

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE OCTOBER 3, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: SEPTEMBER 1986

THE UNIT WAS BASE LOADED THIS MONTH. NO SHUTDOWNS.
AT 0336 OF THE 8TH, THE UNIT BEGAN REDUCING POWER DUE TO UN-
AVAILABILITY OF DIESEL GENERATOR # 1 AND # 22 DIESEL COOLING
WATER PUMP. AT 0432 THE 22 DIESEL COOLING WATER PUMP WAS RE-
TURNED TO SERVICE WHICH ALLOW THE UNIT TO STOP LOAD REDUCTION
AT 0433. THE UNIT RETURNED TO 100% POWER OPERATION AT 0815.

8610200432 860930
PDR ADOCK 05000282
R PDR

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AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE OCTOBER 3, 1986
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH:--SEPTEMBER-1986--

DAY AVERAGE_DAILY_POWER_LEVEL_(MWE-NET)

1	513
2	511
3	512
4	512
5	516
6	515
7	445
8	509
9	519
10	518
11	519
12	514
13	518
14	519
15	519
16	520
17	523
18	520
19	520
20	523
21	520
22	518
23	521
24	519
25	524
26	514
27	520
28	355
29	517
30	518

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 OCTOBER 3, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: SEPTEMBER 1986
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	YB-TQ-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	6551	112127
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5703.4	93060.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	720.0	5680.5	91682.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1168195	8651458	144020071
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	389870	2851650	47052920
18. NET ELECTRICAL ENERGY GENERATED (MWH)	366950	2674537	44102371
19. UNIT SERVICE FACTOR	100.0	86.7	81.8
20. UNIT AVAILABILITY FACTOR	100.0	86.7	81.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.3	81.2	78.2
22. UNIT CAPACITY FACTOR (USING DER NET)	96.2	77.0	74.2
23. UNIT FORCED OUTAGE RATE	0.0	0.1	7.2
24. FORCED OUTAGE HOURS	0.0	6.1	7094.1
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 REDUCTIONS

DOCKET NO 50-282
UNIT NAME EBAIBIE ISLAND NO.1
DATE OCTOBER 3, 1984
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: SEPTEMBER 1984-----

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
86/09/07	S	0.0	B	5	N/A	N/A	N/A
TURBINE VALVES TEST.							
86/09/08	F	0.0	A	5	86-006	N/A	N/A
REDUCED POWER PER TECH SPECS DUE TO UNAVAILABILITY OF DIESELS.							
86/09/12	S	0.0	F	5	N/A	N/A	N/A
LOAD FOLLOW PER SYSTEM DISPATCH.							
86/09/28	S	0.0	B	5	N/A	N/A	N/A
TURBINE VALVES TESTING.							

TYPE	REASON	METHOD	SYSTEM CODE
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHED	B-MAINTENANCE OF 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-OPERATOR ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE OCTOBER 3, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH--SEPTEMBER 1986--

THE UNIT WAS IN COASTDOWN OPERATION THIS MONTH. AT 0336 OF THE 8TH, THE UNIT ALSO STARTED TO REDUCE POWER DUE TO THE DIESEL PROBLEMS AS EXPLAINED FOR UNIT 1. THE LOAD REDUCTION STOPPED AT 0433 AND POWER ESCULATION STARTED AT 0835. THERE WERE NO SHUT-DOWNS.

AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE OCTOBER 3, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: SEPTEMBER 1986

DAY	AVERAGE_DAILY_POWER_LEVEL (MWE-NET)
1	493
2	485
3	483
4	469
5	469
6	465
7	461
8	444
9	454
10	441
11	440
12	432
13	432
14	425
15	419
16	417
17	412
18	407
19	403
20	401
21	340
22	370
23	371
24	368
25	358
26	356
27	346
28	343
29	330
30	334

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 OCTOBER 3, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: SEPTEMBER 1986
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-TQ-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	6551	103245
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6517.1	90020.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	720.0	6507.5	89010.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	960120	10411969	140084360
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	318370	3452990	45179070
18. NET ELECTRICAL ENERGY GENERATED (MWH)	296902	3263247	42752534
19. UNIT SERVICE FACTOR	100.0	99.3	86.2
20. UNIT AVAILABILITY FACTOR	100.0	99.3	86.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	82.5	99.6	82.8
22. UNIT CAPACITY FACTOR (USING DER NET)	77.8	94.0	78.1
23. UNIT FORCED OUTAGE RATE	0.0	0.7	3.5
24. FORCED OUTAGE HOURS	0.0	43.5	3253.1
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

-----REVEILING ON OCTOBER 23RD-----

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

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306
UNIT NAME EBBWASIE ISLAND NO.2
DATE OCTOBER 3, 1984
COMPLETED BY DALE DUGSIAD
TELEPHONE 612-388-1121

MONTH: SEPTEMBER 1984

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
86/09/08	F	0.0	A	5	86-006	N/A	N/A
REDUCED POWER PER TECH SPECS DUE TO UNAVAILABILITY OF DIESELS.							
86/09/21	S	0.0	B	5	N/A	N/A	N/A
TURBINE VALVES TESTING.							

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-OPERATOR ERROR		
	H-OTHER		



Northern States Power Company

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October 8, 1986

Director, Office of Resource Management
U S Nuclear Regulatory Commission
Washington, DC 20555

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

Monthly Operating Report
September, 1986

Attached are twelve copies of the Monthly Operating Report for
September, 1986 for the Prairie Island Nuclear Generating Plant.

David Musolf
Manager of Nuclear Support Services

DMM/EFE/dab

c: Regional Administrator-III, NRC
NRR Project Manager, NRC
NRC Resident Inspector
MPCA
Attn: J W Ferman

Attachment

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