

OPERATING DATA REPORT

DOCKET NO. 50-220
 DATE 1/11/80
 COMPLETED BY T. J. Perkins
 TELEPHONE 315-343-2110
 Ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 1/1/80 - 1/31/80
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	<u>744</u>	<u>744</u>	<u>89,856</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>744</u>	<u>6,624</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,204.2</u>
14. Hours Generator On-Line	<u>744</u>	<u>744</u>	<u>6,530.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>20.4</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,352,609</u>	<u>1,352,609</u>	<u>103,377,210</u>
17. Gross Electrical Energy Generated (MWH)	<u>450,983</u>	<u>450,983</u>	<u>33,960,493</u>
18. Net Electrical Energy Generated (MWH)	<u>436,353</u>	<u>436,353</u>	<u>32,886,118</u>
19. Unit Service Factor	<u>100</u>	<u>100</u>	<u>70.7</u>
20. Unit Availability Factor	<u>100</u>	<u>100</u>	<u>70.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.1</u>	<u>96.1</u>	<u>59.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.6</u>	<u>94.6</u>	<u>59.0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>9.3</u>

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	_____	_____



UNIT SHUTDOWNS AND POWER REDUCTIONS

INSTRUCTIONS

This report should describe all plant shutdowns during the report period. In addition, it should be the source of explanation of significant dips in average power levels. Each significant reduction in power level (greater than 20% reduction in average daily power level for the preceding 24 hours) should be noted, even though the unit may not have been shut down completely¹. For such reductions in power level, the duration should be listed as zero, the method of reduction should be listed as 4 (Other), and the Cause and Corrective Action to Prevent Recurrence column should explain. The Cause and Corrective Action to Prevent Recurrence column should be used to provide any needed explanation to fully describe the circumstances of the outage or power reduction.

NUMBER. This column should indicate the sequential number assigned to each shutdown or significant reduction in power for that calendar year. When a shutdown or significant power reduction begins in one report period and ends in another, an entry should be made for both report periods to be sure all shutdowns or significant power reductions are reported. Until a unit has achieved its first power generation, no number should be assigned to each entry.

DATE. This column should indicate the date of the start of each shutdown or significant power reduction. Report as year, month, and day. August 14, 1977 would be reported as 770814. When a shutdown or significant power reduction begins in one report period and ends in another, an entry should be made for both report periods to be sure all shutdowns or significant power reductions are reported.

TYPE. Use "F" or "S" to indicate either "Forced" or "Scheduled," respectively, for each shutdown or significant power reduction. Forced shutdowns include those required to be initiated by no later than the weekend following discovery of an off-normal condition. It is recognized that some judgment is required in categorizing shutdowns in this way. In general, a forced shutdown is one that would not have been completed in the absence of the condition for which corrective action was taken.

DURATION. Self-explanatory. When a shutdown extends beyond the end of a report period, count only the time to the end of the report period and pick up the ensuing down time in the following report periods. Report duration of outages rounded to the nearest tenth of an hour to facilitate summation. The sum of the total outage hours plus the hours the generator was on line should equal the gross hours in the reporting period.

REASON. Categorize by letter designation in accordance with the table appearing on the report form. If category H must be used, supply brief comments.

METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER. Categorize by number designation

¹Note that this differs from the Edison Electric Institute (EEI) definitions of "Forced Partial Outage" and "Scheduled Partial Outage." For these terms, EEI uses a change of 30 MW as the break point. For larger power reactors, 30 MW is too small a change to warrant explanation.

in accordance with the table appearing on the report form. If category 4 must be used, supply brief comments.

LICENSEE EVENT REPORT #. Reference the applicable reportable occurrence pertaining to the outage or power reduction. Enter the first four parts (event year, sequential report number, occurrence code and report type) of the five part designation as described in Item 17 of Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161). This information may not be immediately evident for all such shutdowns, of course, since further investigation may be required to ascertain whether or not a reportable occurrence was involved.) If the outage or power reduction will not result in a reportable occurrence, the positive indication of this lack of correlation should be noted as not applicable (N/A).

SYSTEM CODE. The system in which the outage or power reduction originated should be noted by the two digit code of Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161).

Systems that do not fit any existing code should be designated XX. The code ZZ should be used for those events where a system is not applicable.

COMPONENT CODE. Select the most appropriate component from Exhibit I - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161), using the following criteria:

- A. If a component failed, use the component directly involved.
- B. If not a component failure, use the related component: e.g., wrong valve operated through error; list valve as component.
- C. If a chain of failures occurs, the first component to malfunction should be listed. The sequence of events, including the other components which fail, should be described under the Cause and Corrective Action to Prevent Recurrence column.

Components that do not fit any existing code should be designated XXXXXX. The code ZZZZZZ should be used for events where a component designation is not applicable.

CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE. Use the column in a narrative fashion to amplify or explain the circumstances of the shutdown or power reduction. The column should include the specific cause for each shutdown or significant power reduction and the immediate and contemplated long term corrective action taken, if appropriate. This column should also be used for a description of the major safety-related corrective maintenance performed during the outage or power reduction including an identification of the critical path activity and a report of any single release of radioactivity or single radiation exposure specifically associated with the outage which accounts for more than 10 percent of the allowable annual values.

For long textual reports continue narrative on separate paper and reference the shutdown or power reduction for this narrative.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-220
 UNIT NAME Nine Mile Point Unit 1
 DATE 2/11/80
 COMPLETED BY T. J. Perkins
 TELEPHONE 315-343-2110
 Ext. 1312

REPORT MONTH January

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
	1/7/80	S	2.5	H	1				To pull shapping rods
	1/12/80	S	5.3	H	1				Rod Swap
	1/24/80	F	2.3	H	1				Intake Tunnel Ice -- Reduced Load to reverse flow
	1/25/80	S	1.0	H	1				Reduced load to change intake tunnel to normal flow path
	1/30/80	F	2.0	H	1				Reduced Load - intake tunnel iced up
	1/31/80	S	1.0	H	1				Changed intake tunnel flow to normal path

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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January

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 UNIT NAME Nine Mile Point Unit 1
 DATE 2/11/80
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 TELEPHONE 315-343-2110
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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
	1/7/80	S	2.5	H	1				To pull shapping rods
	1/12/80	S	5.3	H	1				Rod Swap
	1/24/80	F	2.3	H	1				Intake Tunnel Ice - Reduced Load to reverse flow
	1/25/80	S	1.0	H	1				Reduced load to change intake tunnel to normal flow path
	1/30/80	F	2.0	H	1				Reduced Load - intake tunnel iced up
	1/31/80	S	1.0	H	1				Changed intake tunnel flow to normal path

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 Reason:
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(9/77)



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220

UNIT Nine Mile Pt. #1

DATE 2/11/80

COMPLETED BY T.J. Perkins

TELEPHONE 315-343-2110
Ext. 1312

MONTH January 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	599	17	600
2	592	18	598
3	589	19	599
4	601	20	601
5	600	21	601
6	603	22	599
7	601	23	600
8	602	24	585
9	602	25	576
10	601	26	598
11	604	27	599
12	420	28	591
13	528	29	579
14	586	30	561
15	596	31	569
16	600		

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.

Handwritten marks: a curved line with a small 'x' above it and a vertical tick mark below it.

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

JANUARY 1980

The station operated with a monthly availability factor of 100%, and a net design electrical capacity factor of 94.6%. During the entire month #15 Reactor Recirculation Pump was out of service and isolated due to mechanical problems. Capacity factor loss was due to the following:

1. Two evolutions of condenser circulating water reverse flow operation due to intake tunnel icing, each requiring load reduction for reverse flow and return-to-normal flow manipulations.
2. Control rod sequence exchange.
3. Various control rod pattern changes due to core physics and LHGR considerations.

MAINTENANCE ON CLASS I EQUIPMENT

JANUARY 1980

1. Repack #13 Condensate Pump.
2. Miscellaneous repairs due to NRC I.E. Bulleting 79-14 piping inspection.



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