

MONTHLY SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE JANUARY 3, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: DECEMBER --- 1990 ---

THE UNIT WAS BASE LOADED THIS MONTH THERE WERE NO SHUTDOWNS.

AT 2202 OF NOVEMBER 30TH THE UNIT STARTED TO REDUCE POWER FOR CONDENSER TUBE CLEANING PLUS MAINTENANCE ON 11 FEED WATER PUMP SUCTION RELIEF VALVE AND 15A & 15B FEED WATER HEATER RELIEF VALVES. THE POWER REDUCTION WAS STOPPED AT 0354 OF THE 1ST AT APPROXIMATELY 185 MWE. WITH REPAIRS COMPLETED THE UNIT STARTED TO INCREASE POWER AT 1615 OF THE 2ND AND REACHED FULL POWER OPERATION AT 0620 OF THE 3RD OF DECEMBER.

THE UNIT WAS DOWN ABOUT 3 MWE TO REPAIR A GASKET ON 1 MSR ON THE 17TH.

THERE WERE NO OTHER POWER REDUCTIONS.

FOR 1990 THERE WAS ONE (1) UNPLANNED AUTOMATIC REACTOR SCRAM AND 937.8 HOURS OF DOWN TIME FOR A REFUELING OUTAGE.

CURRENT CONTINUOUS OPERATING RUN OF 039 DAYS.

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PDR ADOCK 05000282  
R PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE JANUARY 3, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: DECEMBER ---1990---

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	189
2	181
3	498
4	525
5	532
6	526
7	528
8	533
9	524
10	525
11	530
12	528
13	528
14	527
15	530
16	524
17	527
18	524
19	529
20	530
21	529
22	528
23	528
24	527
25	529
26	527
27	529
28	528
29	529
30	527
31	527

AVERAGE LOADS ABOVE 532 MWE-NET ARE DUE  
TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

DOCKET NO. 50-282  
 UNIT PRAIRIE ISLAND NO. 1  
 DATE JANUARY 3, 1991  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: DECEMBER 1990
3. LICENSED THERMAL POWER (MWT): 1650
4. NAMEPLATE RATING (GROSS MWE): 593
5. DESIGN ELECTRICAL RATING (NET MWE): 530
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 534
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 532
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT GIVE REASON: NONE
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: NONE

	THIS MONTH	YB-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	8760	149400
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	7840.4	126959.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	744.0	7764.4	125412.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1177415	12300700	197662154
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	355040	4070350	64862910
18. NET ELECTRICAL ENERGY GENERATED (MWH)	375520	3829677	60883011
19. UNIT SERVICE FACTOR	100.0	88.6	83.9
20. UNIT AVAILABILITY FACTOR	100.0	88.6	83.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.3	86.9	81.0
22. UNIT CAPACITY FACTOR (USING DER NET)	95.2	82.5	76.9
23. UNIT FORCED OUTAGE RATE	0.0	0.7	5.7
24. FORCED OUTAGE HOURS	0.0	57.8	7540.3
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

N/A

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282  
 UNIT NAME BEAIRIE ISLAND NO. 1  
 DATE JANUARY 31 1991  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4374

MONTH DECEMBER 1990

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LEG. NUMBER	SYSTEM	COMPONENT
90/12/01	S	00.0	B	S	N/A	SI	COND CONDENSER TUBE CLEANING AND FEED WATER VALVE REPAIR.

TYPE	REASON	METHOD	SYSTEM CODE
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	COMPONENT CODE
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE JANUARY 3, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: DECEMBER --- 1990 ---

THE UNIT WAS BASE LOADED THIS MONTH.

THE UNIT TRIPPED AT 2234 OF THE 29TH FROM A NEG FLUX RATE SIGNAL DUE TO TWO (2) FAILED CARDS OF THE ROD CONTROL SYSTEM. THE FAILED ITEMS WERE A STATIONARY GRIPPER REGULATION CARD AND AN ALARM CARD. AFTER THESE ITEMS WERE REPLACED THE REACTOR WENT CRITICAL AT 1034 OF THE 30TH, THE GENERATOR WAS PLACED ON-LINE AT 1332 AND THE UNIT WAS AT FULL POWER OPERATION BY 2151 OF THE SAME DAY.

THERE WERE NO OTHER POWER REDUCTIONS.

FOR 1990 THERE WERE FIVE (5) UNPLANNED AUTOMATIC REACTOR SCRAMS AND 696.6 HOURS OF DOWN TIME FOR A REFUELING OUTAGE.

CURRENT CONTINUOUS OPERATING RUN OF 001 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306  
 UNIT PRAIRIE ISLAND NO. 2  
 DATE JANUARY 3, 1991  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-368-1121-4376

MONTH: DECEMBER ---1990---

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	529
2	525
3	528
4	523
5	531
6	524
7	526
8	528
9	526
10	523
11	528
12	526
13	526
14	531
15	523
16	525
17	528
18	525
19	526
20	527
21	524
22	527
23	524
24	527
25	526
26	532
27	522
28	526
29	493
30	143
31	530

AVERAGE LOADS ABOVE 530 MWE-NET ARE DUE  
 TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

DOCKET NO. 50-306  
 UNIT PRAIRIE ISLAND NO. 2  
 DATE JANUARY 3, 1991  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

OPERATING STATUS

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

	THIS MONTH	YB-TQ-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	8760	140518
12. NUMBER OF HOURS REACTOR WAS CRITICAL	732.0	7785.7	123687.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	729.0	7603.5	122371.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1196534	12238751	193466998
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	400770	4036490	62779410
18. NET ELECTRICAL ENERGY GENERATED (MWH)	381556	3803698	59361491
19. UNIT SERVICE FACTOR	98.0	86.8	87.1
20. UNIT AVAILABILITY FACTOR	98.0	86.8	87.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.6	86.8	84.5
22. UNIT CAPACITY FACTOR (USING DER NET)	96.8	81.9	79.7
23. UNIT FORCED OUTAGE RATE	2.0	5.2	3.1
24. FORCED OUTAGE HOURS	15.0	418.2	3964.0
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

N/A

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306  
 UNIT NAME PRAIRIE ISLAND NO. 2  
 DATE JANUARY 3, 1991  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

MONTH: DECEMBER 1990

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
90/12/29	F	15.0	A	3		AA	ROD CONTROL

TYPE	REASON	METHOD	SYSTEM CODE
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	COMPONENT CODE
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		