

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

SEPTEMBER 1980

The station operated with a monthly availability factor of 94.1% and a net design electrical capacity factor of 84.0%. During the entire month #15 Reactor Recirculation Pump was out of service and isolated due to mechanical problems.

Availability/capacity factor losses were due to the following:

On September 19 the unit was shutdown to investigate the cause for increased unidentified drywell leakage. Inspection revealed a Shutdown Cooling System isolation valve had experienced packing failure. The valve was repacked and other minor maintenance items were accomplished during the shutdown period. The unit was returned to service on September 21. In addition, during this month the reactor entered into the 98% core thermal power end of cycle derate to accommodate for increased scram reactivity insertion time considerations.

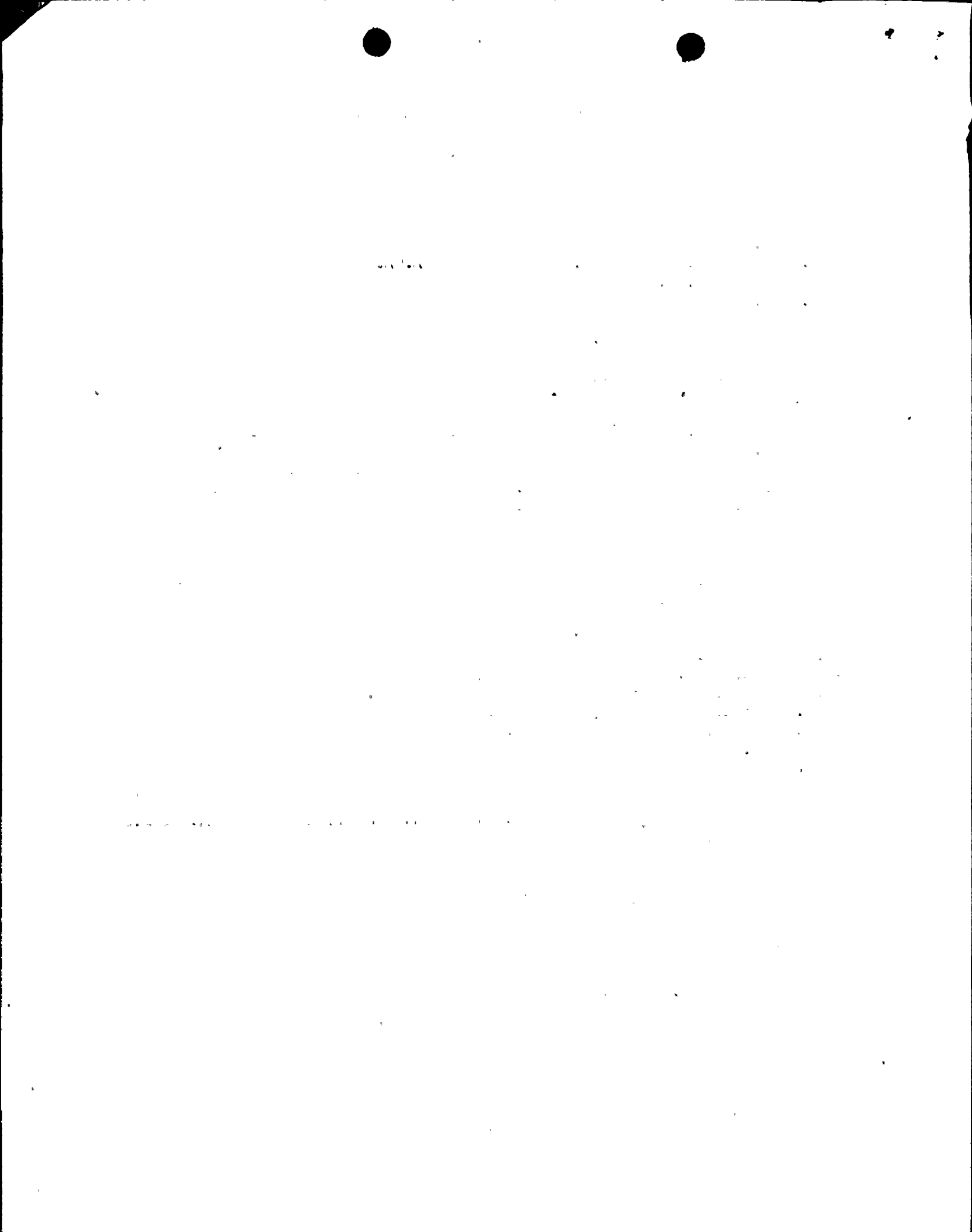
CLASS I WORK - MAINTENANCE - SEPTEMBER 1980

- #5100 - Replaced packing-back up ring-and 2 seals on #111 N<sub>2</sub> needle valve to hydro control unit #02-27
- #5188 - replaced packing-"O" rings and seals on CRD hydro unit #10-15
- #5192 - replaced packing-"O" rings and seals on CRD hydro unit #18-39
- #5263 - replaced diaphragm in E.C. drain line valve 39-14
- #5264 - placed clean filters in #11 CRD system
- #5289 - replaced packing on shutdown cooling B.V. #38-13
- #5278 - replaced flange (end) gasket on #12 shutdown cooling ht. exch.
- M.O. 4013 - New piping for air receiver from new air comp.
- #5032 - Restraint 201.2-R21A-14
- #5035 - Restraint 201.2-H2F-14
- #5034 - Restraint 201.2-R103-14
- #5036 - Restraint 201.2-R63-A-14
- #5038 - Restraint 201.2-R354-14
- #5039 - Restraint 201.2-R72-14
- #5033 - Restraint 201.2-R124-14
- #5291 - repack 1" dr. valve on M.S. line
- #5303 - replaced heat exchanger on #12 CRD pump
- #5301 - repaired door lockes & piece of gasket

CLASS I WORK - INSTRUMENT & CONTROL - SEPTEMBER 1980

- #5063 - CRD 30-47-replaced rubber goods

8010150406



OPERATING DATA REPORT

DOCKET NO. 50-220  
 DATE 10/3/80  
 COMPLETED BY T.W. Roman  
 TELEPHONE (315)343-2110  
 ext. 1383

OPERATING STATUS

1. Unit Name: Nine Mile Point #1
2. Reporting Period: 9/01/80-9/30/80
3. Licensed Thermal Power (MWt): 1860
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): 598 (1813 Ctp)
10. Reasons For Restrictions, If Any: E.O.C. derate to 98% core thermal power for scram reactivity insertion time considerations

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>6,575.0</u>	<u>95,687.0</u>
12. Number Of Hours Reactor Was Critical	<u>693.0</u>	<u>6,027.7</u>	<u>71,380.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,204.2</u>
14. Hours Generator On-Line	<u>677.4</u>	<u>5,926.1</u>	<u>68,736.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>20.2</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,194,261.0</u>	<u>10,373,380.0</u>	<u>112,114,782.4</u>
17. Gross Electrical Energy Generated (MWH)	<u>387,558.0</u>	<u>3,436,899.0</u>	<u>36,946,409.0</u>
18. Net Electrical Energy Generated (MWH)	<u>374,755.0</u>	<u>3,325,662.0</u>	<u>35,775,427.0</u>
19. Unit Service Factor	<u>94.1</u>	<u>90.1</u>	<u>71.8</u>
20. Unit Availability Factor	<u>94.1</u>	<u>90.1</u>	<u>71.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>85.3</u>	<u>82.9</u>	<u>61.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>84.0</u>	<u>81.6</u>	<u>60.3</u>
23. Unit Forced Outage Rate	<u>5.9</u>	<u>6.4</u>	<u>9.1</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	_____	_____



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220

UNIT Nine Mile Pt. #1

DATE 10/3/80

COMPLETED BY T.W. Roman

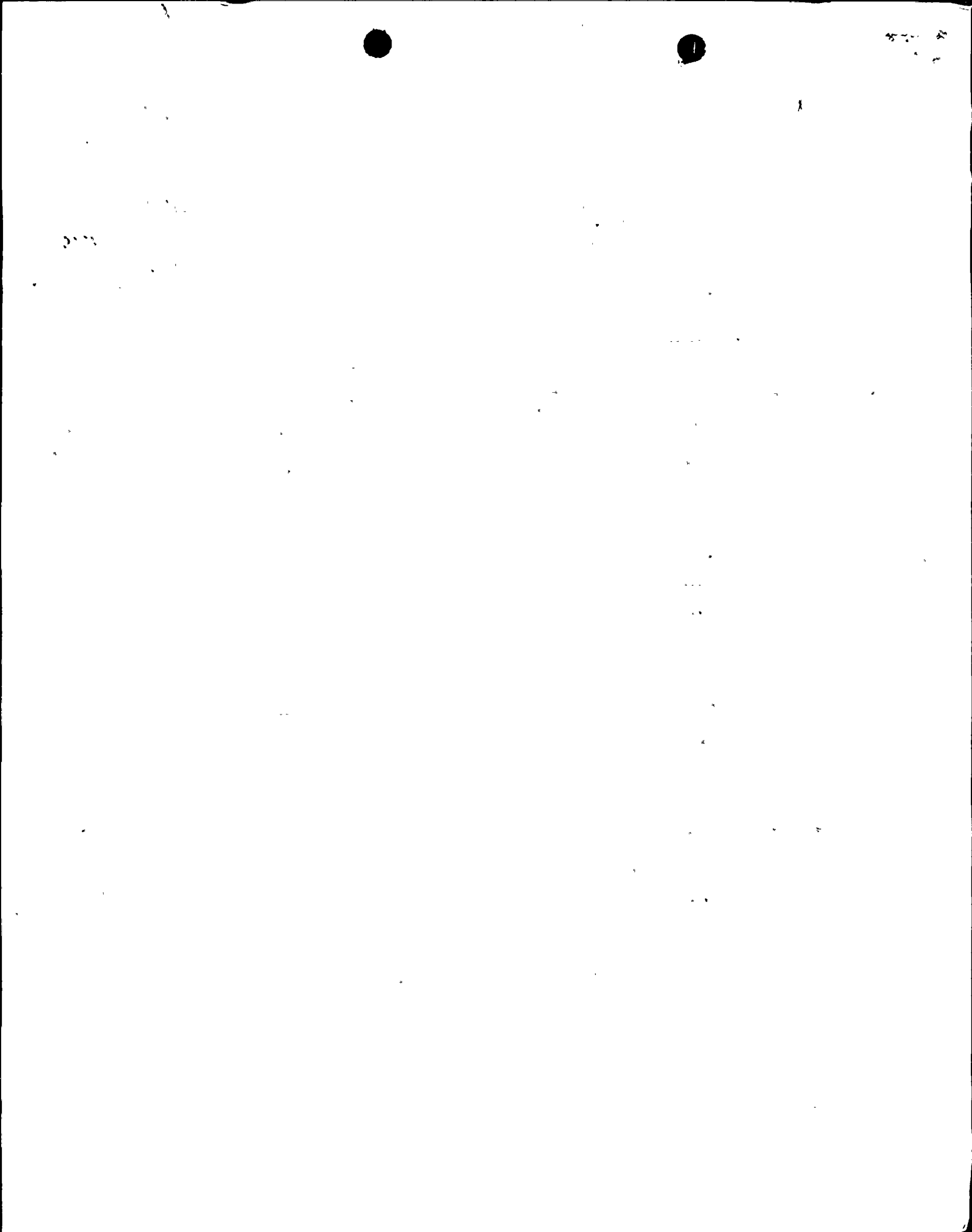
TELEPHONE (315)343-2110  
ext. 1383

MONTH September 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	572	17	571
2	567	18	573
3	567	19	521
4	569	20	0
5	572	21	49
6	571	22	401
7	571	23	450
8	568	24	566
9	569	25	575
10	568	26	581
11	572	27	582
12	568	28	579
13	484	29	580
14	553	30	576
15	569	31	
16	571		

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.



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1980

DOCKET NO. 50-220  
 UNIT NAME Nine Mile Pt. #1  
 DATE 10/3/80  
 COMPLETED BY T.W. Roman *T. W. Roman*  
 TELEPHONE (315) 343-2110  
 ext 1383

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-19	9/19/80	F	41.8	A	1				Shutdown for Dry Well High Leakage (Shutdown Cooling I.V. Packing Failure)

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source

