



## NUCLEAR OPERATIONS DEPARTMENT

### Unit Shutdowns and Power Reductions

Report Month April, 1985	Docket Number 50-155	Unit Big Rock Point Plant	Date May 3, 1985	Completed by LLBalch	Telephone (616)547-6537 x 180
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Number	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down <sup>3</sup> Reactor	Licensee Event Report Number	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action To Prevent Recurrence
	04/05 - 4/17	S	292.7	A	1		SF	VALVEX Subcode E	Scheduled outage for repair of RDS isolation valves to enable performance of surveillance test on RDS isolation valves.

8507170279 850430  
 PDR ADOCK 05000155  
 R PDR

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

2 Reason:

- 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)

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

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

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

## OPERATING STATUS

## NOTES:

1. UNIT NAME: BIG ROCK POINT NUCLEAR PLANT
2. REPORTING PERIOD: 4 / 85
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): 73.0
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 69.0
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): 0.0
10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719.0	2879.0	193650.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	438.2	2441.6	137133.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	426.3	2417.4	134615.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	88691.0	524837.0	25377392.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	28351.0	168022.0	9025273.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	26809.9	159250.3	7588991.2
19. UNIT SERVICE FACTOR	59.3%	84.0%	69.5%
20. UNIT AVAILABILITY FACTOR	59.3%	84.0%	69.5%
21. UNIT CAPACITY FACTOR (USING MDC NET)	54.0%	80.2%	58.4%
22. UNIT CAPACITY FACTOR (USING DER NET)	51.8%	76.8%	54.4%
23. UNIT FORCED OUTAGE RATE	0.0%	0.0%	15.7%

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)

( 4/85)

1	211.21	64.81
2	211.75	64.45
3	211.54	64.12
4	212.21	63.96
5	87.67	25.68
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	0.0	0.0
11	0.0	0.0
12	0.0	0.0
13	0.0	0.0
14	0.0	0.0
15	0.0	0.0
16	0.0	0.0
17	29.42	6.62
18	175.17	53.61
19	203.71	61.97
20	210.67	63.75
21	210.87	63.97
22	214.00	64.70
23	215.92	65.43
24	217.83	65.81
25	216.21	65.56
26	216.50	65.42
27	216.12	65.31
28	214.22	64.97
29	214.96	64.86
30	214.42	64.79

### Refueling Information Request

1. Facility name: Big Rock Point Plant
2. Scheduled date for next refueling shutdown: August 1985
3. Scheduled date for restart following shutdown: October 1985
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

If yes, explain: Addition of "Appendix R" commitments.

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

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 storage pool 172.
8. Present licensed spent fuel storage capacity: 441  
  
Size of any increase in licensed storage capacity that has been requested or is planned (in number of fuel assemblies):
9. Projected date of last refueling that can be discharged to spent fuel pool assuming the present license capacity: 1993

STATUS OF SPENT FUEL STORAGE CAPABILITY							
FACILITY	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	WILL FILL PRESENT AUTH. CAPACITY
BIG ROCK POINT 1	84	441	172	269		N/S	2010
BROWN'S FERRY 1	764	3471	1068	2403		03-85	1985
BROWN'S FERRY 2	764	3471	889	1170(m)	2582	N/S	1985
BROWN'S FERRY 3	764	3471	1768	150(m)	1783	N/S	1985
BRUNSWICK 1	568	(P)	168PHR+656BHR	2116		04-85	1986
BRUNSWICK 2	568		144PHR+564BHR	2288		N/S	1986
COOPER STATION	548	2366	983	1381		09-85	1986
DRESDEN 1	484	672	221	451		N/S	1990
DRESDEN 2	724	2659(c)	2014 (c)	996(c)	6129(c)	N/S	1985
DUANE ARNOLD	368	2050	576	1474		02-85	1988
FITZPATRICK	568	2244	816	1428		02-85	1991
GRAND GULF 1							
HATCH 1	568	3021	148	2881		10-85	1999
HATCH 2	568	2750	1284	1466		04-85	1999
HUMBOLDT BAY	172	487	251	236		N/S	1992
LA CROSSE	72	440	207	233			
LASALLE 1							
LASALLE 2							
MILLSTONE 1	580	2184	1346	968		N/S	1991
MONTICELLO	484	2237	1137	1100		02-85	1991
NINE MILE POINT 1	532	2776	1244	1532	1788	03-86	1996
OYSTER CREEK 1	560	1800	1375	425	1225	N/S	1987
PEACH BOTTOM 2	764	2816	1361	1455		N/S	1990

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STATUS OF SPENT FUEL STORAGE CAPABILITY							
FACILITY	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	WILL FILL PRESENT AUTH. CAPACITY
PEACH BOTTOM 3	764	2816	1212	1604		04-85	1991
PILGRIM 1	580	2320	1128	642(m)		N/S	1990
QUAD CITIES 1	724	3657	1750	1927		N/S	2003
QUAD CITIES 2	724	3897	412	3485		02-85	1997
SUSQUEHANNA 1	764	2840	0	2840		N/S	1992
SUSQUEHANNA 2							
VERMONT YANKEE 1	568	2080	1174	826			
WASHINGTON NUCLEAR							

#### INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	515	585 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PHR core and 1/4 of a BHR core is off-loaded.  
 (b) Some of these dates have been adjusted by staff assumptions.  
 (c) This is the total for both units.  
 (d) Plant not in commercial operation.  
 (e) Some spent fuel stored at Brunswick.  
 (f) Authorized a total 2772 BHR and 1232 PHR assemblies for both pools.  
 (g) Robinson 2 assemblies being shipped to Brunswick for storage.  
 (h) Capacity is in metric tons of uranium: 1 MTU = 2 PHR assemblies or 5 BHR assemblies.  
 (i) No longer accepting spent fuel.  
 (j) Racked for 700 MTU.  
 (k) Reserved.  
 (l) This is the station total.  
 (m) Installed capacity is less than that authorized.  
 (n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

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**Consumers  
Power  
Company**

D P Hoffman  
Plant Superintendent

Big Rock Point Nuclear Plant, Box 591, Route 3, Charlevoix, MI 49720

May 3, 1985

Director  
Office of Inspection and Enforcement  
United States Nuclear Regulatory Commission  
Washington, DC 20555

Dear Sir:

Enclosed please find the statistical data for the Big Rock Point Nuclear Plant covering the period of April 1 through April 30, 1985. Please note the indicated error in the "Status of Spent Fuel Storage Capability" reported for January, 1985.

D P Hoffman  
Plant Superintendent

DPH:11b

Enclosures

cc: DEVanFarowe, Department of Public Health  
RCallen, Michigan Public Service Commission  
Michigan Department of Labor  
INPO Records Center  
Resident NRC Inspector, Site  
Document Control, BRP, 740\*22\*35\*10  
RBDeWitt, P24-117B  
DJVandeWalle, P24-115  
WGFogg, P24-610  
File

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