OPERATING DATA REPORT

DOCKET NO. 50-266

DATE December 7, 1984

COMPLETED BY C. W. KRAUSE

TELEPHONE 414 277 2001

OPERATING STATUS

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

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	720	8,040	123,336
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5,676.1	99,754.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	4.3	629.7
14. HOURS GENERATOR ON LINE	720.0	5,636.0	97,243.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	9.0	802.5
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,062,356	8,299,488	131,834,800
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	374,210	2,865,700	44,261,680
18. NET ELECTRICAL ENERGY GENERATED (MWH)	358,618	2,735,506	42,097,940
19. UNIT SERVICE FACTOR	100.0	70.1	78.8
20. UNIT AVAILABILITY FACTOR	100.0	70.2	79.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.7	70.2	69.8
22. UNIT CAPACITY FACTOR (USING DER NET)	100.2	68.5	68.7
23. UNIT FORCED OUTAGE RATE	0.0	0.0	2.5

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
    Annual refueling scheduled to commence April 19, 1985.

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

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DOCKET NO. 50-266

UNIT NAME Point Beach Unit 1

DATE December 7, 1984

COMPLETED BY C. W. Krause

TELEPHONE 414/277-2001

AVERAGE DAILY UNIT POWER LEVEL

MONTH November, 1984

DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET
1	502	11	503	21	501
2	500	12	503	22	503
3	393	13	501	23	489
4	500	14	505	24	503
5	501	15	500	25	502
6	502	16	502	26	503
7	504	17	501	27	503
8	503	18	502	28	503
9	504	19	502	29	502
10	505	20	501	30	502
				31	---

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1984

DOCKET NO. 50-266
UNIT NAME Point Beach Unit 1
DATE December 7, 1984
COMPLETED BY C. W. Krause
TELEPHONE 414/277-2001

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
5	841102	S	14.5	B	4	N/A	ZZ	ZZZZZZ	Power reduction to check and plug leaking condenser tubes.

[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)

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No.: 50-266
Unit Name: Point Beach Unit 1
Date: December 7, 1984
Completed By: C. W. Krause
Telephone: 414/277-2001

Unit 1 operated at approximately 501 MWe net throughout the period with one major load reduction. On November 2 & 3, 1984, load was reduced to approximately 263 MWe net for 14.5 hours for the performance of the turbine stop valve test and condenser tube leak checks. The condenser tube leak checks revealed one leaking tube. The plugging of this leaking tube proved effective as the steam generator blowdown cation conductivity improved from 0.6 µmhos/cm to 0.25 µmhos/cm. This improvement is significant and well below the Steam Generator Owner's Group guidelines.

The unit surpassed 44 billion KWH's of generation on November 10, 1984, and the primary-to-secondary steam generator leakage remained at less than 10 gallons per day.

On November 8, 1984, in preparation for maintenance on the 2A03 normal feeder breaker, the bus tie breaker from 1A03 to 2A03 was closed. At that time, the breaker immediately tripped open due to the closing logic. Simultaneously, 2A03 normal feeder breaker was opened inadvertently causing a loss of power to 2A03. This action caused an undervoltage sensed on 2A05, thereby giving a start signal to 3D. 3D started and closed in on 2A05. Normal power was restored to 2A03, 2A05, 2A01 & 2B01, and 3D was secured. A Licensee Event Report has been submitted on this event.

On November 20, 1984, at approximately 0800 hours, a fire was reported in the vicinity of the Unit 1 hydrogen dryer. The fire was small and was extinguished promptly with a hand-held fire extinguisher. The fire was caused by grinding sparks igniting a small amount of hydrogen leaking from the dryer. A meeting was held between the fire protection personnel and the individuals authorized to execute ignition control permits to rectify this situation.

Safety-related maintenance performed includes the continuing work on the installation of the auxiliary safety instrumentation panel, repairing a seal leak on the 1P2B charging pump and repairing a cryogenic compressor.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE December 7, 1984

COMPLETED BY C. W. KRAUSE

TELEPHONE 414 277 2001

OPERATING STATUS

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

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	720	8,040	108,121
12. NUMBER OF HOURS REACTOR WAS CRITICAL	311.0	6,800.2	95,228.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	8.8	207.1
14. HOURS GENERATOR ON LINE	249.7	6,667.6	93,570.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	15.4	198.1
16. GROSS THERMAL ENERGY GENERATED (MWH)	252,959	9,795,654	130,690,431
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	86,310	3,315,860	44,275,690
18. NET ELECTRICAL ENERGY GENERATED (MWH)	79,051	3,162,177	42,162,777
19. UNIT SERVICE FACTOR	34.7	82.9	86.5
20. UNIT AVAILABILITY FACTOR	34.7	83.1	86.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	22.6	81.1	79.4
22. UNIT CAPACITY FACTOR (USING DER NET)	22.1	79.1	78.5
23. UNIT FORCED OUTAGE RATE	0.0	0.0	1.3

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

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 December 7, 1984

COMPLETED BY C. W. Krause

TELEPHONE 414/277-2001

AVERAGE DAILY UNIT POWER LEVEL

MONTH November, 1984

DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET
1	-2	11	-2	21	148
2	-2	12	-2	22	370
3	-2	13	-7	23	337
4	-2	14	-8	24	273
5	-2	15	-8	25	272
6	-2	16	-7	26	263
7	-2	17	-12	27	275
8	-2	18	-14	28	438
9	-2	19	-15	29	493
10	-2	20	24	30	496
				31	---

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1984

DOCKET NO. 50-301
UNIT NAME Point Beach Unit 2
DATE December 7, 1984
COMPLETED BY C. W. Krause
TELEPHONE 414/277-2001

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
3	840928	S	1215.3	C	1	N/A	ZZ	ZZZZZZ	Continuation of 53-day refueling outage.
4	841120	S	9.6	B	1	N/A	ZZ	ZZZZZZ	Unit removed from service to complete off-line turbine testing.

[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)

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No.: 50-301
Unit Name: Point Beach Unit 2
Date: December 7, 1984
Completed By: C. W. Krause
Telephone: 414/277-2001

Unit 2 Refueling 10 ended when the generator was phased to the line at 1205 hours on November 20, 1984.

Events leading up to the unit's phase-to-line include changing out and balancing the "B" reactor coolant pump motor, final wiring of the turbine oil-lift pump and modifying the reactor trip breakers. On November 7, 1984, installation of the new incore thimbles began. Thirty-five of the 36 thimbles were replaced. The thirty-sixth thimble was not able to be replaced and the decision was made to operate with 35. All 35 of the incore detector thimbles are functional.

On November 13, 1984, the primary system was filled and vented and containment integrity was established. Heatup commenced on November 14, 1984, for the steam generator crevice flush. After the crevice flush was completed, preparations to go critical were made. On November 16, 1984, a ΔT Technical Specification setpoint change was approved that allowed Unit 2 to go critical. On November 17, 1984, hot rod drop testing was performed and at 0100 hours on November 18, 1984, Unit 2 went critical. "Beginning of life" physics testing was completed later in the day. On November 19, 1984, a Chemistry "hold" was in effect on the unit due to the secondary water having sodium concentrations higher than the Steam Generator Owner's Group guidelines. With Chemistry giving the "go ahead", the unit was on line at 1205 hours on November 20, 1984, and at 2200 hours, the overspeed trip tests were completed. Shortly after midnight on November 21, 1984, the unit was put back on line. On November 23, 1984, in conjunction with a "high level turbine building sump" alarm, the "B" main feed pump was found to have gross seal leakage. At 0921 hours, a load rampdown of 5% per minute commenced. At 0931 hours, with the unit at approximately 256 MWe net, the "B" pump was secured. Disassembly of the pump revealed the top halves of both the north and south journal bearings had babbitt broken out. Further disassembly showed the oil deflectors and the stuffing box bushings destroyed. Removal of the pump cover revealed 3 large pieces of the impeller and a chip from the volute vane were missing. Two pieces of the impeller were found in the 5A feedwater heater and the remaining pieces along with the chip from the volute vane were found in the pump's mini-recirc valve. Two other pieces of what appeared to be welding slag were also pulled out of the mini-recirc valve.

A spare rotating assembly was installed and the pump was reassembled. At 1500 hours on November 27, 1984, the "B" pump was put back in service.

Unit 2 remained at approximately 256 MWe net during the main feed pump repair and after the pump was restarted and observed for abnormalities, power level was ramped up, and by November 29, 1984, the unit was at full power.

Other safety-related maintenance performed during the period includes recalibrating the reactor coolant temperature detector system RTD's, continuing the installation of the auxiliary safety instrumentation panel and replacing the spherical bearings on the 800 K Anker-Holth snubbers.

During preparation for the Unit 2 startup, one of the RTD bypass manifold isolation valves, 564A, was found to have a broken stem. Because these isolation valves have had a history of failure, the internals and the bonnet were removed and the body was capped.

Primary-to-secondary steam generator leakage is less than 10 gallons per day.

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

December 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 November 1984.

Very truly yours,

C. W. Fay

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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