NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT Prairie Island No. 1
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

PINGP 353 Rev 0

MONTH OCTOBER 1979

On October 2nd a tube break occurred in No. 11 Steam Generator. The resultant leakage caused a reactor trip at 1424 hours on low pressurizer pressure and safety injection initiation five seconds later. All safety systems functioned as designed, and the reactor was shutdown and cooled down and the steam generator isolated expeditiously following existing operating procedures. It was found that a foreign object (a spring) had caused mechanical wear of the failed tube and one or two more tubes. Six tubes were plugged, a pressure test conducted and the steam generator was returned to service. The unit was returned to service at 0645 on October 23rd.

1329 122

7911140 180

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282
UNIT Prairie Island No. 1
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

MONTH OCTOBER 1979

DAY	AVERAGE LOAD MWe-Net	DAY	AVERAGE LOAD MWe-Net
1	402	17	-3
2	277	18	-3
3	-11	19	-15
4	-5	20	-19
5	-5	21	-20
6	-4	22	-19
7	-4	23	143
8	-4	24	269
9	-4	25	419
10	-3	26	481
11	-3	27	479
12	-3	28	479
13	-3	29	476
14	-3	30	476
15	-3	31	474
16	-3		

Average loads above 503 MWe-Net are due to cooler condenser circulating water.

1329 123

OPERATING DATA REPORT

DOCKET NO 50-282
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

OPERATING STATUS

1. Unit Name: Prairie Island No. 1
2. Reporting Period: October 1979
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): 501
7. Maximum Dependable Capacity (Net MWe): 470
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report: Give Reason:
9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons for Restrictions, If Any:

Notes

IGP 119, Rev. 11

		This Month	Yr-To-Date	Cumulative
11.	Hours In Reporting Period	745	7296	51504
12.	Number Of Hours Reactor Was Critical	252.2	5308.0	39997.1
13.	Reactor Reserve Shutdown Hours	0.0	824.1	5279.2
14.	Hours Generator On Line	248.7	5216.1	38933.3
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	372109	8094243	60374825
17.	Gross Electrical Energy Generated (MWH)	113390	2590980	1962187[illegible]
18.	Net Electrical Energy Generated (MWH)	102195	2416833	18345265
19.	Unit Service Factor	33.4	71.5	75.6
20.	Unit Availability Factor	33.4	71.5	75.6
21.	Unit Capacity Factor (Using MDC Net)	29.2	70.5	70.8
22.	Unit Capacity Factor (Using DER Net)	25.9	62.5	67.2
23.	Unit Forced Outage Rate	66.6	19.4	13.5

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):
Refueling, Summer 1980, 5 weeks

25. If Shut Down at End Of Report Period, Estimated Date of Startup:

1329 124

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-282
UNIT NAME Prairie Island No. 1
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

REPORT MONTH OCTOBER 1979

Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
791002	F	496.3	A	3	79-27	HJ	HTEXCH	Shutdown due to rupture of one tube in No. 11 Steam Generator.

1 F: Forced
S: Scheduled

2 Reason
A-Equipment Failure(Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain

3 Method:
1-Manual
2-Manual Trip
3-Automatic Trip
4-Other (Explain)

4 Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5 Exhibit 1 - Same Source

PINGP 120, Rev. 4

1279 125

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306
UNIT Prairie Island No. 2
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

PINGP 353 Rev 0

MONTH OCTOBER 1979

The unit was in Load Follow operation this month; no shutdowns.

1329 126

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306
UNIT Prairie Island No. 2
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

MONTH OCTOBER 1979

DAY	AVERAGE LOAD MWe-Net	DAY	AVERAGE LOAD MWe-Net
1	497	17	514
2	418	18	511
3	509	19	509
4	514	20	503
5	514	21	508
6	516	22	510
7	517	23	515
8	511	24	509
9	518	25	506
10	508	26	505
11	509	27	499
12	518	28	474
13	518	29	496
14	471	30	500
15	515	31	497
16	514		

Average loads above 500 MWe-Net are due to cooler condenser circulating water.

1329 127

OPERATING DATA REPORT

DOCKET NO 50-306
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

OPERATING STATUS

1. Unit Name: Prairie Island No. 2
2. Reporting Period: October 1979
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:
9. Power Level To Which Restricted If Any (Net MWe):
10. Reasons for Restrictions, If Any:

Notes

GP 119, Rev. 11

		This Month	Yr-To-Date	Cumulative
11.	Hours In Reporting Period	745	7296	42622
12.	Number Of Hours Reactor Was Critical	745.0	7242.2	37685.8
13.	Reactor Reserve Shutdown Hours	0.0	6.5	1385.2
14.	Hours Generator On Line	745.0	7229.8	36965.4
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1121050	11326804	57346089
17.	Gross Electrical Energy Generated (MWH)	400100	3717820	18305560
18.	Net Electrical Energy Generated (MWH)	375449	3489459	17135047
19.	Unit Service Factor	100.0	99.1	86.7
20.	Unit Availability Factor	100.0	99.1	86.7
21.	Unit Capacity Factor (Using MDC Net)	100.8	95.7	80.4
22.	Unit Capacity Factor (Using DER Net)	95.1	90.2	75.9
23.	Unit Forced Outage Rate	0.0	0.3	5.0

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):
Refueling, January 1980, 5 weeks

25. If Shut Down at End Of Report Period, Estimated Date of Startup:

1329 128

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-306
UNIT NAME Prairie Island No. 2
DATE 791101
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

REPORT MONTH OCTOBER 1979

Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence

[1] F: Forced
S: Scheduled

[2] Reason
A-Equipment Failure(Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain

[3] Method:
1-Manual
2-Manual Trip
3-Automatic Trip
4-Other (Explain)

[4] Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

[5] Exhibit 1 - Same Source

PINGP 120, Rev. 4

1279 129

CORRECTED

OPERATING DATA REPORT

DOCKET NO 50-306
DATE 791001
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

OPERATING STATUS

1. Unit Name: Prairie Island No. 2
2. Reporting Period: September 1979
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:
9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons for Restrictions, If Any:

Notes

		This Month	Yr-To-Date	Cumulative
11.	Hours In Reporting Period	720	6551	41877
12.	Number Of Hours Reactor Was Critical	720.0	6497.2	36940.8
13.	Reactor Reserve Shutdown Hours	0.0	6.5	1385.2
14.	Hours Generator On Line	720.0	6484.8	36220.4
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1154994	10205754	56225039
17.	Gross Electrical Energy Generated (MWH)	369820	3317720	17905460
18.	Net Electrical Energy Generated (MWH)	347023	3114010	16759598
19.	Unit Service Factor	100.0	99.0	86.5
20.	Unit Availability Factor	100.0	99.0	86.5
21.	Unit Capacity Factor (Using MDC Net)	96.4	95.1	80.0
22.	Unit Capacity Factor (Using DER Net)	90.9	89.7	75.5
23.	Unit Forced Outage Rate	0.0	0.3	5.1

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):
Refueling, January 1980, 5 weeks
25. If Shut Down at End Of Report Period, Estimated Date of Startup:

GP 119, Rev. 11

1329 130