OPERATING DATA REPORT

DOCKET NO. 50-220
DATE 10/4/78
COMPLETED BY T.J. Perkins
TELEPHONE (315) 343-2110
Ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 09/01/78 - 09/30/78
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 620
6. Maximum Dependable Capacity (Gross MWe): 630
7. Maximum Dependable Capacity (Net MWe): 610
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): 552 MWe (1674.3MWt)
10. Reasons For Restrictions, If Any: 90.5 SCRAM Reactivity Coast Down

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	655.1	78143
12. Number Of Hours Reactor Was Critical	698.9	6319.6	57388.5
13. Reactor Reserve Shutdown Hours	0	0	1204
14. Hours Generator On-Line	697.7	6258.9	54849.1
15. Unit Reserve Shutdown Hours	0	0	20.2
16. Gross Thermal Energy Generated (MWH)	1,084,372	10,521,705	88,975,714
17. Gross Electrical Energy Generated (MWH)	355,220	3,498,328	29,280,040
18. Net Electrical Energy Generated (MWH)	344,144	3,381,630	28,358,553
19. Unit Service Factor	96.9	95.5	7.2
20. Unit Availability Factor	96.9	95.5	70.2
21. Unit Capacity Factor (Using MDC Net)	78.4	84.9	59.5
22. Unit Capacity Factor (Using DER Net)	77.1	83.3	58.5
23. Unit Forced Outage Rate	0	1.9	10.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
March 4, 1979 - Annual Shutdown, Overhaul and Refuel

25. If Shut Down At End Of Report Period, Estimated Date of Startup: October 5, 1978

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

7810160121

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT 9 Mile Point Unit#1
DATE October 4, 1978
COMPLETED BY T.J. Perkins
TELEPHONE (315) 343-2110 Ext. 1312

MONTH SEPTEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	482	17	541
2	480	18	544
3	481	19	543
4	482	20	546
5	458	21	545
6	484	22	539
7	480	23	465
8	479	24	518
9	403	25	531
10	499	26	538
11	527	27	538
12	531	28	539
13	348	29	503
14	311	30	3.6
15	480	31	
16	536		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-220
UNIT NAME 9Mile Point Unit #1
DATE October 4, 1978
COMPLETED BY T. J. Perkins
TELEPHONE (315) 343-2110 Ext.1312

REPORT MONTH September

No.	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
	9/9/78	S	7.2	H	1				Reduced Load 495-380 MWe to pull control rods.
	9/23/78	S	4	H	1				Reduced load 551-448 to pull control rods.
	9/29/78	S	2.8	H	1				Reduced load to remove unit from service.
	9/30/78	S	22.3	H	1				Unit out of service

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 Scram.
3-Automatic Scram.
4-Other (Explain)

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

5
Exhibit I - Same Source

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT NMP#1
DATE 8/7/78
COMPLETED BY T.J. Perkins TJP
TELEPHONE 315-343-2110 Ext. 1312

MONTH JULY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	381	17	533
2	488	18	531
3	514	19	538
4	535	20	538
5	556	21	532
6	554	22	520
7	551	23	461
8	549	24	523
9	545	25	531
10	541	26	533
11	544	27	536
12	545	28	533
13	550	29	534
14	541	30	536
15	460	31	535
16	519		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-220
UNIT NAME Nine Mile Point #1
DATE 8/7/78
COMPLETED BY T.J. Perkins
TELEPHONE 315-343-2110 Ext 1312

REPORT MONTH JULY

No.	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
	7/1/78	S	168	H	1				Rod swap and preconditioning
	7/14/78	S	48	H	1				Rod pull and preconditioning
	7/22/78	S	72	H	1				Condenser Demin Change and rod pull
									Derated to 94% scram reactivity coast down

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance of 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 Scram.
3-Automatic Scram.
4-Other (Explain)

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

5
Exhibit I - Same Source

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-220
DATE 8/7/78
COMPLETED BY T.J. Perkins
TELEPHONE 315-343-2110
Ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 07/01/78-- 07/31/78
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 620
6. Maximum Dependable Capacity (Gross MWe): 630
7. Maximum Dependable Capacity (Net MWe): 610
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5087	76679
12. Number Of Hours Reactor Was Critical	744	4892.4	55961.3
13. Reactor Reserve Shutdown Hours	0	0	1204.0
14. Hours Generator On-Line	744	4847	53537.2
15. Unit Reserve Shutdown Hours	0	0	20.2
16. Gross Thermal Energy Generated (MWH)	1,255,237	8,259,333	86,713,342
17. Gross Electrical Energy Generated (MWH)	404,816	2,763,073	28,544,785
18. Net Electrical Energy Generated (MWH)	390,868	2,670,806	27,647,729
19. Unit Service Factor	100	95.3	69.8
20. Unit Availability Factor	100	95.3	71.4
21. Unit Capacity Factor (Using MDC Net)	86.1	86.1	59.1
22. Unit Capacity Factor (Using DER Net)	84.7	84.7	58.2
23. Unit Forced Outage Rate	0	1.8	10.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

25. If Shut Down At End Of Report Period, Estimated Date of Startup:
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

JULY 1978

The station operated at 100% availability and 86.1% capacity factor during the month of July. The unit was derated to 94%, due to scram reactivity coast down. The daily operating history follows:

July 1	At 0400 hours, station load was reduced to 310 MWe for control rod swap. Rod swap was completed at 0450 hours and load was increased to 425 MWe by 1600 hours. Increase was continued from this level at the fuel pre-conditioning rate of 3 MWe/hr.
July 2-5	Increased load at fuel pre-conditioning rate.
July 5	At 0800 hours, station load reached 570 MWe.
July 6-14	Station load fluctuated between 570 MWe and 560 MWe mainly due to variations in lake temperatures.
July 14	At 2310 hours, reduced station load to 450 MWe for control rod changes.
July 15	At 0235 hours, rod changes were completed and load was increased at the fuel pre-conditioning rate of 3 MWe/hr.
July 16	At 1600 hours, station load was approximately 545 MWe. Holding load at this level at request of Reactor Analyst.
July 17	Increased station load to 550 MWe.
July 18-22	Station load fluctuated between 550 MWe and 540 MWe mainly due to variations in lake temperature.
July 22	At 2210 hours, station load was reduced to 440 MWe to change a condensate demineralizer and make control rod changes.
July 23	At 0206 hours, increased station load at fuel pre-conditioning rate of 3 MWe/hr.
July 24	Continued increasing load at fuel pre-conditioning rate of 3 MWe/hr.
July 25	At 0800 hours, station load reached 545 MWe. Holding at this level at request of Reactor Analyst.
July 25-31	Station load fluctuated between 550 MWe and 545 MWe mainly due to variations in lake temperature.

OPERATING DATA REPORT

DOCKET NO. 50-220
DATE July 6, 1978
COMPLETED BY T.J. Perkins
TELEPHONE (315)343-2110 ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 06/01/78 - 06/30/78
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 620
6. Maximum Dependable Capacity (Gross MWe): 630
7. Maximum Dependable Capacity (Net MWe): 610
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4343	75935
12. Number Of Hours Reactor Was Critical	720	4148.4	55,217.3
13. Reactor Reserve Shutdown Hours	0	0	1,204.0
14. Hours Generator On-Line	720	4103.0	52,793.2
15. Unit Reserve Shutdown Hours	0	0	20.2
16. Gross Thermal Energy Generated (MWH)	1,260,385	7,004,096	85,458,105
17. Gross Electrical Energy Generated (MWH)	421,555	2,358,257	28,139,969
18. Net Electrical Energy Generated (MWH)	408,146	2,279,938	27,256,861
19. Unit Service Factor	100	94.5	69.5
20. Unit Availability Factor	100	94.5	69.5
21. Unit Capacity Factor (Using MDC Net)	92.9	86.1	58.8
22. Unit Capacity Factor (Using DER Net)	91.4	84.7	57.9
23. Unit Forced Outage Rate	0	2.2	10.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

25. If Shut Down At End Of Report Period, Estimated Date of Startup:
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT 9 Mile Point #1
DATE July 6, 1978
COMPLETED BY T.J. Perkins
TELEPHONE (315)343-2110 ext. 1312

MONTH June

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	553	17	500
2	586	18	543
3	585	19	550
4	578	20	578
5	587	21	575
6	589	22	576
7	592	23	577
8	595	24	562
9	590	25	492
10	499	26	546
11	540	27	568
12	578	28	571
13	595	29	562
14	595	30	565
15	595	31	
16	586		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-220
UNIT NAME 9 Mile Point Unit #1
DATE July 6, 1978
COMPLETED BY T. J. Perkins
TELEPHONE (315)343-2110 ext. 1312

REPORT MONTH June

No.	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
	6/1 - 6/4	S	96	H					Precondition from start up.
	6/04	S	8	F	1				Economy.
	6/10	S	5.7	H	1				Demin. Change.
	6/16	S	2	H	1				Demin. Change.
	6/17	S	3.8	H					Demin. Change.
	6/17	F	18.8						T.I.P. Machine Problems.
	6/18		24						Core Limits.
	6/19		24						Core Limits.
	6/24	S	3.5	H	1				Demin. Change.
	6/25	S	5	H	1				Demin. Change.
	6/25	S	19	F	1				Economy.
	6/26	S	5	F	1				Economy.
	6/26	S	3	H	1				Demin. Change.
	6/29	S	4	H	1				Demin. Change.
	6/29	F	20	F					Δ T Condenser.
	6/30	F	24	F					Δ T Condenser.

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 Scram.
3-Automatic Scram.
4-Other (Explain)

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

5
Exhibit I - Same Source

(9/77)

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

JUNE 1978

The station operated at 100% availability and a capacity factor of 92.9% for the month. There were several time periods at reduced power due to economy, condensate demineralizer resin changes, condenser dT, etc. The daily history of operation follows:

June 1-3	Pre-conditioning after unit start-up (550 MWe), reached 610 MWe at 1300 June 2
June 4-9	Operated steady state at approx. 600 MWe
June 10-12	Reduced load to 500 MWe for a condensate demineralizer resin change and control rod withdrawals. Started pre-conditioning to establish new envelope at 488 MWe; reached 603 MWe at 2000 June 12
June 14-17	Due to decreasing lake temperature and power rod withdrawals, increased load to 615 MWe. At 1000 reduced load slightly to clear up vibration problems at turbine control valve hydraulic system. 2200 on June 16 reduced power to 500 MWe for CDM exchange and rod withdrawal. Had to hold power return at 500 MWe due to a failed T.I.P. Commenced load increases via pre-conditioning rate after T.I.P. replacement at 2305 on June 17.
June 18-24	At 560 MWe, allowed load to coast down since MAPRAT was close to limits. Continued pre-conditioning rate load increases at 0910 19 June, attaining 595 MWe at 0625 on June 21. Experienced turbine control valve oscillations at 1350, reduced 5 MWe and held load at that level until reduction to 500 MWe was made at 2022, 24 June for change out of resin bed of CDM
June 25-30	Held load at 500 MWe in response to power control - economy reduction. Commenced load increases to 575 MWe at 0815 on June 25, then to 595 via pre-conditioning rate and maintaining this load due to control valve oscillations. Dropped 100 MWe on June 29 for CDM exchange and returned after change out completed. Held at 570 MWe due to condenser dT limits until 2300 June 30 when load was reduced to effect a control rod sequence exchange.

OPERATING DATA REPORT

DOCKET NO. 50-220
DATE 6/5/78
COMPLETED BY T. J. Perkins TJP
TELEPHONE 315 343-2110
ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Pt. Unit #1
2. Reporting Period: 05/01/78 - 05/31/78
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 620
6. Maximum Dependable Capacity (Gross MWe): 630
7. Maximum Dependable Capacity (Net MWe): 610
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): ———
10. Reasons For Restrictions, If Any: ———

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	3,623	75,215
12. Number Of Hours Reactor Was Critical	598.3	3,428.4	54,497.3
13. Reactor Reserve Shutdown Hours	-0-	-0-	1,204.0
14. Hours Generator On-Line	576.7	3,383.0	52,073.2
15. Unit Reserve Shutdown Hours	-0-	-0-	20.2
16. Gross Thermal Energy Generated (MWH)	861,812	5,743,711	84,197,720
17. Gross Electrical Energy Generated (MWH)	277,313	1,936,702	27,718,414
18. Net Electrical Energy Generated (MWH)	267,844	1,871,792	26,848,715
19. Unit Service Factor	77.5	93.4	69.2
20. Unit Availability Factor	77.5	93.4	69.3
21. Unit Capacity Factor (Using MDC Net)	59	84.7	58.5
22. Unit Capacity Factor (Using DER Net)	58.1	83.3	57.6
23. Unit Forced Outage Rate	3.1	2.6	10.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	———	———
INITIAL ELECTRICITY	———	———
COMMERCIAL OPERATION	———	———

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT Nine Mile Pt.-Unit #1
DATE 6/5/78
COMPLETED BY T. J. Perkins
TELEPHONE (315) 343-2110
ext. 1312

MONTH MAY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	590	17	117
2	585	18	454
3	470	19	429
4	479	20	--
5	477	21	--
6	475	22	--
7	474	23	--
8	475	24	--
9	476	25	--
10	474	26	304
11	474	27	357
12	474	28	382
13	477	29	419
14	477	30	509
15	478	31	533
16	369		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-220
UNIT NAME Nine Mile Pt. Unit #1
DATE 6/5/78
COMPLETED BY T. J. Perkins
TELEPHONE (315) 343-2110 ext. 1312

REPORT MONTH MAY

No.	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
	5/2/78	F	432	A	1				Tube leak in 115 F.W. Heater - 602 MWE → 467 MWE
	5/16/78	F	18.3	H	3				Inst. & Control Technicians equipment failure caused scram while testing
	5/20/78	S	149	B	1				Snubber Inspection - replaced #14 Recirc Pump Seal Repair #115 F.W. Heater Tube Leak
	5/27/78	S	60	H					Holding power - Economic load dispatch

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 Scram.
3-Automatic Scram.
4-Other (Explain)

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

5
Exhibit I - Same Source

(9/77)

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE
MAY 1978

The station operated at 77.5% availability and 59% capacity factor during the month of May.

The reactor scrammed May 16, 1978 due to failure of testing equipment and was immediately returned to service.

The unit was shutdown for planned maintenance from May 20, 1978 to May 26, 1978 to repair #115 Feedwater Heater, #14 Reactor Recirculation Pump Seals and 13A Feedwater Flow Control Valve.

The daily operating history follows:

May 1-2	Station Load 602 MWe.
May 3	At 0050 reduced station load to 475 MWe and removed #115 feedwater heater from service.
May 3-4	Raised load to 487 MWe - load limited due to #115 feedwater heater being out of service.
May 4-13	Maintained station load at 487 MWe.
May 14-16	Station load 490 MWe.
May 16	At 1838, reactor scrammed on low water level. Test equipment shorted out and transmitted false signal to the level controller.
May 17	At 0519 the reactor mode switch was placed in the startup mode. At 0725, the reactor was critical. At 1250, the unit was on the line at 60 MWe. At 1600, the station load had been increased to 192 MWe.
May 18	Station load at 455 MWe - increasing at the pre-conditioning rate.
May 19	Station load holding at 467 MWe. At 2125, started to reduce load for planned outage.
May 20	At 0007, the unti was removed from service.
May 20-25	Unit shutdown for maintenance to #115 Feedwater Heater, #14 Reactor Recirculation Pump Seal, and #13A Feedwater Flow Control Valve.
May 25	At 1455, the reactor mode switch was placed in the Startup mode. Returning unit to service.

May 26	At 0505, the unit was on the line at 60 MWe. At 0800, station load was 225 MWe. At 1600, station load was 395 MWe.
May 26-28	Holding load at approximately 370 MWe for economy reasons.
May 28	Raising load at pre-conditioning rate - 416 MWe.
May 29	Station load 444 MWe.
May 30	Station load 475 MWe.
May 31	Station load 555 MWe.

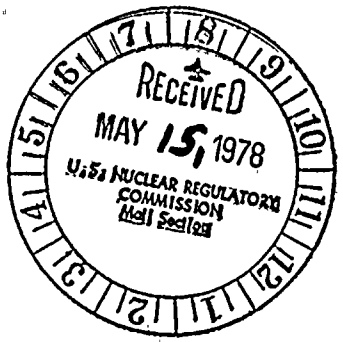
FILE

NIAGARA MOHAWK

NMP-0156

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

May 9, 1978



Director
Office of Management Information
and Program Control
United States Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Docket No. 50-220
DPR-63

Gentlemen:

Submitted herewith is the Report of Operating Statistics and Shutdown Experience for April 1978 for the Nine Mile Point Nuclear Station Unit #1. Also included is a narrative report of Operating Experience for the month.

Very truly yours,

T.E. Lempges
General Superintendent
Nuclear Generation
for R.R. Schneider
Vice President -
Electric Production

Enclosures

mtm

xc: Director, Office of I&E (10 copies)
NRC Region I Office (1 copy)

A003/S *
1/1

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH APRIL

DOCKET NO. 50-220
UNIT NAME Nine Mile Point #1
DATE 5/9/78
COMPLETED BY T.J. Perkins
TELEPHONE 315-343-2110 Ext 1312

No.	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
	4-1	S	48	H	1				Economy
	4-3	S	96	H	1				Optimization of fuel exposure distribution
	4-8	S	48	H	1				Condensate Demin Change & Rod Pull
	4-10	S	456	H	1				Optimization of fuel exposure distribution
	4-29	S	7	H	1				Condensate Demin Change & Rod Pull

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 Scram.
3-Automatic Scram.
4-Other (Explain)

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

5
Exhibit I - Same Source

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-220
DATE 5/9/78
COMPLETED BY T. J. Perkins
TELEPHONE (315) 343-2110 ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 04/01/78 04/30-78
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 620
6. Maximum Dependable Capacity (Gross MWe): 630
7. Maximum Dependable Capacity (Net MWe): 610
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	719	2,879	74,471
12. Number Of Hours Reactor Was Critical	719	2,830.1	53,899.0
13. Reactor Reserve Shutdown Hours	-0-	-0-	1,204.0
14. Hours Generator On-Line	719	2,806.3	51,496.5
15. Unit Reserve Shutdown Hours	-0-	-0-	20.2
16. Gross Thermal Energy Generated (MWH)	1,236,477	4,881,899	83,245,908
17. Gross Electrical Energy Generated (MWH)	419,348	1,659,389	27,441,101
18. Net Electrical Energy Generated (MWH)	405,500	1,603,948	26,580,871
19. Unit Service Factor	100	97.5	69.2
20. Unit Availability Factor	100	97.5	69.2
21. Unit Capacity Factor (Using MDC Net)	92.5	91.3	58.5
22. Unit Capacity Factor (Using DER Net)	90.9	89.9	57.6
23. Unit Forced Outage Rate	-0-	2.5	10.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
May 19, 1978 Snubber Inspection

25. If Shut Down At End Of Report Period, Estimated Date of Startup:
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT Nine Mile #1
DATE 5/9/78
COMPLETED BY T. J. Perkins
TELEPHONE (315) 343-2110 ext. 1312

MONTH APRIL

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	315	17	584
2	322	18	592
3	493	19	604
4	573	20	605
5	589	21	605
6	585	22	603
7	600	23	602
8	494	24	604
9	556	25	606
10	584	26	605
11	584	27	604
12	587	28	603
13	586	29	532
14	585	30	566
15	585	31	
16	586		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE
APRIL 1978

The station operated at 100% availability and 92.5% capacity factor during the month of April. The daily operating history follows:

April 1-2	Station load reduced to 330 MWe. Economy reasons - excess hydro generation available.
April 3-5	Increased load to 560 MWe and held at this point until 0625 on 4 April to remain within pre-conditioned envelope. Reached 590 MWe and started pre-conditioning load increases reaching 610 MWe on the 5th April.
April 6-8	Maintained 96.6% output until 0100 8 April when station was reduced to 500 MWe to change a condensate demineralizer and to adjust control rod pattern to obtain a greater peak in bottom of the core.
April 9-10	Restored unit to 550 MWe and commenced pre-conditioning power increases.
April 11-18	Maintained load at approximately 600 MWe.
April 19-29	Increased station output to 620 MWe and maintained at that load until 0010 29 April when reduction to 515 MWe occurred to change out a condensate demineralizer resin bed.
April 30	Load returned to 600 MWe.