OPERATING DATA REPORT

DOCKET NO. 50-266

DATE March 6, 1980

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 1
2. REPORTING PERIOD: FEBRUARY 1980
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.

NOTES

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): 390.0
10. REASONS FOR RESTRICTIONS, (IF ANY): Power restriction is the result of a self-imposed reduction in core average temperature in an attempt to inhibit corrosion of steam generator tubes within the tubesheet crevice.

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	696	1,440	81,672
12. NUMBER OF HOURS REACTOR WAS CRITICAL	685.7	1,429.7	67,946.2
13. REACTOR RESERVE SHUTDOWN HOURS	10.3	10.3	592.5
14. HOURS GENERATOR ON LINE	671.7	1,415.7	65,809.7
15. UNIT RESERVE SHUTDOWN HOURS	24.3	24.3	626.7
16. GROSS THERMAL ENERGY GENERATED (MWH)	811,187	1,696,614	92,449,409
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	263,090	554,070	31,187,820
18. NET ELECTRICAL ENERGY GENERATED (MWH)	249,152	525,243	29,715,421
19. UNIT SERVICE FACTOR	96.5	98.3	80.6
20. UNIT AVAILABILITY FACTOR	100.0	100.0	81.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	72.3	73.7	74.8
22. UNIT CAPACITY FACTOR (USING DER NET)	72.0	73.4	73.2
23. UNIT FORCED OUTAGE RATE	0.0	0.0	3.5

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

None scheduled.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: MARCH 21, 1980

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

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE March 6, 1980

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2
2. REPORTING PERIOD: FEBRUARY 1980
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.

NOTES

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	696	1,440	66,457
12. NUMBER OF HOURS REACTOR WAS CRITICAL	650.4	1,394.4	60,291.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	166.1
14. HOURS GENERATOR ON LINE	650.4	1,394.4	59,121.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	106.4
16. GROSS THERMAL ENERGY GENERATED (MWH)	974,189	2,085,691	79,738,227
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	322,809	692,500	27,053,840
18. NET ELECTRICAL ENERGY GENERATED (MWH)	307,968	661,372	25,736,499
19. UNIT SERVICE FACTOR	93.4	96.8	89.0
20. UNIT AVAILABILITY FACTOR	93.4	96.8	89.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	89.4	92.8	79.0
22. UNIT CAPACITY FACTOR (USING DER NET)	89.0	92.4	77.9
23. UNIT FORCED OUTAGE RATE	6.6	3.2	1.5

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

Refueling shutdown scheduled for April 11, 1980, to last approximately five weeks.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: MARCH 13, 1980

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February, 1980

DOCKET NO. 50-266
UNIT NAME Point Beach Unit 1
DATE March 6, 1980
COMPLETED BY C. W. Fay
TELEPHONE 414/277-2811

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report No.	System Code[4]	Component Code[5]	Cause and Corrective Action To Prevent Recurrence
1	800228	S	24.3	D	1		CB	HTEXCH	The unit was taken off line in accordance with an NRC Confirmatory Order of November 30, 1979 which required shutdown within 60 effective full power days of operation for performance of steam generator leak testing and eddy current inspection. Unit 1 inspections will begin upon completion of similar work currently being performed on Unit 2.

[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

AD-28B
(01-78)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February, 1980

DOCKET NO. 50-301
UNIT NAME Point Beach Unit 2
DATE March 6, 1980
COMPLETED BY C. W. Fay
TELEPHONE 414/277-2811

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report No.	System Code[4]	Component Code[5]	Cause and Corrective Action To Prevent Recurrence
1	800228	F	45.6	A	1	80-002/01T-0	CB	HTEXCI	An orderly shutdown of the unit was completed at 0224 hours on February 28, 1980, following confirmation of primary-to-secondary leakage of 1,420 gallons per day in the "A" steam generator. A static head leak check identified the defective tube and subsequent eddy current inspection placed the defect at 10" above the tube end on the hot leg side. Following completion of eddy current inspection, the leaking tube and any other defective tubes will be plugged and a hydrostatic test performed.

[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

AD-28B
(01-78)

DOCKET NO. 50-266

UNIT NAME Point Beach Unit 1

DATE March 6, 1980

COMPLETED BY C. W. Fay

TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH February, 1980

DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET
1	371	11	372	21	373
2	370	12	374	22	378
3	367	13	377	23	378
4	368	14	378	24	376
5	371	15	375	25	374
6	368	16	371	26	374
7	367	17	376	27	369
8	370	18	373	28	342
9	371	19	369	29	- 13
10	374	20	370	30	---
				31	---

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(1-77)

DOCKET NO. 50-301

UNIT NAME Point Beach Unit 2

DATE March 6, 1980

COMPLETED BY C. W. Fay

TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH February, 1980

DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET
1	469	11	475	21	476
2	471	12	479	22	483
3	469	13	481	23	483
4	471	14	483	24	483
5	475	15	478	25	475
6	469	16	472	26	473
7	470	17	479	27	468
8	474	18	479	28	10
9	474	19	480	29	- 7
10	456	20	482	30	---
				31	---

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(1-77)

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-266
Unit Name Point Beach Unit 1
Date March 6, 1980
Completed By C. W. Fay
Telephone 414/277-2811

Unit 1 was base loaded for the period with no load reductions and one shutdown. The unit generated its 31 billionth kilowatt hour at 0130 hours on February 9, 1980.

The unit has been operating at a slightly reduced efficiency because of increased circulating water temperatures caused by ice melt operation. The unit was taken off line at 2343 hours on February 28, 1980 in accordance with the NRC Confirmatory Order dated November 30, 1979 which required unit shutdown after 60 effective full power days of operation to perform steam generator leak checks and eddy current inspection. However, commencement of this inspection is being deferred until completion of similar inspections of the Unit 2 steam generators. Unit 1 primary-to-secondary leakage at the time it was taken off line was approximately 30 gallons per day and had been stable at this figure throughout the period of operation since the previous startup on December 23, 1979.

Licensee Event Report No. 80-001/01T was filed as a result of isolation of both motor-driven auxiliary feed pump pressure transmitters for a period of seven days. These transmitters allow the feed pump discharge valves to control feed pump discharge pressure. With the transmitter valves closed, the pump discharge valves would not have opened automatically if the motor-driven auxiliary feed pumps were started. Valve position and discharge flow indication along with manual control of the valves were available on the control board, however, to allow operator action to assure auxiliary feedwater supply if it had been required. Modifications have been completed to allow the pressure transmitter isolation valves to be placed in a "locked open" position.

The Unit 1 "B" reactor coolant pump seal leakage was below normal throughout the period, but is stable and at a sufficient level to provide adequate seal lubrication along with cooling to the pump lower bearings. An inspection of the pump seals will be performed during the current steam generator inspection outage.

Reracking of the south spent fuel pit is in progress and the old racks are currently being crated and shipped off site.

The 3D diesel generator governor was replaced during the period.

Construction of on-site radioactive waste temporary storage vaults located just behind the Unit 1 facade has been completed except for cleanup and minor finishing work.

Work continues on IE Bulletin Nos. 79-02, anchor bolt inspection, and 79-14, seismic analysis for as-built safety related piping systems.

No other major safety-related maintenance was performed during the period.

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-301
Unit Name Point Beach Unit 2
Date March 6, 1980
Completed By C. W. Fay
Telephone 414/277-2811

Unit 2 was base loaded for most of the period with two load reductions and one shutdown. The unit generated its 27 billionth kilowatt hour at 1220 hours on February 23, 1980.

Unit load was reduced for nine and one-half hours on February 10, 1980 to 380 MWe net for turbine stop valve testing, and again on February 21, 1980 to 460 MWe net for approximately six hours because of a turbine runback caused by a momentary loss of power on the red instrument bus. The unit was shut down at 0225 hours on February 28, 1980 following confirmation of primary-to-secondary leakage of 1,420 gallons per day in the "A" steam generator. The leak had begun as a slight indication about noon the previous day. A static head leak check identified the defective tube, and a subsequent eddy current inspection placed the defect at ten inches above the tube end; i.e., deep in the crevice region of the tubesheet. An 800 psi hydrostatic test of the "B" steam generator revealed no leaking tubes or plugs. The previously scheduled refueling outage steam generator eddy current inspection is being performed during this outage. Following completion of the inspection, the leaking tube and all tubes with indications greater than the plugging limit will be plugged and a hydrostatic test performed. Licensee Event Report No. 80-002/01T is being prepared on this event.

The unit has been operating at a slightly reduced efficiency because of increased circulating water temperatures caused by ice melt operation; also, the unit has been operating in the core stretch mode since 2150 hours on February 20, 1980.

Licensee Event Report No. 80-001/01T was filed regarding the loss of power range channel redundancy. At 1831 hours on February 21, 1980 a momentary loss of the red instrument bus generated a negative spike which caused power range Channel N41 to fail low. Failure of the power range channel resulted in a loss of redundancy until the bistable was placed in the tripped mode eleven minutes later, in accordance with ICP 10.2. The negative power spike was caused by a faulty capacitor in the 2DY01 power supply. The Channel N41 fuses were replaced, the red instrument bus shifted to the alternate power supply and all bistables returned to normal at 1858 hours on February 21, 1980. The faulty capacitor was replaced the following day and the red instrument bus was returned to the normal power supply at that time.

Work continues on IE Bulletin Nos. 79-02, anchor bolt inspection, and 79-14, seismic analysis for as-built safety related piping systems.

No other major safety-related maintenance was performed during the period.