

OPERATING DATA REPORT

DOCKET NO. 50-266

DATE April 8, 1983

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

OPERATING STATUS

- | | |
|---|-------|
| 1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 1 | NOTES |
| 2. REPORTING PERIOD: MARCH 1983 | |
| 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: | |

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): 390.0
10. REASONS FOR RESTRICTIONS, (IF ANY): Power level restricted because of self-imposed hot leg limitation in attempt to limit steam generator tube corrosion.

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	2,160	108,696
12. NUMBER OF HOURS REACTOR WAS CRITICAL	695.6	2,111.6	89,683.9
13. REACTOR RESERVE SHUTDOWN HOURS	1.4	1.4	625.4
14. HOURS GENERATOR ON LINE	688.9	2,104.9	87,213.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	793.5
16. GROSS THERMAL ENERGY GENERATED (MWH)	799,717	2,447,805	118,396,794
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	267,020	814,740	39,690,530
18. NET ELECTRICAL ENERGY GENERATED (MWH)	252,276	771,956	37,753,674
19. UNIT SERVICE FACTOR	92.6	97.4	80.2
20. UNIT AVAILABILITY FACTOR	92.6	97.4	81.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	68.5	72.2	71.1
22. UNIT CAPACITY FACTOR (USING DER NET)	68.2	71.9	69.9
23. UNIT FORCED OUTAGE RATE	0.7	0.2	2.8

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Twenty-six week refueling and steam generator replacement outage scheduled to commence September 30, 1983.
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NOT SHUTDOWN

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-266

UNIT NAME Point Beach Unit 1DATE April 8, 1983REPORT MONTH March, 1983COMPLETED BY C. W. FayTELEPHONE 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	Cause and Corrective Action To Prevent Recurrence
1	830308	F	4.9	H	3	N/A	IE	RELAYX	Spurious turbine trip caused by contractor inadvertently bumping main steam stop valve relay during NRC-mandated fire system backfit.
2	830319	S	50.2	F	1	N/A	ZZ	ZZZZZZ	Shutdown as a conservative measure to perform maintenance on purge supply valve to diminish containment air leakage.

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

DOCKET NO. 50-266
UNIT NAME Point Beach Unit 1
DATE April 8, 1983
COMPLETED BY C. W. Fay
TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH March, 1983

<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>373</u>	11	<u>372</u>	21	<u>190</u>
2	<u>373</u>	12	<u>372</u>	22	<u>371</u>
3	<u>372</u>	13	<u>371</u>	23	<u>372</u>
4	<u>372</u>	14	<u>371</u>	24	<u>373</u>
5	<u>372</u>	15	<u>372</u>	25	<u>373</u>
6	<u>346</u>	16	<u>371</u>	26	<u>372</u>
7	<u>355</u>	17	<u>373</u>	27	<u>373</u>
8	<u>260</u>	18	<u>373</u>	28	<u>372</u>
9	<u>371</u>	19	<u>72</u>	29	<u>371</u>
10	<u>372</u>	20	<u>-9</u>	30	<u>370</u>
				31	<u>373</u>

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-266
Unit Name Point Beach Unit 1
Date April 8, 1983
Completed By C. W. Fay
Phone 414/277-2811

Unit 1 operated at approximately 371 MWe net throughout the period with two brief outages.

On March 8, 1983, at 1136 hours, contractor personnel inadvertently bumped the "B" train main steam stop valve relay while working on control panel 1C02, sending a spurious trip signal to the Unit 1 turbine. The relay was reset and at 1633 hours the generator was phased back on line. Although this event is not considered LER reportable, the NRC was notified via the red phone. Reactor coolant sampling, as required per the Confirmatory Order for Unit 1 following power transients $>15\%/hour$, resulted in iodine levels ranging from 1.02 to 1.43 $\mu Ci/cc$. These results are reportable (those $>1.0 \mu Ci/cc$) in a letter to the NRC. This was done on a 30-day basis.

On March 19, 1983, it was discovered that air leakage through the containment purge supply valve when totaled with leakage through other penetrations and containment isolation valves was approaching Technical Specification limits. An orderly shutdown was planned to perform maintenance to the containment purge supply valve and the turbine was taken off line at 0632 hours. During the outage, maintenance was also performed on the switchyard motor-operated disconnect BS-2, reactor coolant hot leg bypass valve 1RC-514B, and a body-to-bonnet leak on an unused hot leg safety injection check valve. Heatup of the primary system commenced and the reactor was taken critical at 0407 hours on March 21, 1983 and the generator phased on line at 0846 hours. Unit 1 returned to full power at the hot leg temperature restriction at 1430 hours on March 21, 1983 and remained at that level until the end of the reporting period.

The primary-to-secondary leakage remains stable at less than 10 gallons per day.

On March 9, 1983, emergency Diesel generator 3D failed to start while attempting to perform surveillance testing required by Technical Specification 15.4.6.A.1. Upon investigation, the fuel rack was found to be in the low fuel position. The fuel injector lever was exercised by hand and a start and test run was conducted satisfactorily. Start failure was attributed to the engine governor not returning to its normal start position after the completion of the shutdown signal timing sequence from the previous test run of March 2, 1983. This Woodward type UG8 governor was manually returned to its normal start position and

a special maintenance procedure was effected to ensure the governor returned to its normal start position until the governor is replaced. The redundant emergency diesel was operable during this reportable event, and LER 83-003/01T-0 was sent to the NRC Region III office.

On March 27, 1983, at approximately 2000 hours, an upward trend was observed on the plant vent radiation gas monitor R14. The source of the release was discovered to be loose allen screws which secure the process check valve assembly to the K10B cryogenic gas compressor. The screws were tightened and the release halted. The NRC region office was notified via the red phone and the Resident Inspector was notified. This event was not considered LER reportable.

Other safety-related maintenance completed during the period included seal replacement on the vacuum pump for radiation monitors R11 and R12, the periodic inspection of diesel fire pump P35B, the replacement of 1P29 auxiliary feed pump discharge check valve, and the replacement of "B" train reactor trip relay 1RT7.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE April 8, 1983

COMPLETED BY C. W. FAY

TELEPHONE 414 277 2811

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2
2. REPORTING PERIOD: MARCH 1983
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:
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	744	2,160	93,481
12. NUMBER OF HOURS REACTOR WAS CRITICAL	587.6	2,003.6	84,061.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	196.8
14. HOURS GENERATOR ON LINE	576.9	1,992.9	82,648.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	181.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	869,556	3,007,255	114,522,849
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	292,820	1,009,260	38,810,660
18. NET ELECTRICAL ENERGY GENERATED (MWH)	278,817	965,028	36,953,995
19. UNIT SERVICE FACTOR	77.5	92.3	88.4
20. UNIT AVAILABILITY FACTOR	77.5	92.3	88.6
21. UNIT CAPACITY FACTOR (USING MDC NET)	75.7	90.3	80.4
22. UNIT CAPACITY FACTOR (USING DER NET)	75.4	89.9	79.5
23. UNIT FORCED OUTAGE RATE	0.0	0.0	1.5
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: JUNE 30, 1983

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1983DOCKET NO. 50-301UNIT NAME Point Beach Unit 2DATE April 8, 1983COMPLETED BY C. W. FayTELEPHONE 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	Cause and Corrective Action To Prevent Recurrence
1	830325	S	156.4	C	1	N/A	ZZ	ZZZZZZ	Commenced 14-week refueling and steam generator sleeving outage.

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

DOCKET NO. 50-301

UNIT NAME Point Beach Unit 2

DATE April 8, 1983

COMPLETED BY C. W. Fay

TELEPHONE 414/277-2811

AVERAGE DAILY UNIT POWER LEVEL

MONTH March, 1983

<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>484</u>	11	<u>487</u>	21	<u>485</u>
2	<u>488</u>	12	<u>483</u>	22	<u>487</u>
3	<u>488</u>	13	<u>488</u>	23	<u>485</u>
4	<u>487</u>	14	<u>488</u>	24	<u>472</u>
5	<u>488</u>	15	<u>475</u>	25	<u>-11</u>
6	<u>490</u>	16	<u>472</u>	26	<u>- 9</u>
7	<u>487</u>	17	<u>488</u>	27	<u>- 6</u>
8	<u>489</u>	18	<u>488</u>	28	<u>- 3</u>
9	<u>489</u>	19	<u>488</u>	29	<u>- 3</u>
10	<u>490</u>	20	<u>486</u>	30	<u>- 2</u>
				31	<u>- 2</u>

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-301
Unit Name Point Beach Unit 2
Date April 8, 1983
Completed By C. W. Fay
Phone 414/277-2811

Unit 2 operated at approximately 488 MWe net from the beginning of the period until March 24, 1983, when load was decreased to prepare for the planned 14-week refueling and sleeving outage. The generator was taken off line at 0056 hours on March 25, 1983.

Outage-related items completed during the period included sludge lancing of "A" and "B" steam generators, the stripping of the reactor vessel head and the removal of "C" moisture separator reheater tube bundle for replacement.

On March 16, 1983, while completing Technical Specification testing, primary boric acid heat trace circuit 2P136 was discovered inoperable due to a faulty circuit controller. Circuit 2P136 was one of two heat tracing circuits on the inlet to the emergency borate valve. The controller was replaced, tested satisfactorily and returned to service at 1416 hours on March 18, 1983. The circuit failure is the subject of LER 83-001/03L-0 submitted to the NRC regional office.

On March 29, 1983, at 1143 hours, Unit 2 containment was evacuated because of noble gas concentrations, as a precautionary measure. The release resulted from an operation in which gas from the reactor head was vented to the containment atmosphere. The release did not exceed Technical Specification limitations and was not considered reportable.