



Northern States Power Company

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August 8, 1989

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
July, 1989

Attached is the Monthly Operating Report for July, 1989 for the Prairie Island Nuclear Generating Plant.

for *Monica 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 AUGUST 3, 1989
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: JULY 1989

THE UNIT WAS BASE LOADED THIS MONTH.

ON JULY 1ST OUR NPDES PERMIT ALLOWED US TO GO TO UNLIMITED BLOWDOWN TO THE RIVER.

THE HOT WEATHER IS CAUSING HEAT RELATED PROBLEMS AFFECTING PLANT EQUIPMENT SUCH AS HIGH STATOR TEMPERATURES ON THE CONDENSATE AND FEEDWATER PUMPS. FLUSHING THE COOLERS AND CLEANING THE HEAT EXCHANGERS HAS LOWERED THE TEMPERATURES.

ON THE 21ST AT 2343 THE UNIT TRIPPED DURING AN INVESTIGATION OF BURNING ODOR EMITTING FROM # 11 BUS (4KV). THIS BUS SUPPLIES POWER TO 11 REACTOR COOLING PUMP. ON THE 22ND AT 1902 THE REACTOR WENT CRITICAL AND THE GENERATOR WAS PLACED ON LINE AT 2204. THIS ENDED A CONTINUOUS RUN OF 246 DAYS.

NO OTHER ITEMS TO REPORT.

CONTINUOUS OPERATING RUN OF 009 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE AUGUST 3, 1989
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH: JULY 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	505
2	513
3	498
4	503
5	501
6	498
7	500
8	501
9	500
10	497
11	499
12	501
13	500
14	503
15	502
16	501
17	502
18	503
19	507
20	506
21	498
22	-11
23	460
24	501
25	501
26	500
27	500
28	502
29	505
30	507
31	508

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 AUGUST 3, 1989
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: JULY 1989
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

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5087	136967
12. NUMBER OF HOURS REACTOR WAS CRITICAL	724.7	5067.7	115446.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	721.7	5064.7	113975.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1181764	8279650	179627864
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	384450	2741250	58876730
18. NET ELECTRICAL ENERGY GENERATED (MWH)	360217	2587416	55248470
19. UNIT SERVICE FACTOR	97.0	99.6	83.2
20. UNIT AVAILABILITY FACTOR	97.0	99.6	83.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.3	101.1	80.2
22. UNIT CAPACITY FACTOR (USING DER NET)	91.4	96.0	76.1
23. UNIT FORCED OUTAGE RATE	3.0	0.4	6.2
24. FORCED OUTAGE HOURS	22.3	22.3	7482.5
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

BEWEELING OUTAGE ON JANUARY 10, 1990 33 DAYS

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

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282
 UNIT NAME PRAIRIE ISLAND NO. 1
 DATE AUGUST 3, 1982
 COMPLETED BY DALE DUGSIAD
 TELEPHONE 612-388-1121

MONTH: JULY 1982

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
89/07/06	S	0.0	B	5	N/A	N/A	N/A
AXIAL OFFSET CALIBRATION.							
89/07/21	F	22.3	G	3	89-010	EA	BKR
BREAKER TO 11 RCP OPENED DURING INVESTIGATION OF 11 BUS							
89/07/22	S	0.0	B	5	N/A	N/A	N/A
TURBINE OVERSPEED TRIP TEST.							

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 AUGUST 3, 1989
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: JULY 1989

THE UNIT WAS BASE LOADED THIS MONTH, NO SHUTDOWNS.

ON JULY 1ST OUR NPDES PERMIT ALLOWED US TO GO TO UNLIMITED BLOWDOWN TO THE RIVER.

THE HOT WEATHER IS CAUSING HEAT RELATED PROBLEMS AFFECTING PLANT EQUIPMENT SUCH AS FAN TRIPPING ON 2GT OIL COOLERS.

ON THE 18TH A SPIKE ON B TRAIN CHLORINE MONITOR CAUSED AN AUTOMATIC START OF 122 CONTROL ROOM CLEANUP FAN.

NO OTHER ITEMS TO REPORT.
CONTINUOUS OPERATING RUN OF 065 DAYS

AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-306
 UNIT PRAIRIE ISLAND NO. 2
 DATE AUGUST 3, 1989
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH: JULY 1989

DAY	AVERAGE_DAILY_POWER_LEVEL (MWE=NET)
1	504
2	509
3	502
4	502
5	501
6	499
7	499
8	502
9	499
10	498
11	498
12	501
13	501
14	503
15	479
16	501
17	501
18	503
19	505
20	505
21	502
22	504
23	501
24	501
25	499
26	500
27	498
28	500
29	505
30	505
31	507

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 AUGUST 3, 1989
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: JULY 1989
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

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5087	128085
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4352.8	112402.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	744.0	4303.8	111272.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1224639	6769057	175519511
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	396030	2222120	56846250
18. NET ELECTRICAL ENERGY GENERATED (MWH)	372823	2095850	53766451
19. UNIT SERVICE FACTOR	100.0	84.6	86.9
20. UNIT AVAILABILITY FACTOR	100.0	84.6	86.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.2	82.4	84.0
22. UNIT CAPACITY FACTOR (USING DER NET)	94.5	77.7	79.2
23. UNIT FORCED OUTAGE RATE	0.0	0.5	2.9
24. FORCED OUTAGE HOURS	0.0	21.8	3368.6
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 PBAIRIE ISLAND NO. 2
DATE AUGUST 3, 1989
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: JULY 1989

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
89/07/15	S	0.0	B	5	N/A	N/A	N/A
TURBINE VALVES TESTING.							
89/07/21	S	0.0	B	5	N/A	N/A	N/A
TURBINE OVERSPEED TRIP TEST.							

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		