

OPERATING DATA REPORT

DOCKET NO. 50-266

DATE June 8, 1981

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

OPERATING STATUS

1. UNIT NAME:	AT BEACH NUCLEAR PLANT UNIT 1	NOTES
2. REPORTING PERIOD:	MAY 1981	
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):	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):	390.0	
10. REASONS FOR RESTRICTIONS, (IF ANY): SEE ATTACHMENT 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	744	3,623 92,639
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,620.0 77,054.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.3 606.0
14. HOURS GENERATOR ON LINE	744.0	3,614.0 74,750.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0 764.3
16. GROSS THERMAL ENERGY GENERATED (MWH)	902,360	4,354,019 103,192,463
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	291,750	1,412,150 34,671,870
18. NET ELECTRICAL ENERGY GENERATED (MWH)	276,017	1,339,271 33,006,557
19. UNIT SERVICE FACTOR	100.0	99.8 80.7
20. UNIT AVAILABILITY FACTOR	100.0	99.8 81.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	74.9	74.7 73.1
22. UNIT CAPACITY FACTOR (USING DER NET)	74.6	74.4 71.7
23. UNIT FORCED OUTAGE RATE	0.0	0.2 3.2
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Steam generator eddy current inspection July 4, 1981, expected to last two weeks. Refueling - October 9, 1981, expected to last seven weeks.		
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

DOCKET NO. 50-266

UNIT NAME Point Beach Unit 1

DATE June 8, 1981

COMPLETED BY C. W. Fay

TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH May, 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>370</u>	11	<u>371</u>	21	<u>371</u>
2	<u>370</u>	12	<u>371</u>	22	<u>374</u>
3	<u>375</u>	13	<u>371</u>	23	<u>374</u>
4	<u>366</u>	14	<u>369</u>	24	<u>373</u>
5	<u>370</u>	15	<u>372</u>	25	<u>373</u>
6	<u>371</u>	16	<u>370</u>	26	<u>373</u>
7	<u>370</u>	17	<u>354</u>	27	<u>373</u>
8	<u>372</u>	18	<u>372</u>	28	<u>372</u>
9	<u>371</u>	19	<u>371</u>	29	<u>372</u>
10	<u>372</u>	20	<u>372</u>	30	<u>373</u>
				31	<u>373</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1981DOCKET NO. 50-266UNIT NAME Point Beach Unit 1DATE June 8, 1981COMPLETED BY C. W. FayTELEPHONE 414/277-2811

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting ³ Down Reactor	Licensee Event Report No.	System Code ⁴	Component Code	Cause and Corrective Action To Prevent Recurrence
1	810517	S	0	H	4	N/A	ZZ	ZZZZZZ	Power reduction from 80% to 50% power as directed by the Power System Supervisor.
2	810511	F	0	A	4	N/A	ZZ	ZZZZZZ	A control power fuse blew while performing a nuclear instrumentation system check. This resulted in a turbine runback from 80% to 60% power.

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 June 8, 1981
Completed By C. W. Fay
Telephone 414/277-2811

Unit 1 operated at 390 MWe net throughout the period with three load reductions. On May 11, 1981, at 1630 hours, while performing a nuclear instrument check on power range Channel 41, a control power fuse, associated with the turbine runback circuit, blew, causing a turbine runback from 390 MWe net to 297 MWe net. Following replacement of the fuse and a faulty diode in the turbine runback circuit, Unit 1 was returned to 390 MWe net ten minutes later. On May 16, 1981, at 0300 hours, load reduction was commenced to accommodate Technical Specification valve testing. At the request of the Power System Supervisor, load reduction was discontinued at 382 MWe net and Unit 1 was restored to 390 MWe net. On May 17, 1981, at 0300 hours, load was reduced to 275 MWe net at the request of the Power System Supervisor. Unit 1 was restored to 390 MWe net at 0900 hours, on May 17, 1981.

Safety-related maintenance for the period included repairs to the control room emergency filtration system.

On May 15, 1981, at 1100 hours, during Technical Specification testing, the control room emergency filtration system was found to be inoperable. The overall system flow rates were below the requirements of Technical Specification 15.3.12.2.C. The low system flow rate was due to an improperly balanced backdraft damper located downstream of the fan discharge of fan W14A, and an improperly adjusted balancing damper located just upstream of the system's roughing filter. The dampers were adjusted and the system was tested satisfactorily. The control room emergency filtration system was returned to service at 0700 hours, on May 20, 1981. This occurrence is reportable in accordance with Technical Specification 15.6.9.2.B.2 as a 30 day report. (Licensee Event Report 81-005/03L-0)

On May 13, 1981, the 3D Diesel generator would not close in on the bus during the performance of the revised operations refueling test (ORT) #3, Safeguards Actuation with Loss of AC. The test called for manually opening the generator breaker following automatic bus energization on loss of AC and then manually closing the breaker to assure that the system will resequence the bus loads. It was

determined that the performance of this portion of the revised ORT required additional specific breaker operating procedures to allow manual closing of the breaker. On May 20, 1981, at 0615 hours, the 3D Diesel generator was retested satisfactorily using the modified procedure. This event was not a reportable occurrence, but has been documented as a significant operating event for training purposes.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE June 8, 1981

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2 NOTES .
2. REPORTING PERIOD: MAY 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): none
10. REASONS FOR RESTRICTIONS, (IF ANY): SEE ATTACHMENTS

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	3,623	77,424
12. NUMBER OF HOURS REACTOR WAS CRIT	242.9	2,791.5	69,341.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	186.3
14. HOURS GENERATOR ON LINE	175.7	2,721.2	68,019.7
15. UNIT RESERVE SHUTDOWN HOURS	3.3	6.3	130.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	186,873	3,982,762	92,72,508
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	61,520	1,345,960	31,469,810
18. NET ELECTRICAL ENERGY GENERATED (MWH)	55,153	1,282,937	29,946,358
19. UNIT SERVICE FACTOR	23.6	75.1	87.9
20. UNIT AVAILABILITY FACTOR	24.1	75.3	88.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	15.0	71.5	78.8
22. UNIT CAPACITY FACTOR (USING DER NET)	14.9	71.2	77.8
23. UNIT FORCED OUTAGE RATE	0.0	0.0	1.8
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~~ June 1, 1981

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

POOR ORIGINAL

DOCKET NO. 50-301

UNIT NAME Point Beach Unit 2

DATE June 8, 1981

COMPLETED BY C. W. Fay

TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH May, 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>- 1</u>	11	<u>- 2</u>	21	<u>-11</u>
2	<u>- 2</u>	12	<u>- 2</u>	22	<u>35</u>
3	<u>- 2</u>	13	<u>- 2</u>	23	<u>229</u>
4	<u>- 2</u>	14	<u>- 3</u>	24	<u>348</u>
5	<u>- 2</u>	15	<u>- 3</u>	25	<u>394</u>
6	<u>- 2</u>	16	<u>- 8</u>	26	<u>464</u>
7	<u>- 2</u>	17	<u>-13</u>	27	<u>480</u>
8	<u>- 2</u>	18	<u>-11</u>	28	<u>463</u>
9	<u>- 2</u>	19	<u>-10</u>	29	<u>- 6</u>
10	<u>- 2</u>	20	<u>-10</u>	30	<u>- 8</u>
				31	<u>- 9</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1981DOCKET NO. 50-301UNIT NAME Point Beach Unit 2DATE June 8, 1981COMPLETED BY C. W. FayTELEPHONE 414/277-2811

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting ³ Down Reactor	Licensee Event Report No.	System Code ⁴	Component Code	Cause and Corrective Action To Prevent Recurrence
1	810417	S	501.1	C	1	N/A	ZZ	ZZZZZZ	The unit was shutdown for its annual refueling outage. Unit 2 was taken critical on May 21, 1981, at 2106 hours and placed on line 0902 hours on May 22, 1981.
2	810529	S	65.5	E	1	N/A	ZZ	ZZZZZZ	The unit was shutdown for license exam startups. Unit 2 was taken critical at 2254 hours on May 31, 1981, and placed on line at 0102 hours on June 1, 1981.

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. 50-301
Unit Name Point Beach Unit 2
Date June 8, 1981
Completed By C. W. Fay
Telephone 414/277-2811

Unit 2 Refueling was completed on May 21, 1981 after a 34 day outage.

Refueling work continued during the shutdown period of May. Sludge lancing of "A" and "B" steam generators commenced on May 2, 1981, and was completed on May 5, 1981, after a short delay due to a service air compressor problem.

The reactor vessel head was lifted to 1230 hours on May 1, 1981, followed by the commencement of fuel movement at 0812 hours on May 4, 1981. During fuel shuffling operations, at 0015 hours, on May 5, 1981, while attempting to engage fuel assembly H-78 in core location J-9, the gripper partially engaged the fuel assembly above the nozzle plate and below the springs. Attempts to disengage and reengage the assembly were unsuccessful. At 1200 hours on May 5, 1981, adequate engagement of all four springs was verified and the assembly was moved to the upender from the core. The gripper was disengaged from the assembly springs at 1800 hours, on May 5, 1981, and the assembly was inspected for evidence of damage. No damage was noted during the inspection and fuel assembly H-78 was returned to its new core location. Fuel movement was completed at 2130 hours on May 7, 1981.

On May 8, 1981, the reactor vessel upper internals were installed, the control rods were latched, and the reactor vessel head was installed. The reactor vessel studs were installed on May 11, 1981, and tensioned on May 12, 1981. On May 14, 1981, the reactor coolant system fill and vent was completed.

Heatup of Unit 2 reactor coolant system commenced on May 16, 1981, at 2327 hours. Unit 2 was taken critical at 2106 hours, on May 21, 1981, followed by steam line heatup commencing at 2300 hours the same day. Unit 2 was placed on line at 0902 hours and loaded to 99 MWe net at 1050 hours, on May 22, 1981. At 2232 hours, on May 22, 1981, Unit 2 was taken off line for turbine overspeed trip testing. Following satisfactory overspeed trip testing, Unit 2 was placed on line at 0448 hours, on May 23, 1981, and it was at full load at 1000 hours on May 26, 1981.

Unit 2 operated at 490 MWe net until 2321 hours on May 28, 1981, at which time a load reduction was commenced for a unit shutdown to support NRC licensing exams and repair of leaking turbine stop valves. The unit was off line at 0133 hours on May 29, 1981. Following completion of the NRC licensing exams and repair of the turbine stop valves, the unit was placed on line at 0102 hours and returned to full load at 1600 hours on June 1, 1981.

During normal operations at 1250 hours, on May 26, 1981, attempts to remotely cycle "A" steam generator blowdown sample isolation valve, 2CV-2083, were unsuccessful. Failure of 2CV-2083, a containment isolation valve, to close when actuated is a technical violation of containment integrity as defined in Technical Specification 15.1.d. Failure of 2CV-2083 to close upon actuation was due to excessive stem to packing friction resulting from dried out packing. The packing was adjusted, the stem was lubricated, and the valve was tested satisfactorily and returned to operation at 1330 hours, on May 26, 1981. This occurrence is reportable as a 14 day report in accordance with Technical Specification 15.6.9.2.A.2. (Licensee Event Report No. 81-003/01T-0)

On May 29, 1981, at 0256 hours, "B" steam generator main steam stop, 2CV-2017, failed to shut upon remote manual actuation during a routine shutdown. Immediate investigation revealed the two vent valves for the air operator of 2CV-2017 failed to open, preventing the closure of 2CV-2017. Vent valve 2SV-2017C was tripped and 2CV-2017 shut immediately. Both vent valves, 2SV-2017C and 2SV2017D, and main steam stop valve, 2CV-2017, were tested several times prior to returning to power. Both vent valves were replaced on June 1, 1981, due to sluggish operation. This occurrence is reportable as a 14 day report in accordance with Technical Specification 15.6.9.2.A.5. (Licensee Event Report No. 81-004/01T-0)