



Consumers
Power

**POWER AND
MICHIGAN'S PROGRESS**

Big Rock Point Nuclear Plant, 10269 US-31 North, Charlevoix, MI 49720

December 1, 1992

William L. Beckman
Plant Manager

Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

Enclosed please find the statistical data for the Big Rock Point Nuclear
Plant covering the period of November 1, 1992 through November 30, 1992.

Sincerely,

W. L. Beckman
Plant Manager

Enclosures

cc: Administrator Region III, Nuclear Regulatory Commission
DRHahr, Department of Public Health
RCallen, Michigan Public Service Commission
RAben, Michigan Department of Labor
MPCass, American Nuclear Insurers
INPO Record Center
NRC Resident Inspector
Document Control, Big Rock Point, 740/22*35*10
DPHoffman, P24-117B
RJAlexander, Big Rock Point
File

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9212080321 921130
PDR ADOCK 05000155
R PDR

A CMS ENERGY COMPANY

IFDA
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NUCLEAR OPERATIONS DEPARTMENT Unit Shutdowns and Power Reductions

| | | | | | |
|--------------------------------------|--------------------------------|-------------------------------------|---------------------------------|------------------------------------|------------------------------------|
| Report Month <i>November 1992</i> | Docket Number <i>55-150</i> | Unit <i>Big Rock Point Plant</i> | Date <i>December 1, 1992</i> | Completed by <i>JE JOHNSTON</i> | Telephone <i>(616) 547-8223</i> |
|--------------------------------------|--------------------------------|-------------------------------------|---------------------------------|------------------------------------|------------------------------------|

| Number | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report Number | System Code ⁴ | Component Code ⁵ | Cause and Corrective Action To Prevent Recurrence |
|--------|------------------------------|-------------------|------------------|---------------------|--|------------------------------|--------------------------|-----------------------------|--|
| 11 | 10/29/92 thru 11/03/92 | F | 50.4 Hrs | A | 2 | | | | The reactor was manually scrambled following trips of the 199 OCB and 116 OCB breakers. An Unusual Event was declared due to unstable plant conditions following the loss of the 135 KV power. During the event the pipeway cooler leakage was noted and is believed to be the result of a pressure surge when the service water pumps restarted following power transfer to the 46 KV line. The Unusual Event was terminated at 14:26 hours. After investigation and repairs were completed the unit was returned to normal power. (Total Hours: 111.2) |

¹F = Forced
S = Scheduled

²Reason:
A = Equipment Failure (Explain)
B = Maintenance of Test
C = Refueling
D = Regulatory Restriction
E = Operator Training and License Examination
F = Administrative
G = Operational Error (Explain)
H = Other (Explain)

³Method:
1 = Manual
2 = Manual Scram
3 = Automatic Scram
4 = Other (Explain)

⁴Exhibit G = Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵Exhibit I = Same Source

GREYBOOK OPERATING DATA REPORT

DOCKET NO. 50-155 DATE: 12 / 1 / 92
 BY: JH JOHNSON
 PHONE: 616-597-6537 EXT 223

OPERATING STATUS

1. UNIT NAME: BIG ROCK POINT NUCLEAR PLANT

2. REPORTING PERIOD: 11 / 92

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): 71.0

7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 67.0

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):

10. REASONS FOR RESTRICTIONS, IF ANY:

| | THIS MONTH | YEAR-TO-DATE | CUMULATIVE |
|--|------------|--------------|------------|
| 11. HOURS IN REPORTING PERIOD | 720.0 | 6040.0 | 260155.0 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL | 675.6 | 4126.8 | 187495.9 |
| 13. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR ON-LINE | 669.6 | 4046.5 | 184491.6 |
| 15. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MMWh) | 153066.0 | 748607.0 | 35396445.0 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MMWh) | 48428.0 | 240703.0 | 11225369.0 |
| 18. NET ELECTRICAL ENERGY GENERATED (MMWh) | 46035.8 | 227081.1 | 10618618.7 |
| 19. UNIT SERVICE FACTOR | 93.0% | 50.3% | 70.9% |
| 20. UNIT AVAILABILITY FACTOR | 93.0% | 50.3% | 70.9% |
| 21. UNIT CAPACITY FACTOR (USING MDC NET) | 55.4% | 42.2% | 60.6% |
| 22. UNIT CAPACITY FACTOR (USING DER NET) | 88.8% | 39.2% | 56.7% |
| 23. UNIT FORCED OUTAGE RATE | 7.0% | 12.8% | 11.9% |

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

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

DAY AVERAGE DAILY POWER (MWT) (MWEN) (11/92) - CYCLE 26

| | | |
|----|--------|-------|
| 1 | 0.00 | 0.00 |
| 2 | 0.00 | 0.00 |
| 3 | 144.62 | 42.61 |
| 4 | 207.75 | 63.26 |
| 5 | 229.46 | 69.04 |
| 6 | 231.58 | 69.58 |
| 7 | 231.00 | 70.05 |
| 8 | 231.62 | 69.50 |
| 9 | 230.83 | 69.30 |
| 10 | 231.25 | 69.67 |
| 11 | 232.83 | 69.92 |
| 12 | 230.33 | 69.42 |
| 13 | 234.00 | 70.27 |
| 14 | 230.83 | 69.90 |
| 15 | 230.25 | 69.70 |
| 16 | 232.96 | 69.78 |
| 17 | 231.83 | 69.53 |
| 18 | 230.25 | 69.17 |
| 19 | 230.96 | 68.95 |
| 20 | 231.33 | 69.26 |
| 21 | 230.25 | 69.89 |
| 22 | 231.96 | 70.09 |
| 23 | 233.29 | 70.50 |
| 24 | 232.58 | 70.12 |
| 25 | 232.00 | 69.66 |
| 26 | 232.08 | 69.42 |
| 27 | 232.75 | 69.71 |
| 28 | 232.75 | 69.67 |
| 29 | 234.21 | 70.17 |
| 30 | 233.00 | 70.04 |

Refueling Information Request

1. Facility Name: Big Rock Point Plant
2. Scheduled date for next refueling shutdown: July, 1993
3. Scheduled date for restart following shutdown: September, 1993
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 (Reference 10 CFR, Section 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, eg. new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design new operating procedures:
7. Number of fuel assemblies in: core 84 ; spent fuel pool storage 294; new fuel storage 0.
8. Present licensed spent fuel pool storage capacity: 441

Size of any increase in licensed storage capacity that has been requested or planned (in number of fuel assemblies): 0
9. Projected date of last refueling that can be discharged to spent fuel pool assuming the present license capacity: 1996