



**Wisconsin  
Electric**  
POWER COMPANY

Point Beach Nuclear Plant  
6610 Nuclear Rd., Two Rivers, WI 54241

(414) 755-2321

PBL 94-0140

June 3, 1994

Document Control Desk  
U. S. NUCLEAR REGULATORY COMMISSION  
Mail Station P1-137  
Washington, DC 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 of the Point Beach Nuclear Plant for the calendar month of May, 1994.

Sincerely,

G. J. Maxfield  
PBNP Manager

GJM/djs

Attachments

cc: L. L. Smith, PSCW  
NRC Regional Administrator, Region III  
NRC Resident Inspector

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OPERATING DATA REPORT

DOCKET NO. 50-266

DATE: 06/02/94

COMPLETED BY: M. B. Koudelka

TELEPHONE: (414) 755-6480

OPERATING STATUS

- 1. UNIT NAME: POINT BEACH NUCLEAR PLANT - UNIT 1 . . . . . NOTES . . . . .
- 2. REPORTING PERIOD: May - 1994 . . . . .
- 3. LICENSED THERMAL POWER (MWT): 1518.5 . . . . .
- 4. NAMEPLATE RATING (GROSS MWE): 523.8 . . . . .
- 5. DESIGN ELECTRICAL RATING (NET MWE): 497.0 . . . . .
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 509.0 . . . . .
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 485.0 . . . . .
- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:  
NA
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NA
- 10. REASONS FOR RESTRICTIONS, (IF ANY):  
NA

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.0	3,623.0	206,591.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2,997.6	171,716.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	667.3
14. HOURS GENERATOR ON LINE	744.0	2,949.1	168,589.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	446.9
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,041,770	4,301,779	237,783,549
17. GROSS ELECTRICAL ENERGY GENERATED	352,590	1,454,680	80,308,810
18. NET ELECTRICAL ENERGY GENERATED (MWH)	336,413	1,389,267	76,544,857
19. UNIT SERVICE FACTOR	100.0%	81.4%	81.6%
20. UNIT AVAILABILITY FACTOR	100.0%	81.4%	82.0%
21. UNIT CAPACITY FACTOR (USING MDC NET)	93.2%	79.1%	76.0%
22. UNIT CAPACITY FACTOR (USING DER NET)	91.0%	77.2%	74.6%
23. UNIT FORCED OUTAGE RATE	0.0%	0.0%	1.6%
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: NA			

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 - 1994

DOCKET NO. 50-266

UNIT NAME Point Beach, Unit 1

DATE June 2, 1994

COMPLETED BY M. B. Koudelka

TELEPHONE 414/755-6480

<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>105</u>	11	<u>485</u>	21	<u>494</u>
2	<u>124</u>	12	<u>485</u>	22	<u>496</u>
3	<u>273</u>	13	<u>489</u>	23	<u>493</u>
4	<u>411</u>	14	<u>490</u>	24	<u>494</u>
5	<u>474</u>	15	<u>369</u>	25	<u>495</u>
6	<u>485</u>	16	<u>493</u>	26	<u>493</u>
7	<u>485</u>	17	<u>493</u>	27	<u>493</u>
8	<u>486</u>	18	<u>494</u>	28	<u>494</u>
9	<u>483</u>	19	<u>493</u>	29	<u>481</u>
10	<u>486</u>	20	<u>494</u>	30	<u>495</u>
				31	<u>494</u>

POINT BEACH NUCLEAR PLANT  
UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY - 1994

Docket No. 50-266  
 Unit Name Point Beach, Unit 1  
 Date June 2, 1994  
 Completed By M. B. Koudelka  
 Telephone No. 414/755-6480

No.	Date	Type <sup>1</sup>	Duration	Reason <sup>2</sup>	Method of Shutting Down	Licensee Event	System	Component	Cause and Corrective Action
3	5-15-94	S	0	B	5	NA	HH	HXEXCH	Observed levels of sulfate in the steam generators initiated load reduction to 300 MWe for the inspection and repair of condenser waterbox tubes.

<sup>1</sup>F: Forced  
 S: Scheduled

<sup>2</sup>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)

<sup>3</sup>Method:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Continuation of Previous Shutdown  
 5 - Reduced Load  
 6 - Other (explain)

<sup>4</sup>Exhibit G - Instructions for preparation of data entry sheets LER file (NUREG-0161)

<sup>5</sup>Exhibit I - Same Source

DOCKET NO. 50-266  
UNIT NAME Point Beach Unit 1  
DATE June 2, 1994  
COMPLETED BY M. B. Koudelka  
TELEPHONE 414/755-6480

Unit 1 operated at an average of 452 MWe net for the report period. The Unit was at full load (517 MWe) on May 13, 1994, following its 21st refueling and maintenance outage. A load reduction to 300 MWe occurred from May 14-15, 1994, to facilitate inspection and repair of condenser waterbox tubes.

Licensee Event Report 50-266/94-004-00, Unexpected Automatic Reactor Trip During Hot Control Rod Drop Testing, was submitted.

Safety-related maintenance included:

1. Valve replacement of SW-362, HX-12B CC heat exchanger inlet waterbox blowdown valve.
2. Valve replacement of SW-2911-BS, north Zurn strainer outlet.
3. Replaced seals on P2C charging pump.
4. Calibrated Y102 and Y103 120 Vdc instrument bus overvoltage relay.
5. Calibrated 125 Vdc 27/D02 relay on D08 battery charger.
6. Bus bar inspections of Y01, Y02, Y03 and Y04, 120 V vital instrument panels.
7. Adjusted stroke length, limit switches and lock nut pressure of MS-2016, "A" steam generator header atmospheric steam dump control valve.
8. Amptector upgrade of B52-12B, power to pressurizer backup heater C group power panel 2B52-36B.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE: 06-02-94

COMPLETED BY: M. B. Koudelka

TELEPHONE: (414) 755-6480

OPERATING STATUS

- 1. UNIT NAME: POINT BEACH NUCLEAR PLANT - UNIT 2 . NOTES .
- 2. REPORTING PERIOD: May - 1994 .
- 3. LICENSED THERMAL POWER (MWT): 1518.5 .
- 4. NAMEPLATE RATING (GROSS MWE): 523.8 .
- 5. DESIGN ELECTRICAL RATING (NET MWE): 497.0 .
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 509.0 .
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 485.0 .
- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:  
NA
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NA
- 10. REASONS FOR RESTRICTIONS, (IF ANY):  
NA

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.0	3,623.0	191,376.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,623.0	167,823.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	233.9
14. HOURS GENERATOR ON LINE	744.0	3,623.0	165,489.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	302.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,114,573	5,418,368	237,789,552
17. GROSS ELECTRICAL ENERGY GENERATED	376,470	1,842,250	80,866,510
18. NET ELECTRICAL ENERGY GENERATED (MWH)	359,664	1,763,065	77,093,705
19. UNIT SERVICE FACTOR	100.0%	100.0%	86.5%
20. UNIT AVAILABILITY FACTOR	100.0%	100.0%	86.6%
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.7%	100.3%	82.5%
22. UNIT CAPACITY FACTOR (USING DER NET)	97.3%	97.9%	81.1%
23. UNIT FORCED OUTAGE RATE	0.0%	0.0%	1.0%
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Refueling Outage, 09/24/94, 36 days			
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NA			

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 - 1994

DOCKET NO. 50-301

UNIT NAME Point Beach, Unit 2

DATE June 2, 1994

COMPLETED BY M. B. Koudelka

TELEPHONE 414/755-6480

<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>485</u>	21	<u>486</u>
2	<u>483</u>	12	<u>484</u>	22	<u>487</u>
3	<u>484</u>	13	<u>485</u>	23	<u>485</u>
4	<u>487</u>	14	<u>486</u>	24	<u>486</u>
5	<u>480</u>	15	<u>484</u>	25	<u>487</u>
6	<u>484</u>	16	<u>487</u>	26	<u>485</u>
7	<u>484</u>	17	<u>485</u>	27	<u>486</u>
8	<u>450</u>	18	<u>485</u>	28	<u>485</u>
9	<u>483</u>	19	<u>489</u>	29	<u>473</u>
10	<u>480</u>	20	<u>481</u>	30	<u>487</u>
				31	<u>486</u>

POINT BEACH NUCLEAR PLANT

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY - 1994

Docket No. 50-301  
 Unit Name Point Beach, Unit 2  
 Date June 2, 1994  
 Completed By M. B. Koudelka  
 Telephone No. 414-755-6480

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action To Prevent Recurrence
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

<sup>1</sup>F: Forced  
 S: Scheduled

<sup>2</sup>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)

<sup>3</sup>Method:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Continuation of Previous Shutdown  
 5 - Reduced Load  
 6 - Other (explain)

<sup>4</sup>Exhibit G - Instructions for preparation of data entry sheets LER file (NUREG-0161)

<sup>5</sup>Exhibit I - Same Source



DOCKET NO. 50-301  
UNIT NAME Point Beach Unit 2  
DATE June 2, 1994  
COMPLETED BY M. B. Koudelka  
TELEPHONE 414/755-6480

Unit 2 operated at an average of 483 MWe net for the report period with no significant load reductions.

Safety-related maintenance included:

1. Bus bar inspections of Y01, Y02, Y03, Y04 120 V vital instrument panels.
2. Cleaned and repaired DY-01 Red 125 Vdc/120 Vac inverter meter.
3. Amptector retrofits of breakers B52-25A and B52-25B, "C" and "D" containment accident recirculation fans.