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CONTROL NO: 304

FILE: MONTHLY REPORT FILE

FROM: Niagara Mohawk Power Corp Syracuse, NY 13202 RR Schneider		DATE OF DOC 1-6-75	DATE REC'D 1-13-75	LTR XXX	TWX	RPT	OTHER
TO: AEC		ORIG one signed	CC	OTHER	SENT AEC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-220		

DESCRIPTION:

Ltr trans the following:

**ACKNOWLEDGED  
DO NOT REMOVE**

ENCLOSURES:

Monthly Report for DECEMBER  
Plant & Component Operability & Availability  
This Report to be used in preparing Grey  
Book by Plans & Operations.

No. of Cys Rec'd 1

PLANT NAME: Nine Mile Point #1

FOR ACTION/INFORMATION 1-13-75 ehf

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INTERNAL DISTRIBUTION

<u>REG FILE</u> AEC PDR OGC, ROOM P-506-A MUNTIZING/STAFF CASE GIAMBUSSO BOYD MOORE (S) (BWR) DEYOUNG (S) (PWR) SKOVHOLT (S) GOLLER- (S) P. COLLINS DENISE REG OPR FILE & REGION (2) T.R. WILSON STEELE	<u>TECH REVIEW</u> SCHROEDER MACCARRY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLIMER	<u>DENTON</u> GRIMES GAMMILL KASTNER BALLARD SPANGLER  <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	<u>LIC ASST</u> DIGGS (S) GEARIN (S) GOULBOURNE (S) KREUTZER (E) LEE (S) MAIGRET (S) REED (E) SERVICE (S) SHEPPARD (S) SLATER (E) SMITH (S) TEETS (S) WILLIAMS (E) WILSON (S) INGRAM (S)	<u>A/T IND</u> BRAITMAN SALTZMAN B. HURT  <u>PLANS</u> MCDONALD CHAPMAN DUBE w/input E. COUPE  D. THOMPSON (2) KLECKER EISENHUT
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3

7-15-5

1. The first step is to identify the problem.
 2. The second step is to analyze the problem.
 3. The third step is to develop a solution.
 4. The fourth step is to implement the solution.
 5. The fifth step is to evaluate the solution.

2000

-55-

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: a control group and an experimental group. The control group received a placebo (P) and the experimental group received a treatment (T). The subjects were then divided into two subgroups: a control subgroup and an experimental subgroup. The control subgroup received a placebo (P) and the experimental subgroup received a treatment (T). The subjects were then divided into two subgroups: a control subgroup and an experimental subgroup. The control subgroup received a placebo (P) and the experimental subgroup received a treatment (T).

1

NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST  
SYRACUSE, N. Y. 13202

January 6, 1975

Office Of Plans & Schedules  
Directorate of Licensing  
United States Atomic Energy Commission  
Washington, D. C. 20545

Gentlemen:

Submitted herewith is the Operating Status Report for  
the month of December, 1974 for the Nine Mile Point Nuclear  
Station Unit#1.

Very Truly Yours,

  
R. R. Schneider

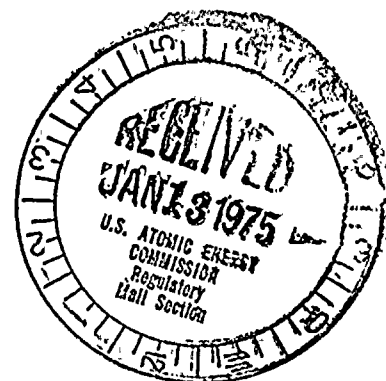
Vice President - Electric Operations

RRS/na

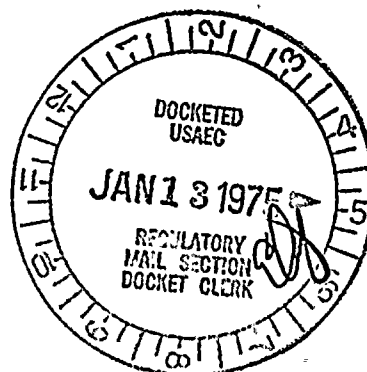
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Enclosures

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UNIT NAME

NINE MILE POINT UNIT #1

★ THIS UNIT NOT YET IN COMMERCIAL OPERATION

REACTOR AVAILABILITY (%)		UNIT AVAILABILITY (%)		UNIT CAPACITY (%)		FORCED OUTAGE RATE (%)	
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UNIT SHUTDOWNS/REDUCTIONS

AVERAGE DAILY POWER LEVEL (MWe) OPERATING STATUS

1 - 434  
2 - 469  
3 - 458  
4 - 520  
5 - 566  
6 - 575  
7 - 574  
8 - 576  
9 - 516  
10 - 97  
11 - 333  
12 - 339  
13 - 340  
14 - 353  
15 - 461  
16 - 461  
17 - 463  
18 - 459  
19 - 450  
20 - 6

1. REPORTING PERIOD: 741201.741231 GROSS HOURS IN REPORTING PERIOD: 744  
2. CURRENTLY AUTHORIZED POWER LEVEL (MWH): 1850 MAX. DEPEND. CAPACITY (MWe Net): 610  
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe Net) NA  
4. REASONS FOR RESTRICTIONS (IF ANY):  
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL: THIS MONTH 533.3 YR. TO DATE 6,384.2 CUMULATIVE TO DATE 31,321.4  
6. REACTOR RESERVE SHUTDOWN HOURS: 0 67.8 485.7  
7. HOURS GENERATOR ON LINE: 466.7 6,176.4 29,541.2  
8. UNIT RESERVE SHUTDOWN HOURS: 0 0 0  
9. GROSS THERMAL ENERGY GENERATED (MWH): 672,758 10,513,759 52,477,436  
10. GROSS ELECTRICAL ENERGY GENERATED (MWH): 221,707 3,380,670 15,347,703  
11. NET ELECTRICAL ENERGY GENERATED (MWH): 213,808 3,296,654 14,873,146  
12. REACTOR AVAILABILITY FACTOR <sup>1/</sup>: 71.7 72.9 69.2  
13. UNIT AVAILABILITY FACTOR <sup>2/</sup>: 62.7 70.5 65.2  
14. UNIT CAPACITY FACTOR <sup>3/</sup>: 47.1 61.7 53.9  
15. UNIT FORCED OUTAGE RATE <sup>4/</sup>: 37.3 4.3 14.6  
16. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):  
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP: 1-5-75  
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

INITIAL CRITICALITY

INITIAL ELECTRICAL POWER GENERATION

COMMERCIAL OPERATION

DATE  
FORECASTEDDATE  
ACHIEVED

Maximum Dependable Capacity (MWe-NET)

Restricted Power Level (if applicable)

NUMBER	DATE	TYPE FORCED SSCHEDULED	DURATION (HOURS)	REASON*	METHOD OF SHUTTING DOWN REACTOR**	COMMENTS
1	9	F	16.1	B	3	Feedwater Control Problem
1	21	F	261.2	B	3	High Drywell Floor Drain Leakage

\* A. Equipment Failure  
B. Maintenance Error  
C. Operator Error  
D. Regulatory Restrictions  
E. Fuel Cycle Limiting and  
F. Administrative  
G. Operational Error  
H. Other (if applicable)

\*\* 1. Manual  
2. Manual Scram  
3. Automatic Scram

SUMMARY

<sup>1/</sup> Reactor Availability Factor =  $\frac{\text{Hours Reactor was critical} \times 100}{\text{Gross Hours in reporting period}}$

<sup>2/</sup> Unit Availability Factor =  $\frac{\text{Hours Generator on Line} \times 100}{\text{Gross Hours in report period}}$

<sup>3/</sup> Unit Capacity Factor =  $\frac{\text{Net Electrical Power Generated} \times 100}{\text{Max. Dependable Capacity} \times \text{Gross Hrs. in report period}}$

<sup>4/</sup> Unit Outage Rate =  $\frac{\text{Forced Outage Hours} \times 100}{\text{Hours Generator on Line} \times \text{Forced Outage Hours}}$

Utility Data Prepared By:

T. O. Perkins

Station Superintendent



\* THIS UNIT NOT YET IN COMMERCIAL OPERATION

UNIT NAME

NINE MILE POINT UNIT #1

AVERAGE DAILY POWER LEVEL (MW<sub>6</sub>) OPERATING STATUS

REACTOR AVAILABILITY (%)	UNIT AVAILABILITY (%)	UNIT CAPACITY (MW)	FORCED OUTAGE RATE (%)
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UNIT SHUTDOWNS/REDUCTIONS

1 - 434  
2 - 469  
3 - 458  
4 - 520  
5 - 566  
6 - 575  
7 - 574  
8 - 576  
9 - 516  
10 - 97  
11 - 333  
12 - 339  
13 - 340  
14 - 353  
15 - 461  
16 - 461  
17 - 463  
18 - 459  
19 - 450  
20 - 6

1. REPORTING PERIOD	741201-741231	CROSS HOURS IN REPORTING PERIOD	744
2. CURRENTLY AUTHORIZED POWER LEVEL (MW)	1850	MAX. DEPEND. CAPACITY (MW) (Not)	610
3. POWER LEVEL TO WHICH RESTRICTED BY ANY: (MW) (Not)	NA		
4. REASONS FOR RESTRICTIONS IF ANY:			
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	THIS MONTH 533.3	YR TO DATE 6,384.2	CUMULATIVE 31,321.4
6. REACTOR RESERVE SHUTDOWN HOURS	0	67.8	485.7
7. HOURS GENERATOR ON LINE	466.7	6,176.4	29,541.2
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MW-HRS)	672,758	10,513,759	52,477,436
10. GROSS ELECTRICAL ENERGY GENERATED (MW-HRS)	221,707	3,580,670	15,347,703
11. NET ELECTRICAL ENERGY GENERATED (MW-HRS)	213,808	3,296,654	14,873,146
12. REACTOR AVAILABILITY FACTOR (%)	71.7	72.9	69.2
13. UNIT AVAILABILITY FACTOR (%)	62.7	70.5	65.2
14. UNIT CAPACITY FACTOR (%)	47.1	61.7	53.9
15. UNIT FORCED OUTAGE RATE (%)	37.3	4.3	14.6

16. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH)

17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP: 1-5-75

18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

	DATE FORECASTED	DATE ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICAL POWER GENERATION		
COMMERCIAL OPERATION		

POWER	DATE	TYPE OF FORCED OUTAGE	OPERATION HOURS	REASON	REASON FOR SHUTTING DOWN REACTOR	COMMENTS
1	9	F	16.1	B	3	Feedwater Control Problem
1	21	F	261.2	B	5	High Drywell Floor Drain Leakage

\* A. Equipment Failure  
B. Human Error  
C. Fuel Rod Failure  
D. Loss of Heat Sink  
E. Loss of Heat Sink  
F. Loss of Heat Sink  
G. Loss of Heat Sink  
H. Loss of Heat Sink  
I. Loss of Heat Sink  
J. Loss of Heat Sink  
K. Loss of Heat Sink  
L. Loss of Heat Sink  
M. Loss of Heat Sink  
N. Loss of Heat Sink  
O. Loss of Heat Sink  
P. Loss of Heat Sink  
Q. Loss of Heat Sink  
R. Loss of Heat Sink  
S. Loss of Heat Sink  
T. Loss of Heat Sink  
U. Loss of Heat Sink  
V. Loss of Heat Sink  
W. Loss of Heat Sink  
X. Loss of Heat Sink  
Y. Loss of Heat Sink  
Z. Loss of Heat Sink

\* 1. Manual  
2. Manual  
3. Automatic  
4. Automatic  
5. Automatic  
6. Automatic  
7. Automatic  
8. Automatic  
9. Automatic  
10. Automatic  
11. Automatic  
12. Automatic  
13. Automatic  
14. Automatic  
15. Automatic  
16. Automatic  
17. Automatic  
18. Automatic  
19. Automatic  
20. Automatic

1. Reactor Availability Factor = Hours Reactor was critical ÷ 100  
Gross Hours in reporting period

2. Unit Availability Factor = Hours Generator on Line ÷ 100  
Gross Hours in reporting period

3. Unit Capacity Factor = Net Electrical Power Generated ÷ 100  
Max. Dependable Capacity ÷ Gross Hrs. in  
reporting period

4. Unit Outage Rate = Forced Outage Hours ÷ 100  
Hours Generator on Line ÷ Forced Outage Hours

Summary

Unit Data Prepared By: T. J. Perkins

T. J. Perkins  
Station Superintendent