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 AUTH. NAME      AUTHOR AFFILIATION  
 COLEMAN, D.E.      Niagara Mohawk Power Corp.  
 DAHLBERG, K.A.      Niagara Mohawk Power Corp.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1991 for Nine Mile Point Unit  
 1 (w/911210) ltr.

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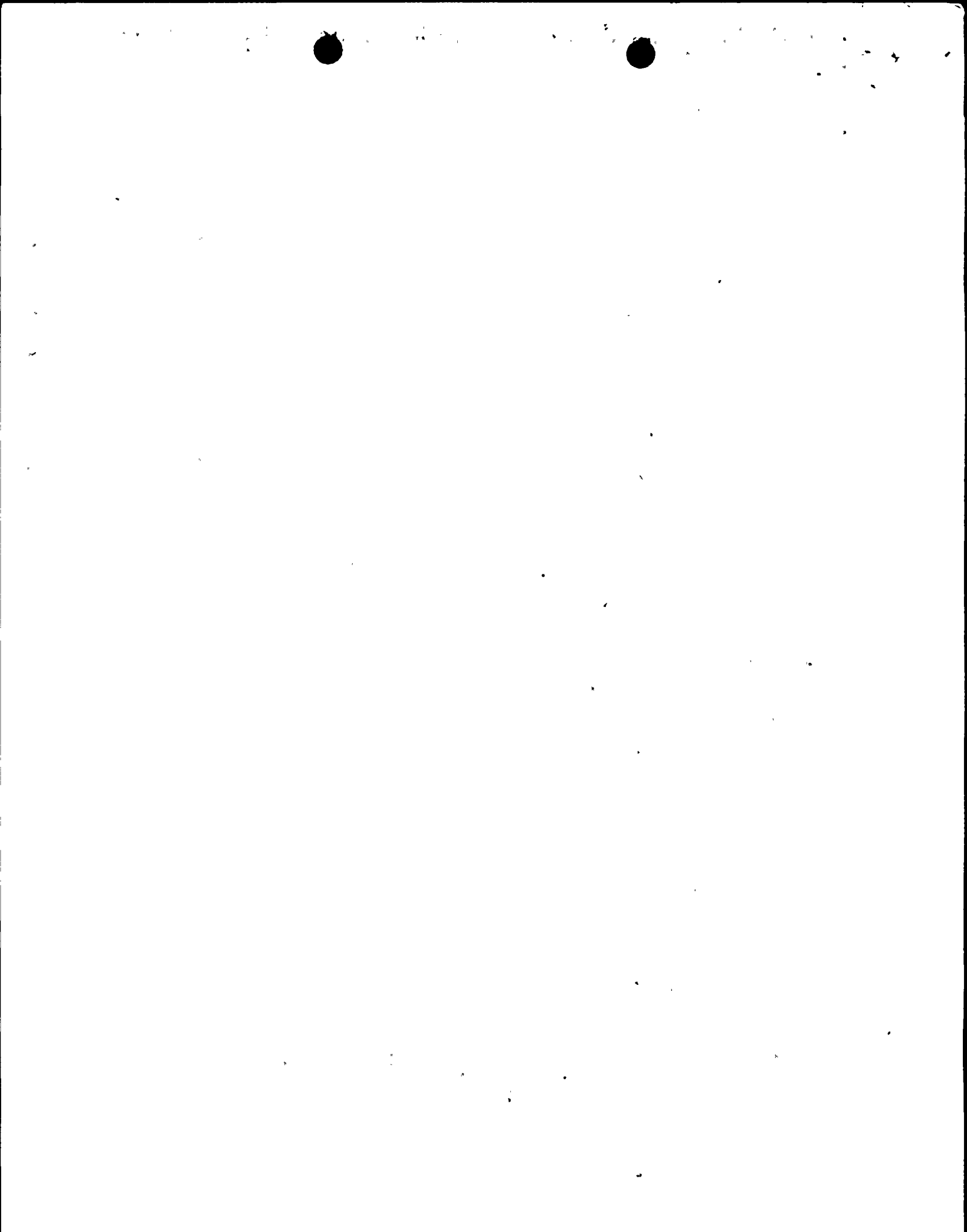
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NIAGARA MOHAWK POWER CORPORATION / NINE MILE POINT BOX 32 LYCOMING, N.Y. 13093 TELEPHONE (315) 349-4259

December 10, 1991  
NMP80677

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Subject: Operating Statistics and Shutdowns - November 1991  
Docket No. 50-220  
Nine Mile Point Nuclear Station - Unit #1

Dear Sir:

Submitted herewith is the Report of the Operating Statistics and Shutdowns for November 1991 for the Nine Mile Point Nuclear Station - Unit #1.

Also included is a narrative report of Operating Experience for November 1991.

Very truly yours,

Kim A. Dahlberg  
Plant Manager - NMP#1

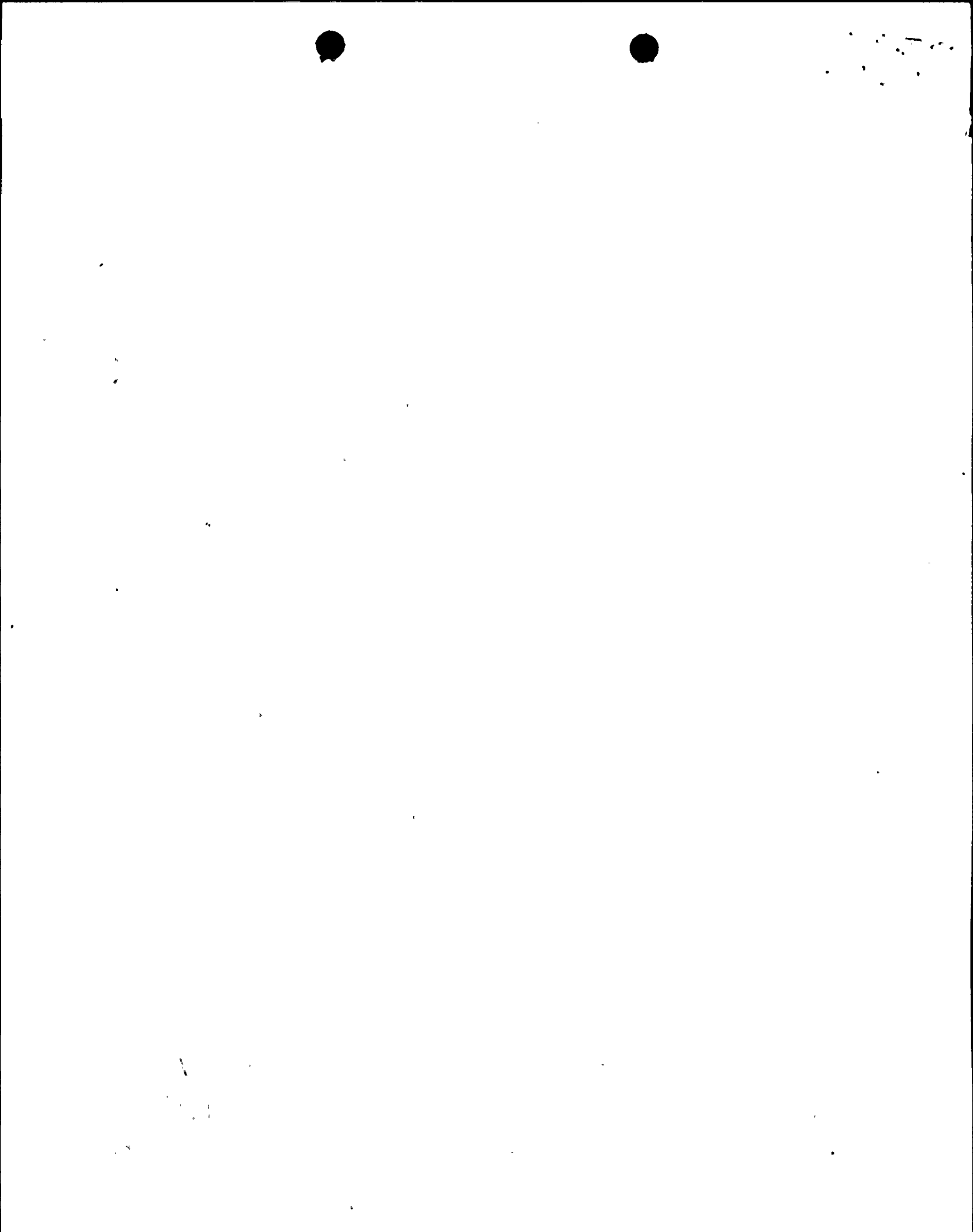
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Resident Inspector  
File

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OPERATING DATA REPORT

DOCKET NO.: 50-220

DATE: 12/13/91

PREPARED BY: D. E. Coleman

TELEPHONE: (315) 349-2558

OPERATING STATUS

- 1. Unit Name: Nine Mile Point Unit #1
- 2. Reporting Period: 11/1/91 through 11/30/91
- 3. Licensed Thermal Power (MWt): 1850
- 4. Nameplate Rating (Gross MWe): 642
- 5. Design Electrical Rating (Net MWe): 625
- 6. Maximum Dependable Capacity (Gross MWe): 635
- 7. Maximum Dependable Capacity (Net MWe): 615
- 8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:

Notes
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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	8016.0	194,665.2
12. Number of Hours Reactor Was Critical	720	6,345.6	124,945.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	1,204.2
14. Hours Generator On-Line	720.	6,231.2	121,393.7
15. Unit Reserve Shutdown Hours	0.0	0.0	20.4
16. Gross Thermal Energy Generated (MWH)	1,235,793.0	10,764,905.0	203,307,583.0
17. Gross Electrical Energy Generated (MWH)	420,198	3,617,187.0	67,420,104.0
18. Net Electrical Energy Generated (MWH)	408,057	3,507,983.0	65,313,823.0
19. Unit Service Factor	100.0	77.7	62.4
20. Unit Availability Factor	100.0	77.7	62.4
21. Unit Capacity Factor (Using MDC Net)	92.2	71.2	55.0
22. Unit Capacity Factor (Using DER Net)	90.7	70.0	54.1
23. Unit Forced Outage Rate	0.0	8.2	25.1

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. Unit is Test Status (Prior to Commercial Operation):    Forecast                      Achieved

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

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## OPERATING DATA REPORT

DOCKET NO.: 50-220

DATE: 12/13/91

PREPARED BY: D. E. Coleman

TELEPHONE: (315) 349-2558

MONTH November 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	559	17	562
2	559	18	565
3	558	19	567
4	559	20	564
5	560	21	571
6	556	22	573
7	547	23	572
8	552	24	575
9	557	25	584
10	559	26	585
11	562	27	585
12	562	28	585
13	561	29	591
14	565	30	587
15	562	31	
16	561		

## 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.



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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-220

UNIT NAME: NMP#1

DATE: 12/13/91

REPORT MONTH - November 1991

PREPARED BY: D. E. Coleman

TELEPHONE: (315) 349-2558

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

1

F: Forced  
S: Scheduled

2

Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Exam  
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



10-10-10

NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR STATION UNIT #1  
NARRATIVE OF OPERATING EXPERIENCE

The Station operated during the month of November 1991 with a Unit Availability Factor of 100.0% and a Net Design Electrical Capacity Factor of 90.7%. There were no challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to several reasons. During the month CTP was limited (92%-96.5%) due to the failure of #135 FW Heater. For two days the efficiency of the unit was reduced due to elevated condenser inlet temp during zebra mussel treatment. Other reductions in capacity factor were due to weekly control rod exercising and a control rod pattern adjustment.

**CLASS I WORK - MECHANICAL MAINTENANCE - November 1991**

See attached printout.

**CLASS I WORK - INSTRUMENTS AND CONTROLS - November 1991**

See attached printout.

**CLASS I WORK - ELECTRICAL MAINTENANCE - November 1991**

See attached printout.



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NINE MILE POINT UNIT ONE  
 Mechanical Maintenance - COMPLETED SAFETY RELATED WRs FOR NOVEMBER

12-03-91

PAGE 1

WR Number	EPN Number	TITLE	Description	Corrective Action
W192476	72-62	DIESEL GENERATOR 102 COOLING WATER PUMP	DIESEL GENERATOR 102 COOLING WATER PUMP SHOWS DEGRDATION IN FLOW INSPECT AND REPAIR OR REPLACE AS NECESSARY DEFICIENCY TAG 26445	REPLACED 72-62 PUMP WITH SAME PUMP ONLY NEW
W188265	305-111	111 TEST VALVE ON ACCUMULATOR 26-03	111 TEST VALVE ON ACCUMULATOR 26-03 LEAKS AT PACKING DRUING N1-IPM-048-001	REPLACED LEAKING 111 VALVE ON HCU 26-03
W197214	305-111	HCU 46-19 FOOT VALVE	VALVE HANDLE BROKEN PLEASE REPLACE LOCATED REQACTOR BUILDING 237 HCU ISLE DEFICIENCY TAG 36953	REPLACED BROKEN HANDWHEEL
W197216	DOORS-D-198	REACTOR BUILDING TRACKBAY OUTER DOOR - PEELE DOOR D-198	THE REACTOR BUILDING TRACKBAY OUTER DOOR - RIGHT DOOR IS UNABLE TO LATCH - PLEASE REPAIR - LOCATED REACTOR BUILDING EXTENSION 261 ELEVATION	DISASSEMBLED AND REPLACED GEARS AND REALIGNED LOCK BARS - TESTED AND WORKS OK



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NINE MILE POINT UNIT ONE  
Instrument & Controls - COMPLETED SAFETY RELATED WRs FOR NOVEMBER

12-03-91

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WR Number	EPN Number	TITLE	Description	Corrective Action
W188740	51-71	NUMBER 11 FEEDWATER PUMP SUCTION PRESSURE SWITCH	WITH CONDENSATE PUMPS OFF THE LOW SUCTION PRESSURE ALARM DID NOT COME IN - PLEASE RECALIBRATE REPAIR - LOCATED TURBINE BUILDING 261	WORK PERFORMED UNDER WR 197287
W197289	70-232	REACTOR BUILDING CLOSED LOOP COOLING FLOW INDICATOR FOR H2 AND O2 SYSTEM NUMBER 11	DIRTY - PLEASE CLEAN - LOCATED TURBINE BUILDING 291	CLEANED SIGHT GLASS
W197288	70-237	REACTOR BUILDING CLOSED LOOP COOLING FLOW INDICATOR FOR H2 AND O2 SYSTEM NUMBER 12	DIRTY - PLEASE CLEAN - LOCATED TURBINE BUILDING 291	CLEANED SIGHT GLASS
W192727	94.2-NA	INSTRUMENT AIR WHITEY VALVE	WHITEY VALVE ON MANIFOLD FOR 33-40 HAS HANDLE MISSING - LOCATED REACTOR BUILDING 281 NORTHEAST	INSTALLED VALVE HANDLE ON INSTRUMENT AIR WHITEY VALVE
W197285	201.2-451	SYSTEM 11 H2 O2 LEVEL RECORDER	SYSTEM 11 H2 O2 LEVEL RECORDER ON L PANEL WILL NOT ADVANCE PAPER - PLEASE MAKE ANY REPAIRS NECESSARY	REPLACED 26 TOOTH STEPPER MOTOR GEAR
W197256	209-23-1 209-05	DIESEL GENERATOR 103 ROOF FAN NUMBER 3 THERMOSTAT	THERMOSTAT SETPOINT IS 80 DEGREES FAHRENHEIT - FAN WAS FOUND OPERATING WITH ROOM TEMPERATURE 70 DEGREES FAHRENHEIT - PLEASE CALIBRATE AS REQUIRED - DEFICIENCY TAG 36959 AT SWITCH IN DIESEL GENERATOR 103 ROOM	SWITCH IN CALIBRATION - INDICATOR IS NOT ABLE TO BE CALIBRATED



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NINE MILE POINT UNIT ONE  
Instrument & Controls - COMPLETED SAFETY RELATED WRs FOR NOVEMBER

12-03-91

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WR Number	EPN Number	TITLE	Description	Corrective Action
W192680	210-43B	CONTROL ROOM VENTILATION MONITOR NUMBER 12 RIC	THE LED DISPLAY IS MISSING LIGHTS - THE TENS DIGIT OF THE EXPONENT IS MISSING - PLEASE REPAIR OR REPLACE AS REQUIRED	REMOVED AND REPLACED DISPLAY BOARD
W188248	NEU-17APRM	APRM 17 RECORDER IN CONTROL ROOM	RECORDER WAS READING 5 PERCENT HIGH ON HIGH END ANND 7 PERCENT HIGH ON LOW END OF SCALE WHILE PERFORMING PROCEDURE NUMBER N1-ISP-092-337 DEFICIENCY TAG 32563 TROUBLESHOOT	CALIBRATED RECORDER PER N1-ISP-092-327
W188763	NEU-R102B2	APRM 11 ISO AMP AND COMPUTER POINT	APRM NOT READING AS EXPECTED ON THE COMPUTER - COMPUTER READINGS AND PANEL READINGS DO NOT MATCH - TROUBLESHOOT - DEFICIENCY TAG 32501 PLACED ON ISO AMP	NONE REQUIRED - COMPARED COMPUTER POINT READING WITH THAT OF CONTROL ROOM INDICATOR - COMPUTER READ APPROXIMATELY 89 PERCENT WHICH IS CORRECT FOR INPUT - APPROXIMATELY 57 MV - INDICATOR READ APPROXIMATELY 90 TO 91 PERCENT
W199431	NEU-RJ19D	LPRM APRM TRIP AUXILIARY DRAWER FOR APRM 17	APRM 17 TRIP AUXILIARY DRAWER IN CONTROL ROOM G PANEL CAUSED A HALF SCRAM ON APRM 17 DOWNSCALE INOPERABLE WHEN DRAWER WAS PULLED OUT - SUSPECT LOOSE AMPHENOL CONNECTOR - DEFICIENCY TAG 26818 ON DRAWER - TROUBLESHOOT	PIN 25 IN 21-J2 BROKE WHEN AN ATTEMPT WAS MADE TO TRY AND STRAIGHTEN IT - THIS WR WAS CHANGED TO A 1A PRIORITY TO FIX THE CONNECTOR



10-10-10

NINE MILE POINT UNIT ONE  
Electrical Maintenance - COMPLETED SAFETY RELATED WRs FOR NOVEMBER

12-03-91

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WR Number	EPN Number	TITLE	Description	Corrective Action
W197457	57-11	CONDENSATE TRANSFER PUMP NUMBER 12 - MOTOR	EXCESSIVE VIBRATION RESULTS WERE FOUND ON WR 195275 WITH THE MOTOR UNCOUPLED - PLEASE REPAIR - TURBINE BUILDING 261 NEAR CONDENSATE STORAGE TANKS	REPLACED BEARINGS IN MOTOR - SYMBOL NUMBER 95-06-032 AND 95-06-037 - CLEANED MOTOR AND LUBRICATED BEARINGS WITH MOBILE FLEX 47 - SYMBOL NUMBER 95-37-352
W197112	79-79.1-01 7 9.1-07	DIESEL GENERATOR OIL PUMPS	UNABLE TO OBTAIN BRUSH LENGTH OF CIRCULATION OIL PUMPS AND TURBO OIL PUMP - REMOVE PLEXY COVERS AND CLEAN OR REPLACE COVERS - REPLACE BRUSHES AS NECESSARY	REPLACED 2 BRUSHES IN CIRCULATION OIL PUMP - CLEANED PLEXY COVERS ON CIRCULATION AND TURBO OIL PUMPS - TURBO DID NOT NEED TO BE REBRUSHED
W188735	210.1-37	11 CONTROL ROOM CHILLED WATER PUMP	11 CHILLED WATER PUMP VERY NOISY WHEN RUNNING - PLEASE REPAIR - DEFICIENCY TAG ON N PANEL	REPLACED BEARINGS IN MOTOR - SYMBOL NUMBER 93-34-855
W196828	PWRB-17A	POWERBOARD 17A	POWERBOARD 17A TRANSFORMER HAS LOW GAS PRESSURE - PLEASE ADD GAS - LOCATED REACTOR BUILDING ELEVATION 281	FILLED POWERBOARD WITH GAS PER S-MI-5.3-001



10/10/10