



Wisconsin
Electric
POWER COMPANY

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NRC-93-014

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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 January 1993.

Sincerely,

Bob Link
Vice President
Nuclear Power

MFB/jg

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

JE24

OPERATING DATA REPORT

DOCKET NO. 50-266

DATE: 02/02/93

COMPLETED BY: Richard F. Arnold

TELEPHONE: 755-2321 ext.193

OPERATING STATUS

	THIS MONTH	YEAR TO DATE	CUMULATIVE
1. UNIT NAME: POINT BEACH NUCLEAR PLANT - UNIT 1			
2. REPORTING PERIOD: January - 1993			
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			
11. HOURS IN REPORTING PERIOD	744.0	744.0	194,952.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	161,627.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	667.3
14. HOURS GENERATOR ON LINE	744.0	744.0	158,583.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	846.9
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,128,908	1,128,908	222,865,881
17. GROSS ELECTRICAL ENERGY GENERATED	381,700	381,700	75,258,100
18. NET ELECTRICAL ENERGY GENERATED (MWH)	366,032	366,032	71,718,195
19. UNIT SERVICE FACTOR	100.0%	100.0%	81.3%
20. UNIT AVAILABILITY FACTOR	100.0%	100.0%	81.8%
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.4%	101.4%	75.5%
22. UNIT CAPACITY FACTOR (USING DER NET)	99.0%	99.0%	74.0%
23. UNIT FORCED OUTAGE RATE	0.0%	0.0%	1.7%
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
Refueling Outage 3/27/93 - 5/13/93 (47 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 JANUARY - 1993

DOCKET NO. 50-266
 UNIT NAME Point Beach, Unit 1.
 DATE February 2, 1993
 COMPLETED BY R. F. Arnold
 TELEPHONE 414/755-2321

<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>493</u>	11	<u>493</u>	21	<u>491</u>
2	<u>494</u>	12	<u>492</u>	22	<u>490</u>
3	<u>484</u>	13	<u>492</u>	23	<u>492</u>
4	<u>493</u>	14	<u>493</u>	24	<u>492</u>
5	<u>494</u>	15	<u>491</u>	25	<u>496</u>
6	<u>493</u>	16	<u>493</u>	26	<u>493</u>
7	<u>489</u>	17	<u>492</u>	27	<u>492</u>
8	<u>493</u>	18	<u>490</u>	28	<u>489</u>
9	<u>494</u>	19	<u>490</u>	29	<u>492</u>
10	<u>494</u>	20	<u>493</u>	30	<u>492</u>
				31	<u>494</u>

POINT BEACH NUCLEAR PLANT
UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY - 1993

Docket No. 50-266
Unit Name Point Beach, Unit 1
Date February 2, 1993
Completed By R. F. Arnold
Telephone No. 414/755-2321, Ext. 193

No.	Date	Type ¹	Duration	Reason ²	Method of Shutting Down	Licensee Event	System	Component	Cause and Corrective Action

¹F: Forced
S: Scheduled

²Reason:
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)

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

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

⁵Exhibit I - Same Source

DOCKET NO. 50-266
UNIT NAME Point Beach Unit 1
DATE February 2, 1993
COMPLETED BY R. F. Arnold
TELEPHONE 414/755-2321, Ext. 193

Unit 1 operated at approximately 492 MWe net throughout the report period with no significant load reductions.

The degraded grid voltage relay setpoint on the 4160 V safety-related buses were reset to a value of $\geq 3959 \text{ V} \pm 1/2\%$.

The emergency diesel generators (G01 and G02) were derated by 5% because ethylene glycol was utilized as an engine coolant. The concern is that overheating of the cylinder head could result in hotspots. During the annual maintenance overhaul of G02 the ethylene glycol was replaced with water with a rust inhibitor added. G02 was rerated to original values when it was returned to service on January 29. The annual maintenance overhaul for G01 is scheduled for mid February, at which time water with rust inhibitors added will be used. Following completion of the outage G01 will be rerated to original values.

Safety-related maintenance included:

1. Two silicon control rectifiers were replaced in 1DY-04 (125 VDC/125 VAC) inverter.
2. Replaced the latch check switch on G02 emergency diesel 4160 V output breaker.
3. Completed annual maintenance overhaul of the G02 emergency diesel.

OPERATING DATA REPORT

DOCKET NO. 50-301

DATE: 02/02/93

COMPLETED BY: Richard F. Arnold

TELEPHONE: 755-2321 ext.193

OPERATING STATUS

1. UNIT NAME: POINT BEACH NUCLEAR PLANT - UNIT 2
2. REPORTING PERIOD: January - 1993
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	744.0	179,737.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	157,019.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	229.9
14. HOURS GENERATOR ON LINE	744.0	744.0	154,726.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	302.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,116,955	1,116,955	221,763,216
17. GROSS ELECTRICAL ENERGY GENERATED	383,690	383,690	75,383,810
18. NET ELECTRICAL ENERGY GENERATED (MWH)	367,744	367,744	71,854,151
19. UNIT SERVICE FACTOR	100.0%	100.0%	86.1%
20. UNIT AVAILABILITY FACTOR	100.0%	100.0%	86.3%
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.9%	101.9%	81.8%
22. UNIT CAPACITY FACTOR (USING DER NET)	99.5%	99.5%	80.4%
23. UNIT FORCED OULAGE RATE	0.0%	0.0%	1.0%
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 LEVELMONTH JANUARY - 1993DOCKET NO. 50-301UNIT NAME Point Beach, Unit 2DATE February 2, 1993COMPLETED BY R. F. ArnoldTELEPHONE 414/755-2321

<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>496</u>	11	<u>496</u>	21	<u>498</u>
2	<u>495</u>	12	<u>495</u>	22	<u>491</u>
3	<u>497</u>	13	<u>495</u>	23	<u>496</u>
4	<u>496</u>	14	<u>496</u>	24	<u>495</u>
5	<u>496</u>	15	<u>494</u>	25	<u>499</u>
6	<u>495</u>	16	<u>495</u>	26	<u>492</u>
7	<u>491</u>	17	<u>473</u>	27	<u>495</u>
8	<u>495</u>	18	<u>493</u>	28	<u>495</u>
9	<u>495</u>	19	<u>494</u>	29	<u>494</u>
10	<u>496</u>	20	<u>497</u>	30	<u>494</u>
				31	<u>496</u>

POINT BEACH NUCLEAR PLANT
UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY - 1993

Docket No. 50-301
Unit Name Point Beach, Un.: 2
Date February 2, 1993
Completed By R. F. Arnold
Telephone No. 414/755-2321, Ext. 193

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

¹F: Forced
S: Scheduled

²Reason:
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)

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

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

⁵Exhibit I - Same Source

DOCKET NO. 50-301
UNIT NAME Point Beach Unit 2
DATE February 2, 1993
COMPLETED BY R. F. Arnold
TELEPHONE 414/755-2321, Ext. 193

Unit 2 operated at approximately 494 Mwe net throughout the report period with no significant load reductions.

The degraded grid voltage relay setpoint on the 4160 V safety-related buses were reset to a value of ≥ 3959 V $\pm 1/2\%$.

Safety-related maintenance included:

1. Repositioned pins on latch check switches of two 4160 V safeguards breakers.
2. Increased spring compression pressure on Unit 2 "B" steam generator blowdown sample air operated isolation valve.