routine operations, the NRC Resident Inspector noted that the status light for valve 2SI-866A, (high head "A" safety injection pump discharge valve) indicated the valve to be in the shut position. This motor-operated gate valve serves as an isolation valve for the "A" train. This event is reportable in accordance with Technical Specification 15.6.9.2.A.6. A 24-hour written notification has been filed and a 14-day followup report will be filed.

Safety-related maintenance performed during the period consisted of replacing a switch in the "B" safeguards train.

SUPPLEMENT TO MONTHLY REPORT FOR October 1981

## REFUELING INFORMATION REQUEST

In accordance with our letter dated February 21, 1978, which provided certain refueling information, we are providing the following update to that refueling information: (NC = No Change)

- |   |                                 |
|---|---------------------------------|
| a) Next Scheduled Refueling Shutdown:                                 | Unit 1: <u>10/1/82</u>          |
|   | Unit 2: <u>4/16/82</u>          |
| b) Scheduled Date for Restart:  | Unit 1: <u>12/17/82</u>         |
|   | Unit 2: <u>6/11/82</u>          |
| c) License Amendment Required/Staff<br>10 CFR 50.59 Review Completed: | Unit 1: <u>None Anticipated</u> |
|   | Unit 2: <u>None Anticipated</u> |
| d) Scheduled Date for Submitting<br>Supporting Information:           | Unit 1: <u>August 1982</u>      |
|   | Unit 2: <u>January 1982</u>     |
| e) Important Licensing Considerations:                                | Unit 1: <u>None</u>             |
|   | Unit 2: <u>None</u>             |
| f) Number of Fuel Assemblies in Storage Pool:                         | <u>344</u>                      |
| g) Other:   |                                 |