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FIRLIT,J.F. Niagara Mohawk Power Corp.
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SUBJECT: Monthly operating rept for Sept 1990 ~~for~~ NMP-1.Narrative rept of operating experience encl.W/901011 ltr.

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NIAGARA MOHAWK

NINE MILE POINT NUCLEAR STATION / P.O. BOX 32 LYCOMING, NEW YORK 13093 / TELEPHONE (315) 343-2110

October 11, 1990
NMP69248

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

Subject: Operating Statistics and Shutdowns - September 1990
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 September 1990 for the Nine Mile Point Nuclear Station - Unit #1.

Also included is a narrative report of Operating Experience for September 1990.

Very truly yours,

Joseph F. Firlit
Vice President
Nuclear Generation

JFF/KAD/djt
Enclosures

xc: Regional Administrator, Region I
Resident Inspector
File

Cert No P306177546
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1/1

OPERATING DATA REPORT

DOCKET NO.: 50-220
DATE: 10/10/90
COMPLETED BY: K. A. Dahlberg
TELEPHONE: (315) 349-2443

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 9/1/90 through 9-30-90
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 645
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

9. Power Level To Which Restricted, If Any (Net MWe): **25% power through 9-13-90 and 75% power for the remainder of the month.**
10. Reasons For Restrictions, If Any: **Power Ascension Testing, Phase 1 completed (limited to 25%) and operating within Phase 2 (limited to 75%).**

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	720.0	6,551.0	184,440.2
12. Number of Hours Reactor Was Critical	720.0	1,303.2	116,537.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	1,204.2
14. Hours Generator On-Line	663.5	1,006.4	113,123.6
15. Unit Reserve Shutdown Hours	0.0	0.0	20.4
16. Gross Thermal Energy Generated (MWH)	541,882.0	733,615.0	189,206,747.0
17. Gross Electrical Energy Generated (MWH)	156,384.0	193,302.0	62,666,372.0
18. Net Electrical Energy Generated (MWH)	147,149.0	133,574.0	60,603,172.0
19. Unit Service Factor	92.2	15.4	61.3
20. Unit Availability Factor	92.2	15.4	61.3
21. Unit Capacity Factor (Using MDC Net)	33.2	3.4	53.9
22. Unit Capacity Factor (Using DER Net)	32.7	3.3	53.0
23. Unit Forced Outage Rate	0.0	84.4	26.1

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	_____	_____

OPERATING DATA REPORT

DOCKET NO.: 50-220
DATE: 10/10/90
COMPLETED BY: K. A. Dahlberg
TELEPHONE: (315) 349-2443

MONTH **September 1990**

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	97	17	372
2	101	18	416
3	103	19	382
4	103	20	427
5	101	21	440
6	98	22	441
7	97	23	446
8	107	24	336
9	110	25	220
10	109	26	105
11	101	27	0
12	109	28	22
13	104	29	214
14	174	30	257
15	244	31	
16	349		

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

DOCKET NO: 50-220
UNIT NAME: NMP#1
DATE: 10/10/90
COMPLETED BY: K. A. Dahlberg
TELEPHONE: (315) 349-2443

REPORT MONTH - September 1990

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Rx[3]	LER#	System Code[4]	Component Code[5]	Cause and Corrective Action to Prevent Recurrence
									Note: The unit was restricted to 25% power through 9/13/90 and 75% power for the remainder of the month. Restrictions were due to Power Ascension Testing.
	90026	S	56.5	B	4				The generator was taken off line and the turbine was manually tripped to test the turbine bypass valves. The reactor remained critical. Also, while off line the emergency condenser was tested for heat removal capability.

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

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

The Unit operated during the month of September 1990 with a Unit Availability Factor of 92.2% and a Net Design Electrical Capacity Factor of 32.7%. There were no challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to power ascension testing. The Unit was restricted to 25% power through 9/13/90 and 75% power for the remainder of the month. The generator was taken off line to perform two tests. The turbine was manually tripped to test the turbine bypass valves and the emergency condenser was tested for heat removal capability. The Unit was off line for 56.5 hours, but the reactor was critical for the entire month.

CLASS I WORK - MECHANICAL MAINTENANCE - September 1990

See attached printout.

CLASS I WORK - INSTRUMENTS AND CONTROLS - September 1990

See attached printout.

CLASS I WORK - ELECTRICAL MAINTENANCE - September 1990

See attached printout.

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

10-10-90
PAGE 1

WR Number	EPN Number	TITLE	Description	Corrective Action
W177873	05-16	VALVE 05-16 VENT LINE BETWEEN 05-01 AND 05-11 EMER COND	PLEASE REPAIR STEAM LEAK COMING FROM SOCKET WELD ON VALVE 05-16 WHEN WELD IS REPAIRED PLEASE INSTALL THE INSULATION WHICH WAS REMOVED ON WR 186097 RX BLDG 340 MIDDLE OF EMERG COND	REPAIRED LEAK AND INSTALLED INSULATION THAT WAS REMOVED ON WR 186097
W186097	05-PIPE	EMERGENCY CONDENSER STEAM PIPING BETWEEN 05-01 AND 05-11	LEAKAGE COMING FROM LAGGING ON VENT LINE FROM 11 EMERGENCY CONDENSER LOOP BETWEEN 05-01 AND 05-11 REACTOR BUILDING 340 MIDDLE OF EMERGENCY CONDENSERS TROUBLESHOOT	REMOVE INSULATION AND FOUND PIN HOLE LEAK ON WELD COMING FROM VALVE 05-16 INSULATION WILL BE INSTALLED ON WR 177873
W179846	60-05	EMERGENCY CONDENSER MAKEUP TANK 11 SITE GLASS	THE BOTTOM SITE GLASS OF THREE IS LEAKING AT THE TOP LOCATED IN TURBINE BLDG EL 369	REMOVED SIGHT GLASS - REMOVED RUBBER GASKETS - INSTALLED NEW RUBBER GASKETS AND SIGHT GLASS - TIGHTENED FASTENERS SNUG TIGHT
W109306	69	SPARE VALVE	MISC VENT DRAIN AND BLOCK VALVE 95-94-119 C-407 -ITEM IS MISSING SWING BOLT REPLACE ALL BOLTS WITH A CERTIFIED SWING BOLT FROM STORES	REPLACED SWING BOLTS ON 5 TIP VALVES WHICH ARE IN STORES
W186244	94-02	12 INSTRUMENT AIR COMPRESSOR	12 INSTRUMENT AIR COMPRESSOR IS MAKING AN UNUSUAL NOISE TB 261 NORTH OF COLUMN E WEST TO ROW 2	REMOVED ALL VALVES CHECKED OPERATION INSPECTED EXTERNALS AND CYLINDER INTERNALS AND REINSTALLED VALVES WITH NEW GASKETS
W185986	94-IBA-712	I.A. COMPRESSOR 11 AFTER COOLER TRAP BYPASS B.V.	AFTERCOOLER TRAP BYPASS VALVE IBA-712 WILL NOT CLOSE TO STOP FLOW. BLOWS BY. LOC TB 261 N.W. IN BACK OF I.A.C. 11	REMOVED AND CLEANED VALVE - VALVE IS BAD - SEAT CHEWED UP NEW WR 186270 WRITTEN TO REPAIR REPLACE - NO PARTS AVAILABLE AT THIS TIME
W186185	305-42-27	HCU 42-27	HCU 42-27 HAS WATER LEAKING INTO ITS FOOT VALVE REPAIR AS NEEDED	REPLACE ACCUMULATOR NEW ACCUMULATOR S/N 0248

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

WR Number	EPN Number	TITLE	Description	Corrective Action
W187195	01-03 01-04	TEST CIRCUITRY FOR 01-03 01-04	WHILE PERFORMING N1-ST-Q26 01-03 01-04 MSIV'S WOULD NOT TEST VALVES WOULD CYCLE WHEN DONE MANUALLY TROUBLESHOOT TEST CIRCUITS	ADJUSTED METERING VALVE FOR TEST TIME OF 01-03=1709 SEC 01-04=17.11 SEC
W185964	01-RN05C	112 MAIN STEAM LINE RAD MONITOR	112 MAIN STEAM LINE RAD MONITOR READING SEAMS TO BE SLOWLY DRIFTING LOWER AND AWAY FROM THE READING INDICATED ON THE OTHER THREE RAD MONITORS LOCATED IN CONTROL ROOM TROUBLESHOOT	REPLACED DETECTOR WITH NEW DETECTOR STOCK 95-17-700 SERIAL TAHLA5-002
W187117	02-13A BC D	1ST STAGE BOWL PRESSURE SWITCHES	1ST STAGE BOWL PRESSURE LOW ANNUNCIATOR F3 4-6 IN ALARM WITH 1ST STAGE BOWL PRESSURE AS 343 PSI PER COMP AT B456 TROUBLESHOOT	RECALIBRATED SWITCHES 02-13A B C D CALIBRATED UNDER TROUBLESHOOTING GUIDE
W187179	02-13C	CH 11 RPS CIRCUIT TURBINE TRIP	PER C19859C TROUBLESHOOT FIRST STAGE PRESSURE SWITCH 02-13 AND CHECK THE TEST LEAD CONNECTED TO 61M0 AND 61M1 AND 61M2 FOR ABNORMAL THIGH VOLTAGE READINGS ALSO REFERENCE ATTACHED TWO PAGES	PROBLEM REPORT AND OR MOD REQUEST INITIATED BY V ROY SYSTEM ENGINEER
W186450	36-LT-36-35	GEMAC WIDE RANGE WATER LEVEL TRANSMITTER CHANNEL 12	GEMAC LEVEL TRANSMITTER 36-35 IS READING LOW FEEDS SPDS INPUT COMPUTER POINT J347	CALIBRATED 36-35 AND FOUND TRANSMITTER WAS READING NORMAL
W187143	44.2-35	SDV LEVEL LE 44.2-35	LE44.2-35 - PLEASE CHECK WHY HALF SCRAM 11 RPS CYCLES IN AND OUT - C-18016-C SHEET 2 - REACTOR BUILDING 237 - REPLACE SWITCH CIRCUIT BOARD	REPLACED CIRCUIT BOARD
W186084	60-18	12 ECHU TANK TO 121 AND 122 EMERGENCY CONDENSERS MAKE UP LCV	VALVE CONSTANTLY SHOWS PARTIALLY OPEN WITH FLOW ON K PANEL IN THE CONTROL ROOM WHILE TANK LEVEL DOES NOT CHANGE 60-18 IS ON REACTOR BUILDING 340 BETWEEN EC SHELLS PLEASE TROUBLESHOOT AND EVALUATE WHETHER OR NOT THERE IS FLOW	SET VALVE 60-35 TO 1/4 TURN OPEN MAKEUP VALVE TO EC 12 SIDE CLOSING LEVEL INDICATION RETURN TO NORMAL
W185924	68-10	REACTOR BLDG TO DRYWELL VACUUM RELIEF VALVE	VALVE WILL NOT CLOSE REPLACE OR REPAIR FLUID COMPONENTS PENO TROL VALVE BETWEEN SOV AND VALVE ACTUATOR EL 237 M11	REPLACED QUICK EXHAUST VALVE 68-20 PERFORMED PARTIAL N1-ISP-068-0002 AS PMT
W185971	80-RV30A/B	CORE SPRAY D/P GAUGES	CORE SPRAY D/P GAUGES RV 30A RV 30B NEED ZEROING NORTH INST ROOM 237 RX	DIFFERENTIAL PRESSURE INDICATING SWITCHES CALIBRATED DURING SCHEDULED PERFORMANCE OF QUARTERLY PROCEDURE N1-ISP-Q-040-001
W185927	092-RI05B	APRM IRM 13 RECORDER	APRM 13 RECORDER FAILED TO RESPOND DURING WEEKLY CHECK DRIVE CABLE HAS WORN THROUGH PLEASE REPAIR E CONSOL CONTROL ROOM	REPLACED DRIVE CABLE AND CALIBRATED ON BENCH USING N1-IDP-X-999-021 AND VERIFIED PROPER OPERATION PER N1-ISP-W-092-333
W185925	202-49F	RX BLDG EMERGENCY VENT LOOP 11 SQ ROOTER	OUT OF SPEC SQUARE ROOTER 202-49F FOUND OUT OF SPEC DURING N1-ISP-A-202-002 AND CAN NOT BE ADJUSTED TO IN SPEC REPLACE SQUARE ROOTER	REPLACED SQUARE ROOTER WITH TOSHIBA MODEL SEC SPEER 89-1-0122
W186539	202-FUEL POO L HIGH RANGE METER	FUEL POOL HIGH RANGE METER	CONTROL ROOM METER READS HIGH - HIGH TRIPS AT 200 MR/HR - SHOULD BE 800 MR/HR - LOW TRIPS AT 25 MR/HR - SHOULD BE 10 MR/HR - BKGD READS 80 MR/HR - SHOULD BE 30 MR/HR - THE AUX UNIT AND THE COMPUTER POINT READ GOOD AT REQUIRED VALUES	REZEROED MECHANICAL ZERO CHECKED TRIPS TO ENSURE PROPER VALUES USING N1-IMP-300-V002

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

WR Number	EPN Number	TITLE	Description	Corrective Action
W177863	TRNA-17B	POWER BOARD 17B TRANSFORMER	POWER BOARD 17B TRANSFORMER LOW GAS PRESSURE FILL TRANSFORMER TO 7 LB	PRESSURE LOW 3 LBS