

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO.2
DATE OCTOBER 10, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

REVISION 1

MONTH: SEPTEMBER 1990

THE UNIT WAS IN COASTDOWN OPERATION FOR THE UPCOMING REFUELING OUTAGE SCHEDULED TO START AT 2000 OF THE 11TH.

RESULTS FROM A SAMPLE OF 2GT TRANSFORMER'S OIL INDICATED THAT GASSING WAS OCCURRING DUE TO A HOT SPOT IN THE CORE STEEL. A DECISION WAS MADE TO TAKE THE UNIT OFF-LINE SOONER THAN THE ORIGINALLY SCHEDULED OUTAGE.

THE GENERATOR WENT OFF-LINE AT 1800 OF THE 10TH AND THE REACTOR WAS MANUALLY SHUTDOWN AT 2153. THIS STARTED THE CYCLE 13 TO 14 REFUELING OUTAGE.

THE REFUELING OUTAGE HAS HAD NO MAJOR PROBLEMS AND 2GT TRANSFORMER REPLACEMENT SHOULD NOT EXTEND THE OUTAGE.

THIS ENDED A CONTINUOUS OPERATING RUN OF 147 DAYS.

CURRENT CONTINUOUS OPERATING RUN OF 000 DAYS.

9010250312 901017
PDR ADGCK 05000306
R PNU

AVERAGE DAILY UNIT POWER LEVEL

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<u>DAY</u>	<u>AVERAGE DAILY POWER LFVEL (MWE-NET)</u>
1	406
2	400
3	395
4	391
5	381
6	383
7	373
8	366
9	359
10	242
11	-11
12	-3
13	-3
14	-2
15	-2
16	-2
17	-2
18	-2
19	-2
20	-2
21	-2
22	-2
23	-2
24	-2
25	-1
26	-1
27	-1
28	-2
29	-2
30	-2

AVERAGE LOADS ABOVE 500 MWE-NET ARE DUE
TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

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OPERATING STATUS

- | | NOTES: |
|--|--------|
| 1. UNIT NAME: <u>PRAIRIE ISLAND NO. 2</u> | |
| 2. REPORTING PERIOD: <u>SEPTEMBER 1990</u> | |
| 3. LICENSED THERMAL POWER (MWT): <u>1650</u> | |
| 4. NAMEPLATE RATING (GROSS MWE): <u>593</u> | |
| 5. DESIGN ELECTRICAL RATING (NET MWE) <u>530</u> | |
| 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): <u>531</u> | |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): <u>500</u> | |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7)
SINCE LAST REPORT GIVE REASON: <u>NONE</u> | |
| 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): <u>NONE</u> | |
| 10. REASONS FOR RESTRICTIONS, IF ANY: <u>NONE</u> | |

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	720	6551	138309
12. NUMBER OF HOURS REACTOR WAS CRITICAL	237.9	5758.7	121660.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	234.0	5620.1	120388.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	295746	9027549	190255796
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	95760	2960450	61703370
18. NET ELECTRICAL ENERGY GENERATED (MWH)	87524	2786271	58344064
19. UNIT SERVICE FACTOR	32.5	85.8	87.0
20. UNIT AVAILABILITY FACTOR	32.5	85.8	87.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	24.3	85.1	84.4
22. UNIT CAPACITY FACTOR (USING DER NET)	22.9	80.2	79.6
23. UNIT FORCED OUTAGE RATE	0.0	6.7	3.2
24. FORCED OUTAGE HOURS	0.0	403.2	3949.0
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

REFUELING AND MAINTENANCE IN SEPTEMBER 12, 1990

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: OCTOBER 8, 1990

UNIT SHUTDOWNS AND POWER REDUCTION

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MONTH: SEPTEMBER 1990

<u>DATE</u> <u>YY/MM/DD</u>	<u>TYPE</u>	<u>HOURS</u> <u>000.0</u>	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>
90/08/14	S	0.0	C	5	N/A	N/A	N/A
BEGAN COASTDOWN OPERATION.							
90/09/10	S	486.0	C	4	N/A	N/A	N/A
CYCLE 13 TO 14 REFUELING AND MAINTENANCE OUTAGE.							

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	805-1984 (P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	<u>COMPONENT CODE</u>
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		