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MONTHLY REPORT

TO: USNRC

FROM: Niagara Mohawk Power Corp.
Syracuse, N.Y.
R.R. Schneider

DATE OF DOCUMENT
5-10-76

DATE RECEIVED
5-14-76

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DESCRIPTION

LETTER TRANS THE FOLLOWING:

PLANT NAME: Nine Mile PT. #1

ENCLOSURE

MONTHLY REPORT FOR April 1976
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

DO NOT REMOVE
ACKNOWLEDGED

SAFETY

FOR ACTION/INFORMATION

ENVIRO

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INTERNAL DISTRIBUTION

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EXTERNAL DISTRIBUTION

LPDR: Oswego, N.Y.

TIC

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CONTROL NUMBER

4905

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NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD, WEST
SYRACUSE, N. Y. 13202

10 May 1976



Office of Plans & Schedules
Directorate of Licensing
United States Nuclear Regulatory Commission
Washington, D.C. 20545

RE: Docket No. 50-220

Gentlemen:

Submitted herewith is the Operating Status Report for the month of April, 1976 for the Nine Mile Point Nuclear Station Unit #1.

Very truly yours,

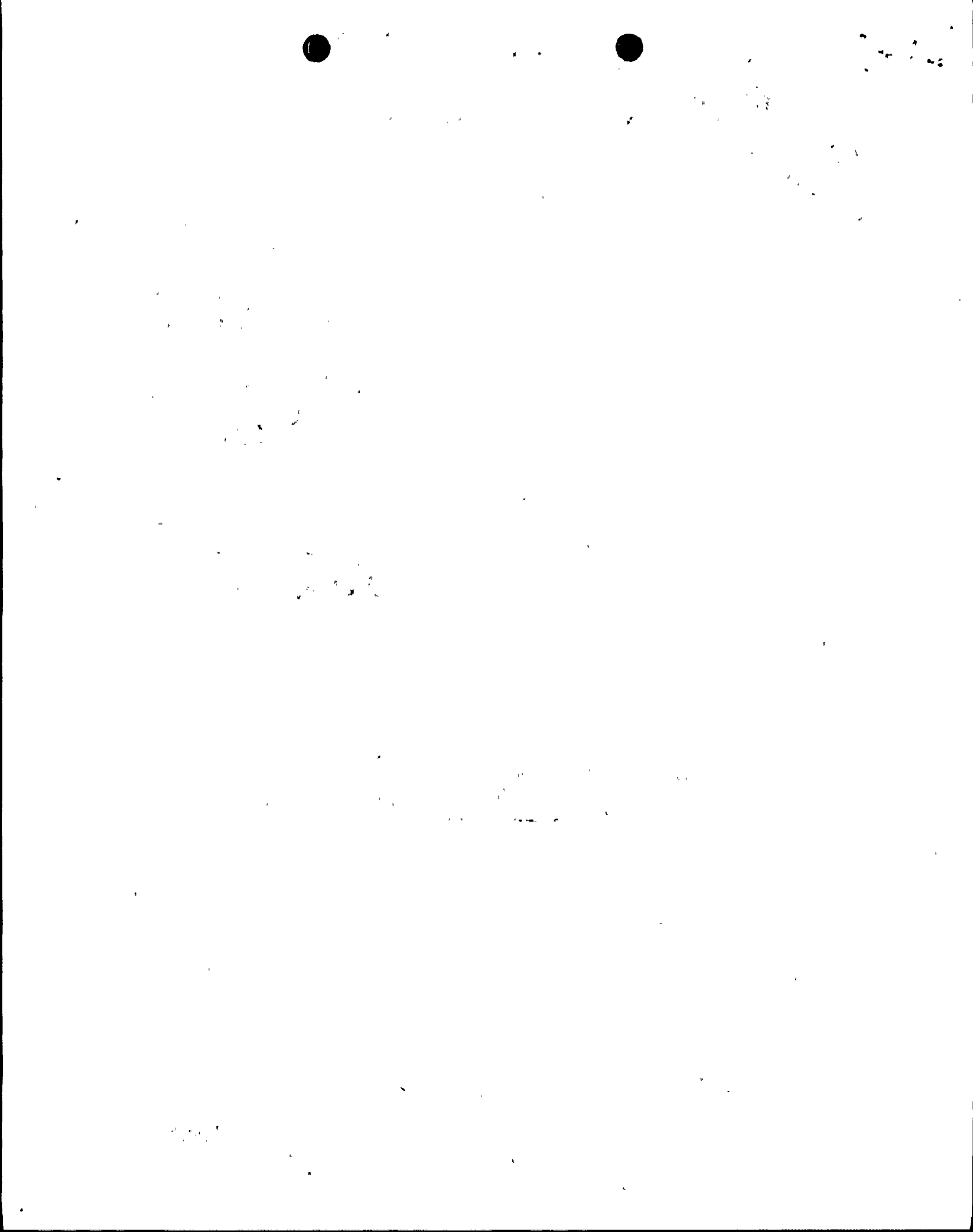
R. R. Schneider

R. R. Schneider
Vice President
Electric Operations

cb
Enc.

cc: Mr. James P. O'Reilly
Directorate of Regulatory Operations
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pa. 29406

4905



UNIT NAME

NINE MILE POINT # 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.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18. 94
- 19. 90
- 20. 147
- 21. 334
- 22. 377
- 23. 383
- 24. 391
- 25. 393
- 26. 455
- 27. 504
- 28. 509
- 29. 520
- 30. 540
- 31. -

1. REPORTING PERIOD: 760401-760130	GROSS HOURS IN REPORTING PERIOD: 719
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 1850	MAX. DEPEND. CAPACITY (MWe Net): 610
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe Net)	
4. REASONS FOR RESTRICTIONS (IF ANY):	
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	THIS MONTH: 719 YR. TO DATE: 2,273.2 CUMULATIVE TO DATE: 40,110.7
6. REACTOR RESERVE SHUTDOWN HOURS	178 238.6 1,084.9
7. HOURS GENERATOR ON LINE	284.5 2,186.5 37,965.6
8. UNIT RESERVE SHUTDOWN HOURS	0 0 0
9. GROSS THERMAL ENERGY GENERATED (MWh)	393,346 3,519,466 50,734,012
10. GROSS ELECTRICAL ENERGY GENERATED (MWh)	117,759 1,171,816 19,664,919
11. NET ELECTRICAL ENERGY GENERATED (MWh)	113,643 1,135,017 19,053,111
12. REACTOR AVAILABILITY FACTOR 1/	49.6 78.3 70.4
13. UNIT AVAILABILITY FACTOR 2/	39.6 75.3 66.7
14. UNIT CAPACITY FACTOR 3/	25.9 64.1 54.8
15. UNIT FORCED OUTAGE RATE 4/	60.4 23.1 13.7

NUMBER	DATE	TYPE OF FORCED SCHEDULED	DURATION (HOURS)	REASON*	METHOD OF SHUTTING DOWN REACTOR**	COMMENTS
2	3/22/76	F	239.9	G	3	Just prior to a scheduled outage, feedwater cleanup piping inspection Reactor scrambled on high water level while operator was resetting feedwater control. No. 11 Channel Reactor protection system tripped when paralleling continuous power supply M.G. Set #162. Stayed out to begin cleanup piping inspection.
			98.4	B	3	On 4/10/76 prior to startup, turbine bearings were inspected and found to need repair. Outage was extended to correct bearing problem.
3	4/15/76	F	8.0	B	1	Malfunction of thrust bearing vibration detector.
4	4/19/76	F	16.2	B	1	#13 Feedwater pump transfer line and suction line and drain valve leaks.

* A Equipment Failure
B Malfunction of Protection System
C Operator Error
D Regulatory Shutdown
E Fuel Element Examination
F Administrative
G Operational Error
H Other (if option)

** 1. Manual
3 Automatic Scram
7 Manual Scram

- 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 report period
- 3/ Unit Capacity Factor = Net Electrical Power Generated ÷ 100 Max. Dependable Capacity x Gross Hrs. in report period
- 4/ Unit Outage Rate = Forced Outage Hours ÷ 100 Hours Generator on Line ÷ Forced Outage Hours

SUMMARY

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

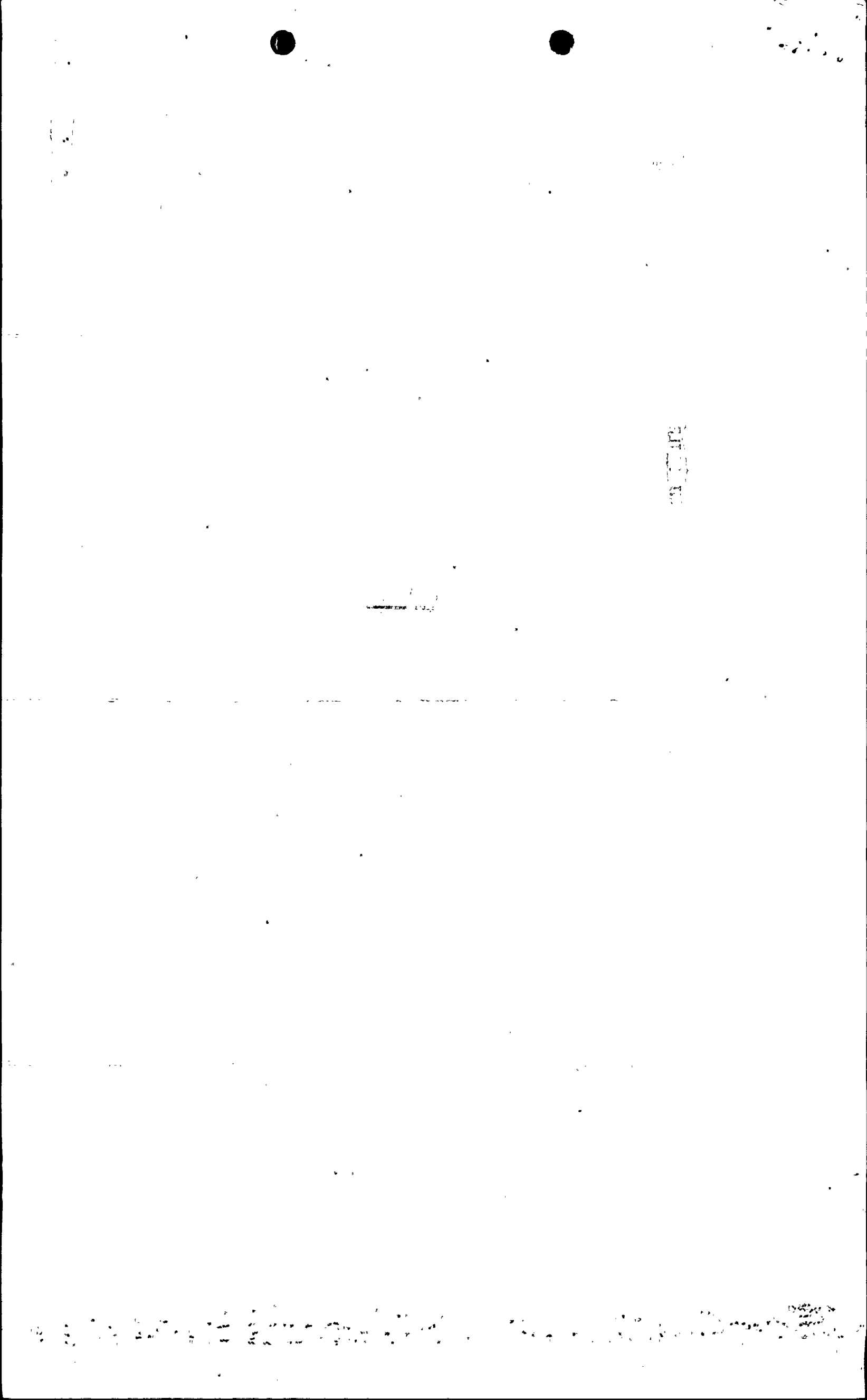
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

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

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

----- Maximum Dependable Capacity (MWe-Net)
----- Restricted Power Level (if applicable)

Utility Data Prepared By: T.J. Perkins
T.J. Perkins
Station Superintendent



UNIT NAME

NINE MILE POINT # 1

* THIS UNIT NOT YET IN COMMERCIAL OPERATION

REACTOR AVAILABILITY (%)	UNIT AVAILABILITY (%)	UNIT CAPACITY (%)	FORCED OUTAGE RATE (%)
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AVERAGE DAILY POWER LEVEL (MWe) OPERATING STATUS

UNIT SHUTDOWNS/REDUCTIONS

- 1. 16.
- 2. 17.
- 3. 18. 94
- 4. 19. 90
- 5. 20. 147
- 6. 21. 334
- 7. 22. 377
- 8. 23. 383
- 9. 24. 391
- 10. 25. 393
- 11. 26. 455
- 12. 27. 504
- 13. 28. 509
- 14. 29. 520
- 15. 30. 540
- 16. 31. -

1. REPORTING PERIOD:	760401-760130		
2. CURRENTLY AUTHORIZED POWER LEVEL (Mw):	1850	MAX. DEPEND. CAPACITY (Mw Net):	610
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY):			
4. REASONS FOR RESTRICTIONS (IF ANY):			
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	THIS MONTH	YR. TO DATE	CUMULATIVE TO DATE
6. REACTOR RESERVE SHUTDOWN HOURS	178	238.6	1,084.9
7. HOURS GENERATOR ON LINE	284.5	2,186.5	37,965.6
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	393,346	3,519,466	59,734,012
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	117,759	1,171,816	19,664,919
11. NET ELECTRICAL ENERGY GENERATED (MWH)	113,643	1,135,017	19,053,111
12. REACTOR AVAILABILITY FACTOR %	49.6	78.3	70.4
13. UNIT AVAILABILITY FACTOR %	39.6	75.3	66.7
14. UNIT CAPACITY FACTOR %	25.9	64.1	54.8
15. UNIT FORCED OUTAGE RATE %	60.4	23.1	13.7

NUMBER	DATE	TYPE OF FORCED SCHEDULED	DURATION (HOURS)	REASON*	METHOD OF SHUTTING DOWN REACTOR**	COMMENTS
2	3/22/76	F	239.9	G	3	Just prior to a scheduled outage, feedwater cleanup piping inspection Reactor scrambled on high water level while operator was resetting feedwater control. No. 11 Channel Reactor protection system tripped when paralleling continuous power supply M.G. Set #162. Stayed out to begin cleanup piping inspection.
3	4/15/76	F	8.0	B	1	Malfunction of thrust bearing vibration detector.
4	4/19/76	F	16.2	B	1	#13 Feedwater pump transfer line and suction line and drain valve leaks.

- * A Equipment Failure
- B Fuel System
- C Regulatory Restrictions
- D Operator Error
- E Maintenance
- F Operational Error
- G Other (if option)
- ** 1. Manual
- 2. Manual Scram
- 3. Automatic Scram

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:

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

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

- 1/ Reactor Availability Factor = $\frac{\text{Hours Reactor was critical} \times 100}{\text{Gross Hours in reporting period}}$
- 2/ Unit Availability Factor = $\frac{\text{Hours Generator on Line} \times 100}{\text{Gross Hours in report period}}$
- 3/ Unit Capacity Factor = $\frac{\text{Net Electrical Power Generated} \times 100}{\text{Max. Dependable Capacity} \times \text{Gross Hrs. in report period}}$
- 4/ Unit Outage Rate = $\frac{\text{Forced Outage Hours} \times 100}{\text{Hours Generator on Line} \times \text{Forced Outage Hours}}$

SUMMARY	

----- Maximum Dependable Capacity (Mw-NET)
 ----- Restricted Power Level (if applicable)

Utility Data Prepared By: T.J. Perkins
 T.J. Perkins
 Station Superintendent

