

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

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: | | | | ENCLOSURES: Monthly Report for <u>DECEMBER</u> Plant & Component Operability & Availability This Report to be used in preparing Grey Book by Plans & Operations. No. of Cys Rec'd <u>1</u> | | | |
| PLANT NAME: Nine Mile Point #1 | | | | | | | |

**ACKNOWLEDGED
DO NOT REMOVE**

FOR ACTION/INFORMATION 1-13-75 ehf

| | | | |
|-------------------------|----------------------------|-----------------------------|----------------------------|
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INTERNAL DISTRIBUTION

| | | | | |
|--|---|--|---|--|
| <u>REG FILE</u> AEC PDR OGC, ROOM P-506-A MUNTZING/STAFF CASE GIAMBUSO 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 |
|--|---|--|---|--|

EXTERNAL DISTRIBUTION

| | | |
|---------------------------------|--------------------------------|------------------------------|
| 1-LOCAL PDR <u>Dsweso, N. 4</u> | (1) (2) (10) - NATIONAL LABS | 1-PDR SAN/LA/NY |
| 1-TIC (ABERNATHY) | 1-W. PENNINGTON, RM-E-201 G.T. | 1-BROOKHAVEN NAT LAB |
| 1-NSIC (BUCHANAN) | 1-CONSULTANTS | 1-G. ULRIKSON, ORNL |
| 1-ASLB | NEWMARK/BLUME/AGBABIAN | 1-AGMED RUTH GUSSMAN |
| 1-NEWTON ANDERSON | | ROOM B-127 G.T. |
| 16-ACRS HOLDING | | 1-J. RUNKLES RM-E-20 G.T. |

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NIAGARA MOHAWK POWER CORPORATION

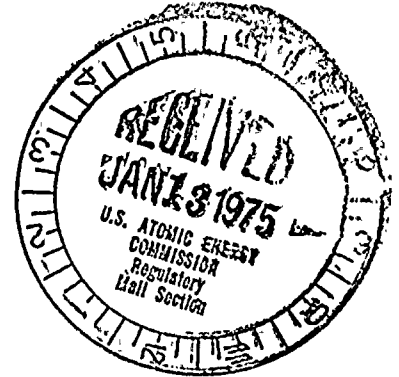
NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST
SYRACUSE, N. Y. 13202

50-220

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,

A handwritten signature in cursive script, appearing to read "R. R. Schneider".

R. R. Schneider
Vice President - Electric Operations

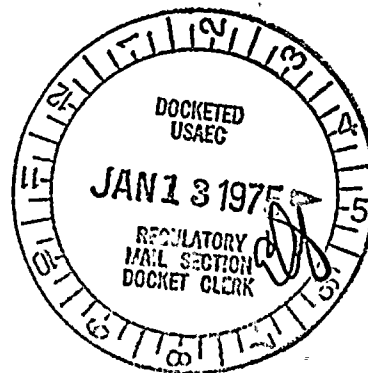
RRS/na

cc: RO;1

Enclosures

REGULATORY MAIL SECTION COPY

REGISTERED MAIL
RETURN RECEIPT REQUEST



UNIT NAME

NINE MILE POINT UNIT #1

* THIS UNIT NOT YET IN COMMERCIAL OPERATION

| | | | |
|--------------------------|-----------------------|-------------------|------------------------|
| REACTOR AVAILABILITY (%) | UNIT AVAILABILITY (%) | UNIT CAPACITY (%) | FORCED OUTAGE RATE (%) |
|--------------------------|-----------------------|-------------------|------------------------|

AVERAGE DAILY POWER LEVEL (MWe) OPERATING STATUS

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 | 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 |
| 6. REACTOR RESERVE SHUTDOWN HOURS | 0 | 67.8 |
| 7. HOURS GENERATOR ON LINE | 466.7 | 6,176.4 |
| 8. UNIT RESERVE SHUTDOWN HOURS | 0 | 0 |
| 9. GROSS THERMAL ENERGY GENERATED (MWH) | 672,758 | 10,513,759 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 221,707 | 3,380,670 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | 213,808 | 3,296,654 |
| 12. REACTOR AVAILABILITY FACTOR ^{1/} | 71.7 | 72.9 |
| 13. UNIT AVAILABILITY FACTOR ^{2/} | 62.7 | 70.5 |
| 14. UNIT CAPACITY FACTOR ^{3/} | 47.1 | 61.7 |
| 15. UNIT FORCED OUTAGE RATE ^{4/} | 37.3 | 4.3 |

| NUMBER | DATE | TYPE OF FORCED SCHEDULED | 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 |

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 | _____ | _____ |

* A Equipment Failure
 B Maintenance (Ex. Test)
 C Outage
 D Regulatory Restrictions
 E Fuel Cycle Loading and Unloading
 F Administrative
 G Operational Error
 H Other (Specify)

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

^{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 = $\frac{\text{Net Electrical Power Generated} \times 100}{\text{Max. Dependable Capacity} \times \text{Gross Hrs. in report period}}$

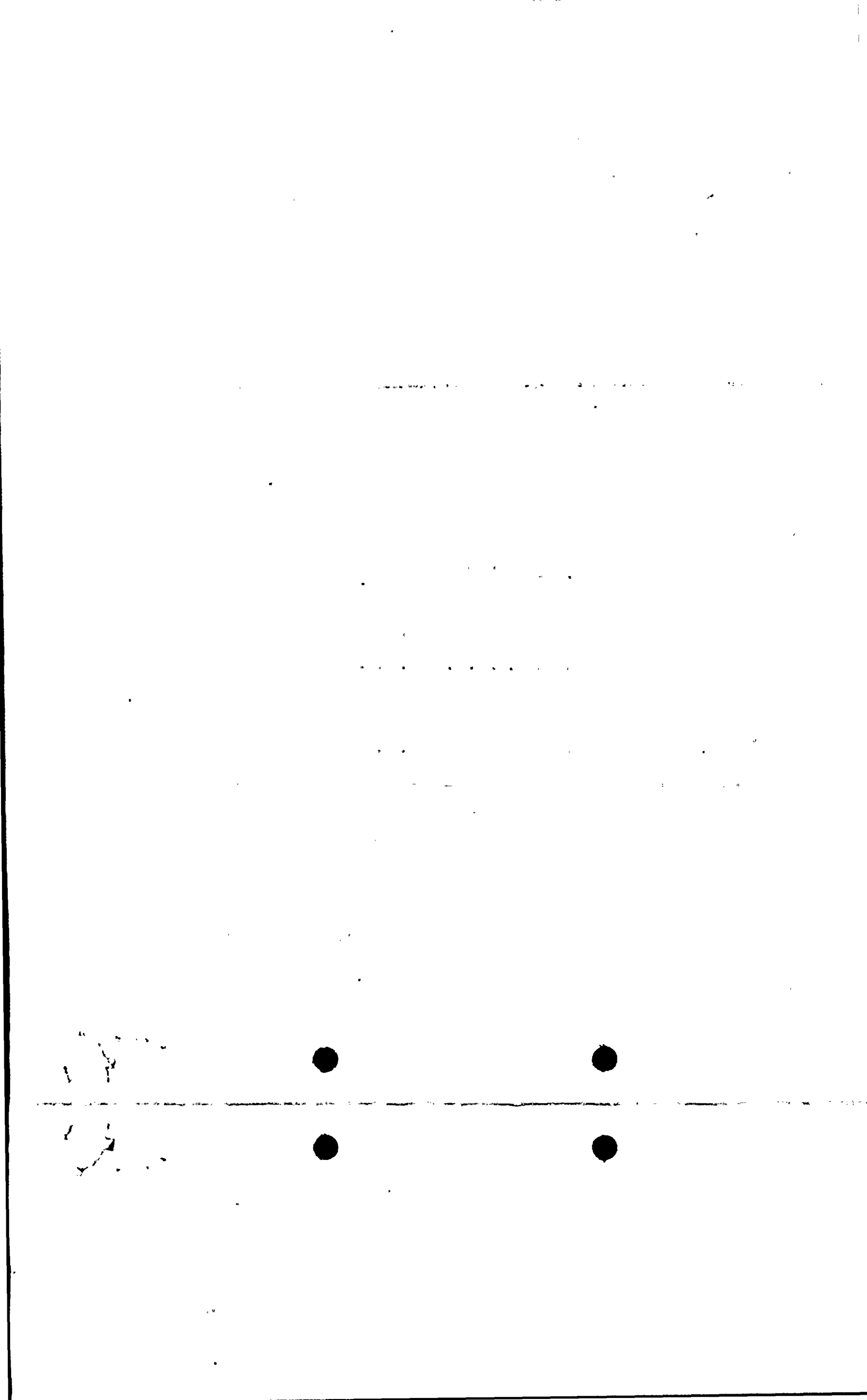
^{4/} Unit Outage Rate = $\frac{\text{Forced Outage Hours} \times 100}{\text{Hours Generator on Line} \times \text{Forced Outage Hours}}$

SUMMARY

| |
|--|
| |
|--|

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

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



UNIT NAME

NINE MILE POINT UNIT #1

* THIS UNIT NOT YET IN COMMERCIAL OPERATION

AVERAGE DAILY POWER LEVEL (MWE) OPERATING STATUS

| | | | |
|--------------------------|-----------------------|-------------------|------------------------|
| REACTOR AVAILABILITY (%) | UNIT AVAILABILITY (%) | UNIT CAPACITY (%) | FORCED OUTAGE RATE (%) |
|--------------------------|-----------------------|-------------------|------------------------|

UNIT SHUTDOWNS/REDUCTIONS

- 1 - 434
- 2 - 469
- 3 - 458
- 4 - 520
- 5 - 566
- 6 - 575
- 7 - 574
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- 15 - 461
- 16 - 461
- 17 - 463
- 18 - 459
- 19 - 450
- 20 - 6

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| 2. CURRENTLY AUTHORIZED POWER LEVEL (MWE) | 1850 | MAX. DEPEND. CAPACITY (MWE) Net | 610 | |
| 3. POWER LEVEL TO WHICH RESTRICTED BY ANY: (MWE) Net | NA | | | |
| 4. REASONS FOR RESTRICTIONS IF ANY: | | | | |
| 5. NUMBER OF HOURS THE REACTOR WAS CRITICAL | THIS MONTH | YR TO DATE | CUMULATIVE YTD | |
| | 533.3 | 6,384.2 | 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 | 3,580,670 | 15,347,705 | |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | 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 | |

| POWER | DATE | TYPE OF FORCED OUTAGE | OPERATION HOURS | REASON* | METHOD OF SAVING 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 |

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

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

* A Equipment Failure
 B Human Error
 C Fuel Rod
 D Fuel Rod Element
 E Control Rod
 F Turbine
 G Generator
 H Other
 I Other
 J Other

** 1 Manual
 2 Manual
 3 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 report period

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



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

Maximum Dependable Capacity (MWE) NET
 Restricted Power Level (if applicable)