Wisconsin Electric
POWER COMPANY

231 W Michigan, PO Box 2046, Milwaukee, WI 53201 (414) 221-2345

VPNPD-89-640
NRC-89-154

December 8, 1989

NUCLEAR REGULATORY COMMISSION
Document Control Desk
Mail Station P1-137
Washington, D. C. 20555

Gentlemen:

DOCKETS 50-266 AND 50-301
MONTHLY OPERATING REPORTS
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

Attached are monthly operating reports for Units 1 and 2, Point Beach Nuclear Plant, for the calendar month of November 1989.

Very truly yours,

for C. W. Fay

C. W. Fay
Vice President
Nuclear Power

Attachments

Copies to R. S. Cullen, PSCW
NRC Regional Administrator, Region III
NRC Resident Inspector



IE24
1/1

OPERATING DATA REPORT

DOCKET NO. 50-266

DATE December 7, 1989

COMPLETED BY C. W. KRAUSE

TELEPHONE 414 221 2001

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 1
2. REPORTING PERIOD: NOVEMBER 1989
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 | 8,016 | 167,160 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 720.0 | 6,984.3 | 137,599.8 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 652.7 |
| 14. HOURS GENERATOR ON LINE | 720.0 | 6,962.8 | 134,795.3 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 837.9 |
| 16. GROSS THERMAL ENERGY GENERATED (MWH) | 1,081,457 | 10,001,058 | 187,343,882 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 368,280 | 3,394,010 | 63,223,060 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 352,341 | 3,240,328 | 60,224,796 |
| 19. UNIT SERVICE FACTOR | 100.0 | 86.9 | 80.6 |
| 20. UNIT AVAILABILITY FACTOR | 100.0 | 86.9 | 81.1 |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 100.9 | 83.3 | 73.9 |
| 22. UNIT CAPACITY FACTOR (USING DER NET) | 98.5 | 81.3 | 72.5 |
| 23. UNIT FORCED OUTAGE RATE | 0.0 | 0.0 | 1.8 |

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

Forty-two day refueling and maintenance outage scheduled to commence March 30, 1990.

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 December 7, 1989

COMPLETED BY C. W. Krause

TELEPHONE 414/221-2001

## AVERAGE DAILY UNIT POWER LEVEL

MONTH NOVEMBER 1989

| DAY | AVERAGE DAILY POWER LEVEL MWe NET | DAY | AVERAGE DAILY POWER LEVEL MWe NET | DAY | AVERAGE DAILY POWER LEVEL MWe NET |
|---|---|---|---|---|---|
| 1 | 494 | 11 | 486 | 21 | 495 |
| 2 | 493 | 12 | 474 | 22 | 494 |
| 3 | 494 | 13 | 495 | 23 | 494 |
| 4 | 495 | 14 | 495 | 24 | 494 |
| 5 | 491 | 15 | 496 | 25 | 495 |
| 6 | 495 | 16 | 495 | 26 | 495 |
| 7 | 486 | 17 | 495 | 27 | 495 |
| 8 | 455 | 18 | 495 | 28 | 496 |
| 9 | 454 | 19 | 494 | 29 | 495 |
| 10 | 456 | 20 | 496 | 30 | 495 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER 1989

| | |
|---|---|
| DOCKET NO. | 50-266 |
| UNIT NAME | Point Beach Unit 1 |
| DATE | December 7, 1989 |
| COMPLETED BY | C. W. Krause |
| TELEPHONE | 414/221-2001 |

| 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 & Corrective Action To Prevent Recurrence |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

[1]F: Forced
S: Scheduled

[2]Reason:
A - Equipment Failure (explain)
B - Maintenance or Test
C - Refueling
D - Regulatory Restriction
E - Operator Training & Licensing Exam
F - Administrative
G - Operational Error (explain)
H - Other (explain)

[3]Method:
1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Continuation of Previous Shutdown
5 - Reduced Load
6 - Other (explain)

[4]Exhibit F-Instructions for preparation of data entry sheets LER file (NUREG-0161)

[5]Exhibit H-Same Source

EQR-28B
(04-87)

# NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-266
Unit Name Point Beach Unit 1
Date December 7, 1989
Completed By C. W. Krause
Telephone 414/221-2001

Unit 1 operated at approximately 494 MWe net throughout the period with no major load reductions.

On November 7, 1989, it was discovered that the Point Beach Nuclear Plant was in a condition which was outside of the requirements of TS 15.3.7.B.1.f and 15.3.7.B.1.g. These TS state:

> "15.3.7.B.1.f: One of the batteries, D05 or D06, may be inoperable for a period not exceeding 24 hours provided the other three batteries and four battery chargers remain operable with one charger carrying the DC loads of each DC main distribution bus."
>
> "15.3.7.B.1.g: One of the batteries, D105 or D106, may be inoperable for a period not exceeding 72 hours provided the other three batteries and four battery chargers remain operable with one charger carrying the DC loads of each DC main distribution bus."

On November 9, 1989, at 1600 hours, the PBNP Manager's Supervisory Staff determined that the D05 and D06 station batteries were technically inoperable as a result of the discovery of an original plant design deficiency which could render one or both of the two plant main DC systems inoperable as a result of a single bus fault. The potential problem had been reported to the manager - PBNP at 1200 hours by our corporate headquarters Nuclear Engineering group. Upon arrival at the plant site approximately two hours, the issue was presented to the Manager's Supervisory Staff. LER 89-009 was written to document this incident.

During the steam generator crevice flush, the steam generator specific auxiliary flow indicators from the aux feed line into the steam generator were supposed to be isolated. The flow indicators from Unit 1 were isolated rather than Unit 2. They were left in this condition for more than 48 hours. This is a condition prohibited by Technical Specifications. LER 89-010 is being drafted to document this incident.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE December 7, 1989

COMPLETED BY C. W. KRAUSE

TELEPHONE 414 221 2001

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2 . NOTES .
2. REPORTING PERIOD: NOVEMBER 1989 . .
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. . . . . .
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 | 8,016 | 151,945 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 168.0 | 6,499.6 | 132,601.8 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.6 | 216.7 |
| 14. HOURS GENERATOR ON LINE | 132.0 | 6,364.7 | 130,461.3 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 4.8 | 302.2 |
| 16. GROSS THERMAL ENERGY GENERATED (MWH) | 141,690 | 9,514,380 | 185,460,214 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 47,730 | 3,263,740 | 62,937,440 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH) | 42,431 | 3,112,332 | 59,966,754 |
| 19. UNIT SERVICE FACTOR | 18.3 | 79.4 | 85.9 |
| 20. UNIT AVAILABILITY FACTOR | 18.3 | 79.5 | 86.1 |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 12.2 | 80.1 | 80.6 |
| 22. UNIT CAPACITY FACTOR (USING DER NET) | 11.9 | 78.1 | 79.4 |
| 23. UNIT FORCED OUTAGE RATE | 0.0 | 2.0 | 1.2 |

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, 1989

COMPLETED BY C. W. Krause

TELEPHONE 414/221-2001

## AVERAGE DAILY UNIT POWER LEVEL

MONTH NOVEMBER 1989

| 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 | -12 |
| 2 | -2 | 12 | -2 | 22 | -14 |
| 3 | -2 | 13 | -2 | 23 | -13 |
| 4 | -2 | 14 | -2 | 24 | -14 |
| 5 | -2 | 15 | -2 | 25 | 35 |
| 6 | -1 | 16 | -2 | 26 | 116 |
| 7 | -2 | 17 | -5 | 27 | 262 |
| 8 | -2 | 18 | -11 | 28 | 460 |
| 9 | -2 | 19 | -3 | 29 | 501 |
| 10 | -2 | 20 | -3 | 30 | 500 |

EQR-28a
(04-86)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER 1989

| | |
|---|---|
| DOCKET NO. | 50-301 |
| UNIT NAME | Point Beach Unit 2 |
| DATE | December 7, 1989 |
| COMPLETED BY | C. W. Krause |
| TELEPHONE | 414/221-2001 |

| 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 & Corrective Action To Prevent Recurrence |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 890923 | S | 588 | C | 4 | Not Applicable | ZZ | ZZZZZZ | Continue the annual refueling and maintenance outage. |
| 5 | 891125 | S | 1 | B | 6 | Not Applicable | ZZ | ZZZZZZ | Overspeed testing. |

[1]F: Forced
S: Scheduled

[2]Reason:
A - Equipment Failure (explain)
B - Maintenance or Test
C - Refueling
D - Regulatory Restriction
E - Operator Training & Licensing Exam
F - Administrative
G - Operational Error (explain)
H - Other (explain)

[3]Method:
1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Continuation of Previous Shutdown
5 - Reduced Load
6 - Other (explain)

[4]Exhibit F-Instructions for preparation of data entry sheets LER file (NUREG-0161)

[5]Exhibit H-Same Source

EQR-28B
(04-87)

# NARRATIVE SUMMARY OF OPERATING EXPEPIENCE

Docket No. 50-301
Unit Name Point Beach Unit 2
Date December 7, 1989
Completed By C. W. Krause
Telephone 414/221-2001

The Unit 2 refueling and maintenance outage was completed November 25, 1989, when the unit was phased back on line. The unit was taken off line for about one hour during the turbine overspeed testing and was phased back on at 9:32 p.m. on November 25, 1989.

Major work completed includes replacement of D06 station battery, replacement of the B main feedwater pump, performance testing of the D105 and D106 station batteries, and repair and replacement of damaged low pressure turbine blades.

On November 3, 1989, during refueling operations, contractor personnel generated a false trip signal while investigating a wiring discrepancy in the reactor protection system instrument racks. The reactor was defueled and the reactor trip breakers were open. Therefore, no safety-related equipment started.

An original wire labeling error was considered the root cause of the event. LER 89-008 was written to document this event.

During the test of the emergency lighting, a lighting breaker was opened as a part of the test. At the same time the steam generator level indication was being tested and an "artificial" steam generator level generator was plugged into a lighting receptacle. The breaker opened for the emergency lighting also supplying power for the steam generator level generator. When the breaker was opened, the steam generator level lost power and indicated a "no level" in the steam generator. This caused a trip signal to be generated. LER 89-009 is being drafted to document this event.