Wisconsin Electric
POWER COMPANY

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

VPNPD-91-185
NRC-91-55

June 10, 1991

U.S. 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 May 1991.

Very truly yours,

for C. W. Fay
Vice President
Nuclear Power

Attachments

Copies to L. L. Smith, PSCW
NRC Regional Administrator, Region III
NRC Resident Inspector

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OPERATING DATA REPORT

DOCKET NO. 50-266

DATE June 6, 1991

COMPLETED BY D. C. Peterson

TELEPHONE 414/755-2321

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 1
2. REPORTING PERIOD: MAY 1991
3. LICENSED THERMAL POWER (MWT): 1518.5
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	744	3,623	180,287
12. NUMBER OF HOURS REACTOR WAS CRITICAL	293.3	2,577.3	148,344.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	652.7
14. HOURS GENERATOR ON LINE	219.3	2,502.3	145,405.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	837.9
16. GROSS THERMAL ENERGY GENERATED (MWH)	312,554	3,767,811	203,174,506
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	105,480	1,280,030	68,582,410
18. NET ELECTRICAL ENERGY GENERATED (MWH)	97,298	1,220,657	65,341,697
19. UNIT SERVICE FACTOR	29.5	69.1	80.7
20. UNIT AVAILABILITY FACTOR	29.5	69.1	81.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	27.0	69.5	74.3
22. UNIT CAPACITY FACTOR (USING DER NET)	26.3	67.8	72.9
23. UNIT FORCED OUTAGE RATE	5.1	0.5	1.7

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

POINT BEACH NUCLEAR PLANT

AVERAGE DAILY UNIT POWER LEVEL

MONTH MAY - 1991

DOCKET NO. 50-266

UNIT NAME Point Beach Unit 1

DATE June 6, 1991

COMPLETED BY D. C. Peterson

TELEPHONE 414/755-2321

DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET	DAY	AVERAGE DAILY POWER LEVEL MWe NET
1	-2	11	-5	21	64
2	-2	12	-7	22	121
3	-2	13	-5	23	363
4	-2	14	-2	24	494
5	-2	15	-2	25	494
6	-2	16	-11	26	499
7	-2	17	-11	27	500
8	-6	18	-12	28	499
9	-9	19	-13	29	499
10	-3	20	-13	30	236
				31	395

FHP-0023a
(03-91)

POINT BEACH NUCLEAR PLANT

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY - 1991

Docket No. 50-266
Unit Name Point Beach, Unit 1
Date June 6, 1991
Completed By D. C. Peterson
Telephone No. 414/755-2321, Ext. 361

No.	Date	Type[1]	Duration	Reason[2]	Method of Shutting Down	Licensee Event	System	Component	Cause and Corrective Action
1	910406	S	512.8	C	1				Scheduled refueling and maintenance outage U1R18. Major work items include inspection and eddy current of steam generators, cleaning and inspection of the Containment Service Water System and LP2 inspection and maintenance.
2	910530	F	11.8	A	3		ED	Generator (inverter)	Deenergized reactor protection instrumentation bus due to inverter failure.

[1]F: Forced
S: Scheduled

[2]Reason:
A - Equipment Failure (explain)
B - Maintenance or Testing
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 G - Instructions for preparation of data entry sheets LER file (NUREG-0161)

[5]Exhibit I - Same Source

PBF-0028b
(03-90)

DOCKET NO. 50-266
UNIT NAME Point Beach Unit 1
DATE June 6, 1991
COMPLETED BY D. C. Peterson
TELEPHONE 414/755-2321, Ext. 361

Unit 1 returned to service May 21 following a 47-day refueling and maintenance outage. A reactor trip from power occurred at 1146 on May 30. The automatic scram was caused by deenergization of the red reactor protection instrument bus due to inverter failure. The unit was returned to power at 2337 the same day.

During this period, Unit 1 experienced an event which is reportable in accordance with 10CFR50.73. On May 10, during steam generator crevice flushing, the primary system temperature exceeded 200°F without establishing containment integrity. Immediate corrective action consisted of cooling down the primary to less than 200°F. This event is detailed in Licensee Event Report 91-004.

The Unit 1 Service Water piping supply and return for the Containment Accident Fan Coolers was chemically cleaned; a 36 percent improvement in flow was noted.

Safety-related maintenance included: internal cleaning of service water check valve to auxiliary feed pump cooling SW-135A, reworked internals of auxiliary feed to steam generator check valve AF-101, calibrated and adjusted position indicator on control board 1C03 to match local indication for auxiliary feed discharge valve AF-4000, reworked and internally cleaned regenerative heat exchanger inlet check valve CV-370, repacked steam generator blowdown isolation valve MS-5959, environmentally qualified motor to lead splices and lug connection for containment spray pumps P-14A and B, installed new packing and stem on steam throttle valve to the turbine auxiliary feed pump TV-2082, inspected and cleaned pressure switch on steam dump arming control PS-2142, residual heat removal inlet check valves, heat exchanger inlet and outlet valves, heat exchanger cross connects, and inlet and outlet flow control valves were cleaned and re-torqued, repairs to pressurizer pressure control valve RC-431A.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE June 6, 1991

COMPLETED BY D. C. Peterson

TELEPHONE 414/755-2321

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT UNIT 2
2. REPORTING PERIOD: MAY 1991
3. LICENSED THERMAL POWER (MWT): 1518.5
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

NOTES

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	3,623	165,072
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,623.0	144,707.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	216.7
14. HOURS GENERATOR ON LINE	744.0	3,623.0	142,542.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	302.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,128,516	5,482,814	203,647,223
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	388,200	1,884,570	69,181,830
18. NET ELECTRICAL ENERGY GENERATED (MWH)	371,242	1,804,296	65,936,362
19. UNIT SERVICE FACTOR	100.0	100.0	86.4
20. UNIT AVAILABILITY FACTOR	100.0	100.0	86.5
21. UNIT CAPACITY FACTOR (USINC MDC NET)	102.9	102.7	81.7
22. UNIT CAPACITY FACTOR (USING DER NET)	100.4	100.2	80.4
23. UNIT FORCED OUTAGE RATE	0.0	0.0	1.1

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
    Forty-two day refueling and Maintenance outage scheduled to start September 27, 1991.

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

POINT BEACH NUCLEAR PLANT

AVERAGE DAILY UNIT POWER LEVEL

MONTH MAY - 1991

DOCKET NO. 50-301

UNIT NAME Point Beach Unit 2

DATE June 6, 1991

COMPLETED BY D. C. Peterson

TELEPHONE 414/755-2321

DAY	AVERAGE DAILY POWER LEVEL MWe NET
1	499
2	499
3	500
4	501
5	497
6	501
7	505
8	499
9	499
10	500
11	500
12	500
13	501
14	500
15	500
16	500
17	500
18	500
19	499
20	498
21	499
22	501
23	498
24	500
25	498
26	480
27	499
28	500
29	498
30	498
31	499

PBF-0025a
(93-'89)

POINT BEACH NUCLEAR PLANT

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY - 1991

Docket No. 50-301
Unit Name Point Beach Unit 2
Date June 6, 1991
Completed By D. C. Peterson
Telephone No. 414/755-2321 Ext. 361

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]F: Forced
S: Scheduled

[2]Reason:
A - Equipment Failure (explain)
B - Maintenance or Testing
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 G - Instructions for preparation of data entry sheets LER file (NUREG-0161)

[5]Exhibit I - Same Source

DOCKET NO.	50-301
UNIT NAME	Point Beach Unit 2
DATE	June 6, 1991
COMPLETED BY	D. C. Peterson
TELEPHONE	414/755-2321, Ext. 361

Unit 2 operated at approximately 499 MWe net throughout this report period with no significant load reductions.

Safety-related maintenance includes replacement of power and control cables to the boric acid tank (2T-6C) heaters, calibrated and tested containment hydrogen monitor HYA-967, repositioned contact and tested train "B" Tave to loops A/B main steam isolation logic relay TC-00402D-XB.