

Mr. Centula - These figures are now being calculated by computer
 Therefore, we researched the entire year for the correct data entries
 as indicated below on this page - The numbers shown for November have
 been verified and/or corrected as necessary. If you have any questions,
 please call me.

Neva Himebauch

OPERATING DATA REPORT

DOCKET NO. 50-155
 DATE 12/5/78
 COMPLETED BY NHimebauch
 TELEPHONE 616-547-6537 x 180

OPERATING STATUS

1. Unit Name: Big Rock Point Nuclear Plant
2. Reporting Period: November 1978
3. Licensed Thermal Power (MWt): 240
4. Nameplate Rating (Gross MWe): 75
5. Design Electrical Rating (Net MWe): 72
6. Maximum Dependable Capacity (Gross MWe): 67
7. Maximum Dependable Capacity (Net MWe): 63
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes The reactor came on line on November 1 and continued on line for the rest of the month. Two fluxwire runs were performed on 11/8 and 11/28. Offgas release rate remains low at 500 $\mu\text{Ci}/\text{sec}$

9. Power Level To Which Restricted, If Any (Net MWe): 63
10. Reasons For Restrictions, If Any: Dryout time

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>8016.0</u>	<u>137,419.0</u>
12. Number Of Hours Reactor Was Critical	<u>706.5</u>	<u>6129.5</u>	<u>97,282.7</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>698.4</u>	<u>6076.1</u>	<u>95,193.0</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>131,821.0</u>	<u>1,221,642.0</u>	<u>17,576,626.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>40509.0</u>	<u>379,979.0</u>	<u>5,570,359.0</u>
**18. Net Electrical Energy Generated (MWH)	<u>38123.4</u>	<u>358,943.4</u>	<u>5,272,557.3</u>
19. Unit Service Factor	<u>98.1</u>	<u>76.5</u>	<u>70.8</u>
20. Unit Availability Factor	<u>98.1</u>	<u>76.5</u>	<u>70.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>84.0</u>	<u>70.3</u>	<u>56.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>73.5</u>	<u>62.2</u>	<u>53.3</u>
23. Unit Forced Outage Rate	<u>1.9%</u>	<u>21.8%</u>	<u>17.0%* since 1-1-74</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling Outage - (8-10 weeks) - February 1978

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

781212 0/12

** Due to a correction in our "On Days Not Generating" Station Power in our records the Net Electrical Energy Generated (MWH) Year-to-date and Total-to-date figures must be corrected as noted above. (9/77)
 You will note that this month's generation added to October's cumulative and Year-to-date will be a small fraction off the figures entered for November. PLEASE ADJUST YOUR DATA ACCORDINGLY TO AGREE WITH NOVEMBER'S FIGURES.

19. **UNIT SERVICE FACTOR.** Compute by dividing hours the generator was on line (item 14) by the gross hours in the reporting period (item 11). Express as percent to the nearest tenth of a percent. Do not include reserve shut-down hours in the calculation.
20. **UNIT AVAILABILITY FACTOR.** Compute by dividing the unit available hours (item 14 plus item 15) by the gross hours in the reporting period (item 11). Express as percent to the nearest tenth of a percent.
21. **UNIT CAPACITY FACTOR (USING MDC NET).** Compute by dividing net electrical energy generated (item 18) by the product of maximum dependable capacity (item 7) times the gross hours in the reporting period (item 11). Express as percent to the nearest tenth of a percent.
22. **UNIT CAPACITY FACTOR (USING DER NET).** Compute as in item 21, substituting design electrical rating (item 5) for maximum dependable capacity.
23. **UNIT FORCED OUTAGE RATE.** Compute by dividing the total forced outage hours (from the table in Unit Shutdowns and Power Reductions) by the sum of hours generator on line (item 14) plus total forced outage hours (from the table in Unit Shutdowns and Power Reductions). Express as percent to the nearest tenth of a percent.
24. **SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH).** Include type (refueling, maintenance, other), proposed date of start of shutdown, and proposed length of shutdown. It is recognized that shutdowns may be scheduled between reports and that this item may not be all inclusive. Be as accurate as possible as of the date the report is prepared. This item is to be prepared each month and updated if appropriate until the actual shutdown occurs.
25. Self-explanatory.
26. Self-explanatory. Note, however, that this information is requested for all units in startup and power ascension test status and is not required for units already in commercial operation.

TEST STATUS is defined as that period following initial criticality during which the unit is tested at successively higher outputs, culminating with operation at full power for a sustained period and completion of warranty runs. Following this phase, the unit is generally considered by the utility to be available for commercial operation.

Date of **COMMERCIAL OPERATION** is defined as the date that the unit was declared by the utility owner to be available for the regular production of electricity, usually related to the satisfactory completion of qualification tests as specified in the purchase contract and to the accounting policies and practices of the utility.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1978

50-155
DOCKET NO. Big Rock Point Nuclear Plant
UNIT NAME
DATE December 5, 1978
COMPLETED BY NHimebauch
TELEPHONE 616-547-6537 x 180

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
9	11/1/78 - 11/1/78	1	21.6	A	2	78-038	RB	CRDRVE	Control rod drive high temperature encountered thus operator initiated a manual Scram. Control rod drive problems repaired.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 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 Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-155
 UNIT Big Rock Point
 DATE December 5, 1978
 COMPLETED BY N Himebauch
 TELEPHONE 616-547-6537 x 180

MONTH November 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1
2	20
3	46
4	47
5	47
6	50
7	54
8	55
9	55
10	58
11	58
12	58
13	58
14	58
15	58
16	59

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	58
18	59
19	59
20	59
21	59
22	58
23	59
24	58
25	58
26	49
27	58
28	58
29	58
30	58
31	

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

Big Rock Point Nuclear Plant

Refueling Information Request

1. Facility name:

BIG ROCK POINT NUCLEAR PLANT

2. Scheduled date for next refueling shutdown:

February 1979

3. Scheduled date for restart following shutdown:

April 1979

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

NO

If yes, explain. \

If no, has the reload fuel design and core configuration been reviewed by Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref.10CFR, Sec.50.59)?

YES

If no review has taken place, when is it scheduled?

5. Scheduled date(s) for submittal of proposed licensing action and supporting information:

6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:

NONE

7. Number of fuel assemblies in: core 84 ; spent fuel storage pool 62

8. Present licensed spent fuel storage capacity: 193 fuel bundles

Size of any increase in licensed storage capacity that has been requested or is planned (in number of fuel assemblies):

In planning stage and no firm number yet

9. Projected date of the last refueling that can be discharged to spent fuel pool assuming the present licensed capacity:

1986