



Northern States Power Company

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February 6, 1990

Prairie Island Technical Specification
Section 6.7.A.3

U S Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket No. 50-282 License No. DPR-42
50-306 DPR-60

Monthly Operating Report
January 1990

Attached is the Monthly Operating Report for January, 1990 for the Prairie
Island Nuclear Generating Plant.

for *Therica Vik*
Thomas M Parker
Manager
Nuclear Support Services

TMP/mkl

c: **Director Office of Resource Management**
Regional Administrator-III, NRC
NRR Project Manager, NRC
NRC Resident Inspector
MPCA
Attn: J W Ferman

Attachment

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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE FEBRUARY 5, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JANUARY 1990

THE UNIT WAS BASE LOADED THIS MONTH IN COASTDOWN OPERATION.

THE GENERATOR WAS TAKEN OFF-LINE AT 2213 OF THE 16TH AND THE REACTOR WAS IN HOT SHUTDOWN CONDITION AT 2347 TO BEGIN THE REFUELING AND MAINTENANCE OUTAGE. THIS WILL BE THE 14TH REFUELING CYCLE. THIS ENDED A CONTINUOUS RUN OF 178 DAYS.

CURRENT CONTINUOUS OPERATING RUN OF 000 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE FEBRUARY 5, 1990
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121-4376

MONTH: JANUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	316
2	302
3	293
4	293
5	289
6	281
7	280
8	278
9	271
10	270
11	262
12	258
13	261
14	254
15	250
16	219
17	-9
18	-4
19	-2
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

AVERAGE LOADS ABOVE 503 MWE-NET ARE DUE
 TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE FEBRUARY 5, 1990
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: JANUARY 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): 503
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

NOTES:

	THIS MONTH	YB=IQ=DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	744	141384
12. NUMBER OF HOURS REACTOR WAS CRITICAL	383.8	383.8	119503.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	382.2	382.2	118030.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	349418	349418	185710872
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	114060	114060	60906620
18. NET ELECTRICAL ENERGY GENERATED (MWH)	104670	104670	57158004
19. UNIT SERVICE FACTOR	51.4	51.4	83.5
20. UNIT AVAILABILITY FACTOR	51.4	51.4	83.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	28.0	28.0	80.4
22. UNIT CAPACITY FACTOR (USING DER NET)	26.5	26.5	76.3
23. UNIT FORCED OUTAGE RATE	0.0	0.0	6.0
24. FORCED OUTAGE HOURS	0.0	0.0	7482.5
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

REUELING OUTAGE ON JANUARY 9, 1990 32 TO 35 DAYS

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: FEBRUARY 21, 1990

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282
 UNIT NAME EBAIBIE ISLAND NO. 1
 DATE FEBRUARY 5, 1990
 COMPLETED BY DALE DUGSIAD
 TELEPHONE 612-388-1121-4376

MONTH: JANUARY 1990

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LEG. NUMBER	SYSTEM	COMPONENT
90/01/16	S	361.8	C	1	N/A	N/A	N/A
REFUELING, MAINTENANCE OUTAGE, CYCLE 14.							

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 FEBRUARY 5, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JANUARY 1990

THE UNIT WAS OFF-LINE (REACTOR AT HOT SHUTDOWN) AT THE BEGINNING OF THIS MONTH DUE TO THE EQUIPMENT PROBLEMS THAT OCCURRED IN JANUARY. PROBLEMS ASSOCIATED WITH THE SUBSTATION BREAKERS, THE ROD CONTROL M-G SET BREAKERS AND THE ROD CONTROL SYSTEM WERE IDENTIFIED AND RESOLVED. REFER TO LER 89-004 FOR A MORE DETAILED REPORT.

THE REACTOR WENT CRITICAL AT 0126 OF THE 10TH AND THE GENERATOR WAS PLACED ON-LINE AT 1618 OF THE SAME DAY. THE UNIT REACHED 100% POWER OPERATION AT 2300 OF THE 11TH. THIS ENDED A FORCED OUTAGE OF APPROXIMATELY 14 DAYS.

CURRENTLY THE UNIT IS BASE LOADED OPERATING AT 100% POWER. THERE WERE NO OTHER SHUTDOWNS.

CURRENT CONTINUOUS OPERATING RUN OF 021 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE FEBRUARY 5, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JANUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	-13
2	-14
3	-15
4	-15
5	-14
6	-15
7	-14
8	-13
9	-14
10	20
11	349
12	523
13	529
14	525
15	526
16	525
17	524
18	523
19	522
20	525
21	524
22	526
23	523
24	525
25	524
26	525
27	525
28	525
29	524
30	524
31	526

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

OPERATING DATA REPORT

DOCKET NO. 50-306
 UNIT PRAIRIE ISLAND NO. 2
 DATE FEBRUARY 5, 1990
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: JANUARY 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): 500
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

NOTES:

	THIS MONTH	YB-TQ-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	744	132502
12. NUMBER OF HOURS REACTOR WAS CRITICAL	526.6	526.6	116428.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	511.7	511.7	115279.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	819550	819550	182047797
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	273120	273120	59010040
18. NET ELECTRICAL ENERGY GENERATED (MWH)	257651	257651	55815444
19. UNIT SERVICE FACTOR	68.8	68.8	87.0
20. UNIT AVAILABILITY FACTOR	68.8	68.8	87.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	69.3	69.3	84.2
22. UNIT CAPACITY FACTOR (USING DER NET)	65.3	65.3	79.5
23. UNIT FORCED OUTAGE RATE	31.2	31.2	3.2
24. FORCED OUTAGE HOURS	232.3	232.3	3778.1
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):	NONE		

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

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306
 UNIT NAME BEARIE ISLAND NO. 2
 DATE FEBRUARY 5, 1990
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121-4376

MONTH: JANUARY 1990

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
89/12/26	F	232.3	A	4	89-004	N/A	N/A
21 ROD CONTROL M-G SET, SUBSTATION BREAKER, ROD CONTROL SYSTEM EQUIPMENT PROBLEMS.							

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	COMPONENT CODE
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	IEEE STD 803A-1983
	F-ADMINISTRATIVE	9-OTHER	
	G-OPERATIONAL ERROR		
	H-OTHER		