

NUREG-0020
Vol. 8, No. 4
April 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 03-31-84

UNITED STATES NUCLEAR REGULATORY COMMISSION



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Manuscript Completed: May 1984
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**OFFICE OF RESOURCE MANAGEMENT
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555**



AUTHORIZATION AND CLEARANCE*

The U.S. Nuclear Regulatory Commission's Office of Management and Program Analysis publishes this monthly status report "as part of the reporting requirements in Section 50.36 of 10 CFR Part 50 under GAO Clearance Number B-180225, with an expiration date of September 30, 1981," as stated in the October 3, 1978 letter from John M. Lovelady, Assistant Director, General Government Division, U.S. General Accounting Office, to J.M. Felton, Director, Division of Rules and Records, U.S. Nuclear Regulatory Commission.

*Extended to April 30, 1985 by OMB Directive 3150-0011.

STATEMENT OF PURPOSE

The U.S. Nuclear Regulatory Commission's monthly LICENSED OPERATING REACTORS Status Summary Report provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management, from the Headquarters Staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. Since all of the data concerning operation of the units is provided by the utility operators less than two weeks after the end of the month, necessary corrections to published information are shown on the ERRATA page.

This report is divided into three sections: the first contains monthly highlights and statistics for commercial operating units, and errata from previously reported data; the second is a compilation of detailed information on each unit, provided by NRC Regional Offices, IE Headquarters and the Utilities; and the third section is an appendix for miscellaneous information such as spent fuel storage capability, reactor years of experience and non-power reactors in the United States.

The percentage computations, Items 20 through 24 in Section 2, the vendor capacity factors on page 1-7, and actual vs. potential energy production on Page 1-2 are computed using actual data for the period of consideration. The percentages listed in power generation on Page 1-2 are computed as an arithmetic average. The factors for the life-span of each unit (the "Cumulative" column) are reported by the utility and are not entirely re-computed by NRC. Utility power production data is checked for consistency with previously submitted statistics.

It is hoped this status report proves informative and helpful to all agencies and individuals interested in analyzing trends in the nuclear industry which might have safety implications, or in maintaining an awareness of the U.S. energy situation as a whole.

TABLE OF CONTENTS

	PAGE
GLOSSARY	ii
INDEX TO LICENSED UNITS	vii
<u>SECTION 1 - CURRENT DATA SUMMARIES</u>	
MONTHLY HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS	1-2
Licensed Power Reactors	1-2
Power Generation	1-2
Actual vs. Potential Energy Production	1-2
Outage Data	1-2
Reasons for Shutdown	1-3
Derated Units	1-3
Shutdowns Greater Than 72 Hours Each	1-3
UNIT AVAILABILITY, CAPACITY, AND FORCED OUTAGE RATE PLOT	1-4
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIAL OPERATING UNITS	1-5
AVERAGE CAPACITY FACTORS BY VENDOR	1-6
Vendor Plot	1-7
Statistics	1-7
MEMORANDA - SPECIAL INFORMATION	1-8
ERRATA - CORRECTIONS TO PREVIOUSLY REPORTED DATA	1-9
<u>SECTION 2 - OPERATING POWER REACTORS</u>	
ARKANSAS 1 THROUGH ZION 2	2-002 through 2-382
For each reactor:	
Operating Status	
Average Daily Power Level (MWe) Plot	
Unit Shutdowns/Reductions	
Summary	
Facility Data	
Inspection Status	
Licensee Reports	
<u>SECTION 3 - APPENDIX</u>	
STATUS OF SPENT FUEL STORAGE CAPABILITY	3-2
REACTOR-YEARS OF OPERATION	3-4
NON-POWER REACTORS IN THE U.S.	3-5

G L O S S A R Y

AVERAGE DAILY POWER LEVEL (MWe)	The net electrical energy generated during the day (measured from 0001 to 2400 hours inclusive) in megawatts hours, divided by 24 hours.
LICENSED THERMAL POWER (MWt)	The maximum thermal power of the reactor authorized by the NRC, expressed in megawatts.
DATE OF COMMERCIAL OPERATION	Date unit was declared by utility owner to be available for the regular production of electricity; usually related to satisfactory completion of qualification tests as specified in the purchase contract and to accounting policies and practices of utility.
DESIGN ELECTRICAL RATING (DER) (NET MWe)	The nominal net electrical output of the unit specified by the utility and used for the purpose of plant design.
FORCED OUTAGE	An outage required to be initiated no later than the weekend following discovery of an offnormal condition.
FORCED OUTAGE HOURS	The clock hours during the report period that a unit is unavailable due to forced outages.
GROSS ELECTRICAL ENERGY GENERATED (MWH)	Electrical output of the unit during the report period as measured at the output terminals of the turbine generator, in megawatts hours.
GROSS HOURS	The clock hours from the beginning of a specified situation until its end. For outage durations, the clock hours during which the unit is not in power production.
GROSS THERMAL ENERGY GENERATED (MWH)	The thermal energy produced by the unit during the report period as measured or computed by the licensee in megawatt hours.
HOURS GENERATOR ON-LINE	Also, "Unit Service Hours." The total clock hours in the report period during which the unit operated with breakers closed to the station bus. These hours added to the total outage hours experienced by the unit during the report period, shall equal the hours in the report period.
HOURS IN REPORTING PERIOD	<p>For units in power ascension at the end of the period, the gross hours from the beginning of the period or the first electrical production, whichever comes last, to the end of the period.</p> <p>For units in commercial operation at the end of the period, the gross hours from the beginning of the period or of commercial operation, whichever comes last, to the end of the period or decommissioning, whichever comes first.</p>

G L O S S A R Y (continued)

HOURS REACTOR CRITICAL	The total clock hours in the report period during which the reactor sustained a controlled chain reaction.
MAXIMUM DEPENDABLE CAPACITY (GROSS) (MDC Gross) (Gross MWe)	Dependable main-unit gross capacity, winter or summer, whichever is smaller. The dependable capacity varies because the unit efficiency varies during the year due to cooling water temperature variations. It is the gross electrical output as measured at the output terminals of the turbine generator during the most restrictive seasonal conditions (usually summer).
MAXIMUM DEPENDABLE CAPACITY (NET) (MDC Net) (Net MWe)	Maximum Dependable Capacity (Gross) less the normal station service loads.
NAMEPLATE RATING (Gross MWe)	The nameplate power designation of the generator in megavolt amperes (MVA) times the nameplate power factor of the generator. NOTE: The nameplate rating of the generator may not be indicative of the maximum or dependable capacity, since some other item of equipment of a lesser rating (e.g., turbine) may limit unit output.
NET ELECTRICAL ENERGY GENERATED	Gross electrical output of the unit measured at the output terminals of the turbine generator during the reporting period, minus the normal station service electrical energy utilization. If this quantity is less than zero, a negative number should be recorded.
OUTAGE	A situation in which no electrical production takes place.
OUTAGE DATE	As reported on Appendix D of Reg. Guide 1.16, the date of the start of the outage. If continued from a previous month, report the same outage date but change "Method of Shutting Down Reactor" to "4 (continuations)" and add a note: "Continued from previous month."
OUTAGE DURATION	The Total clock hours of the outage measured from the beginning of the report period or the outage, whichever comes last, to the end of the report period or the outage, whichever comes first.
OUTAGE NUMBER	A number unique to the outage assigned by the licensee. The same number is reported each month in which the outage is in progress. One format is "76-05" for the fifth outage to occur in 1976.
PERIOD HOURS	See "Hours in Reporting Period."
POWER REDUCTION	A reduction in the Average Daily Power Level of more than 20% from the previous day. All power reductions are defined as outage of zero hours durations for the purpose of computing unit service and availability factors, and forced outage rate.

G L O S S A R Y (continued)

REACTOR AVAILABLE HOURS	The Total clock hours in the report period during which the reactor was critical or was capable of being made critical. (Reactor Reserve Shutdown Hours + Hours Reactor Critical.)
REACTOR AVAILABILITY FACTOR	$\frac{\text{Reactor Available Hours} \times 100}{\text{Period Hours}}$
REACTOR RESERVE SHUTDOWN	The cessation of criticality in the reactor for administrative or other similar reasons when operation could have been continued.
REACTOR RESERVE SHUTDOWN HOURS	The total clock hours in the report period that the reactor is in reserve shutdown mode. NOTE: No credit is given for NRC imposed shutdowns.
REACTOR SERVICE FACTOR	$\frac{\text{Hours Reactor Critical} \times 100}{\text{Period Hours}}$
REPORT PERIOD	Usually, the preceding calendar month. Can also be the preceding calendar year, (Year-to-Date), or the life-span of a unit (cumulative).
RESTRICTED POWER LEVEL	Maximum net electrical generation to which the unit is restricted during the report period due to the state of equipment, external conditions, administrative reasons, or a direction by NRC.
SCHEDULED OUTAGE	Planned removal of a unit from service for refueling, inspection, training, or maintenance. Those outages which do not fit the definition of "Forced Outage" perforce are "Scheduled Outages."
STARTUP AND POWER ASCENSION TEST PHASE	Period following initial criticality during which the unit is tested at successively higher levels, culminating with operation at full power for a sustained period and completion of warranty runs. Following this phase, the utility generally considers the unit to be available for commercial operation.
UNIT	The set of equipment uniquely associated with the reactor, including turbine generators, and ancillary equipment, considered as a single electrical energy production facility.
UNIT AVAILABLE HOURS	The total clock hours in the report period during which the unit operated on-line or was capable of such operation. (Unit Reserve Shutdown Hours + Hours Generator On-Line.)

G L O S S A R Y (continued)

UNIT AVAILABILITY FACTOR $\frac{\text{Unit Available Hours} \times 100}{\text{Period Hours}}$

UNIT CAPACITY FACTORS

- Using Licensed Thermal Power $\frac{\text{Gross Thermal Energy Generated} \times 100}{\text{Period Hours} \times \text{Lic. Thermal Power}}$
- Using Nameplate Rating $\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{Nameplate Rating}}$
- Using DER $\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{DER}}$
- Using MDC Gross $\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Gross}}$
- Using MDC Net $\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Net}}$

NOTE: if MDC GROSS and/or MDC NET have not been determined, the DER is substituted for this quantity for Unit Capacity Factor calculations.

UNIT FORCED OUTAGE RATE $\frac{\text{Forced Outage Hours}}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$

UNIT RESERVE SHUTDOWN The removal of the unit from on-line operation for economic or other similar reasons when operation could have been continued.

UNIT RESERVE SHUTDOWN HOURS The total clock hours in the report period during which the unit was in reserve shutdown mode.

UNIT SERVICE FACTOR $\frac{\text{Unit Service Hours} \times 100}{\text{Period Hours}}$

UNIT SERVICE HOURS See "Hours Generator On-Line."

NOTE:

At the end of each statement in the Enforcement Summary for any given facility may be found numbers in parentheses. These numbers are related to the inspection, e.g., 8111 (the 11th inspection of the plant in 1981); and the severity level, e.g., 4 (severity level IV). Violations are ranked by severity levels from I through V with level I being the most serious. The severity level is used in the determination of any resulting enforcement action. Gray Book lists severity level by Arabic numbers corresponding to the Roman numerals. Details on the various severity levels and enforcement actions can be found in Appendix C to 10 CFR Part 2 published in the Federal Register of March 9, 1982 pages 9987 through 9995, and as corrected April 14, 1982.

INDEX TO OPERATING POWER REACTORS

	PAGE		PAGE
ARKANSAS 1	2-002	NORTH ANNA 1	2-190
ARKANSAS 2	2-006	NORTH ANNA 2	2-196
BEAVER VALLEY 1	2-012	OCONEE 1	2-200
BIG ROCK POINT 1	2-016	OCONEE 2	2-204
BROWNS FERRY 1	2-020	OCONEE 3	2-208
BROWNS FERRY 2	2-026	OYSTER CREEK 1	2-212
BROWNS FERRY 3	2-032	PALISADES	2-218
BRUNSWICK 1	2-038	PEACH BOTTOM 2	2-222
BRUNSWICK 2	2-044	PEACH BOTTOM 3	2-228
CALVERT CLIFFS 1	2-050	PILGRIM 1	2-234
CALVERT CLIFFS 2	2-054	POINT BEACH 1	2-238
COOK 1	2-058	POINT BEACH 2	2-244
COOK 2	2-062	PRAIRIE ISLAND 1	2-250
COOPER STATION	2-066	PRAIRIE ISLAND 2	2-254
CRYSTAL RIVER 3	2-070	QUAD CITIES 1	2-258
DAVIS-BESSE 1	2-074	QUAD CITIES 2	2-262
DRESDEN 2	2-080	RANCHO SECO 1	2-266
DRESDEN 3	2-086	ROBINSON 2	2-272
DUANE ARNOLD	2-090	SALEM 1	2-278
FARLEY 1	2-094	SALEM 2	2-282
FARLEY 2	2-100	SAN ONOFRE 1	2-286
FITZPATRICK	2-104	SAN ONOFRE 2	2-290
FORT CALHOUN 1	2-108	SAN ONOFRE 3	2-296
FORT ST VRAIN	2-112	SEQUOYAH 1	2-302
GINNA	2-116	SEQUOYAH 2	2-308
HADDAM NECK	2-120	ST LUCIE 1	2-314
HATCH 1	2-124	ST LUCIE 2	2-318
HATCH 2	2-130	SUMMER 1	2-322
INDIAN POINT 2	2-136	SURRY 1	2-328
INDIAN POINT 3	2-140	SURRY 2	2-334
KEWAUNEE	2-144	SUSQUEHANNA 1	2-340
LA CROSSE	2-148	THREE MILE ISLAND 1	2-344
LASALLE 1	2-152	TROJAN	2-348
MAINE YANKEE	2-158	TURKEY POINT 3	2-354
MCGUIRE 1	2-162	TURKEY POINT 4	2-360
MCGUIRE 2	2-168	VERMONT YANKEE 1	2-366
MILLSTONE 1	2-174	YANKEE-ROWE 1	2-370
MILLSTONE 2	2-178	ZION 1	2-374
MONTICELLO	2-182	ZION 2	2-378
NINE MILE POINT 1	2-186		

SECTION 1

CURRENT

DATA

SUMMARIES

 MONTHLY HIGHLIGHTS

***** 78 IN COMMERCIAL OPERATION 61,028 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 1 IN POWER ASCENSION. 1,070 capacity; design elec. rating
 * POWER * used if MDC not determined
 * REACTORS * (b) 79 LICENSED TO OPERATE
 ***** (c) 4 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING 62,098 TOTAL

MDC NET			DER		DATE	DER
(a) SAN ONOFRE 3 . . . 1087	(b) Excludes these plants licensed for operation which are shut down indefinitely	1. DRESDEN 1	200	(c) GRAND GULF 1 . . .	06/16/82 . . .	1250
		2. HUMBOLDT BAY	65	LA SALLE 2	12/16/83 . . .	1078
		3. TMI 2	906	WASH. NUC. 2	12/20/83 . . .	1103
				SUSQUEHANNA 2 . . .	03/23/84 . . .	1052

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
***** 1. GROSS ELECTRICAL (MWHE)	28,071,040	28,561,699	86,759,498
* POWER * 2. NET ELECTRICAL (MWHE)	26,815,802	27,259,288	82,864,433
* GENERATION * 3. AVG. UNIT SERVICE FACTOR (%)	61.4	69.6	67.1
***** 4. AVG. UNIT AVAILABILITY FACTOR (%)	61.4	69.6	67.1
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	59.6	65.8	65.0
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	58.2	64.1	63.3
7. FORCED OUTAGE RATE (%)	8.0	11.2	10.3

		% OF POTENTIAL PRODUCTION
***** 1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	26,815,802 NET	59.1
* ACTUAL VS. * 2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	13,018,511 MWHe	28.7
* POTENTIAL * 3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	3,812,682 MWHe	8.4
* ENERGY * 4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	1,757,838 MWHe	3.9
* PRODUCTION * POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)	45,404,832 MWHe	100.0% TOTAL
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	597,038 MWHe	
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS. MWHe	1 UNIT(S) WITH NRC RESTRICTION

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
***** 1. FORCED OUTAGES DURING REPORT PERIOD	36	4,270.7	7.4	3,812,682
* OUTAGE * 2. SCHEDULED OUTAGES DURING REPORT PERIOD.	35	17,907.2	30.9	13,018,511
* DATA * TOTAL	71	22,177.9	38.2	16,831,192

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

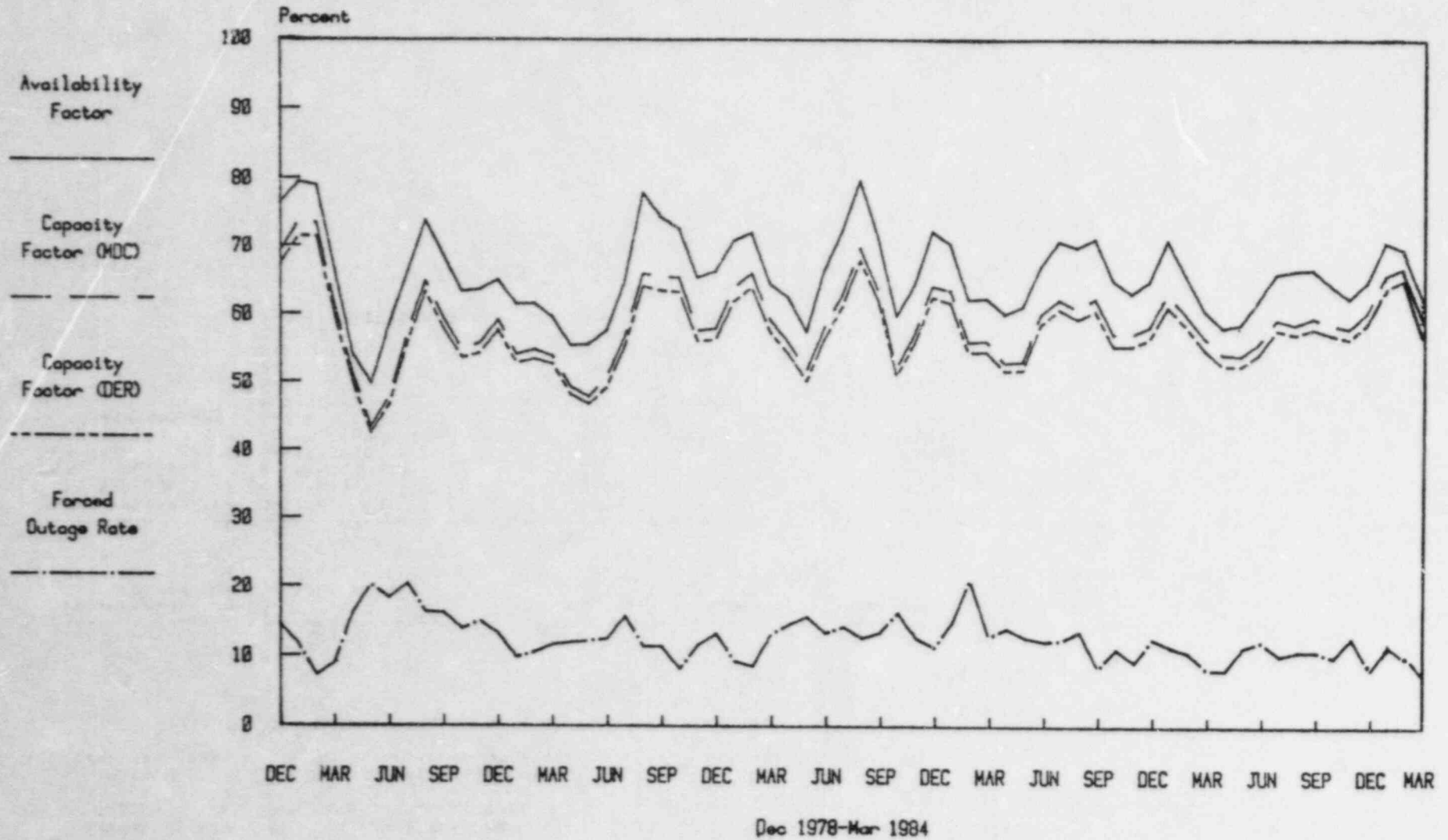
REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
A - Equipment Failure		26	3,059.9
B - Maintenance or Test		9	2,214.2
C - Refueling		25	14,711.9
D - Regulatory Restriction		2	766.9
E - Operator Training & License Examination		0	0.0
F - Administrative		1	286.7
G - Operational Error		0	0.0
H - Other		8	1,138.3
TOTAL		71	22,177.9

DERATED UNITS	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
BROWNS FERRY 2	65	650	Self-imposed
FORT ST VRAIN	330	280	NRC Restriction

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
ARKANSAS 1	B	BEAVER VALLEY 1	B	BIG ROCK POINT 1	A	BROWNS FERRY 3	C
BRUNSWICK 1	B	BRUNSWICK 2	C	CALVERT CLIFFS 1	A	COOK 2	C
DAVIS-BESSE 1	A	DRESDEN 3	C	FARLEY 1	C	FITZPATRICK	B
FORT CALHOUN 1	C	FORT ST VRAIN	C	GINNA	C	HATCH 1	A
HATCH 2	H	KEWAUNEE	C	LASALLE 1	B,F	MCGUIRE 1	C
MONTICELLO	C	NINE MILE POINT 1	C	OCONEE 3	C	OYSTER CREEK 1	C
PALISADES	C	PILGRIM 1	C	POINT BEACH 1	C	QUAD CITIES 1	C
RANCHO SECO 1	A	ROBINSON 2	C	SALEM 1	A	SALEM 2	A
SAN ONOFRE 1	B	SAN ONOFRE 2	H	SEQUOYAH 1	C	SUCIE 1	C
SUMMER 1	B	SURRY 1	H	SURRY 2	A	SUSQUEHANNA 1	A
THREE MILE ISLAND 1	D	TURKEY POINT 4	C	ZION 2	C		

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 83-31-84



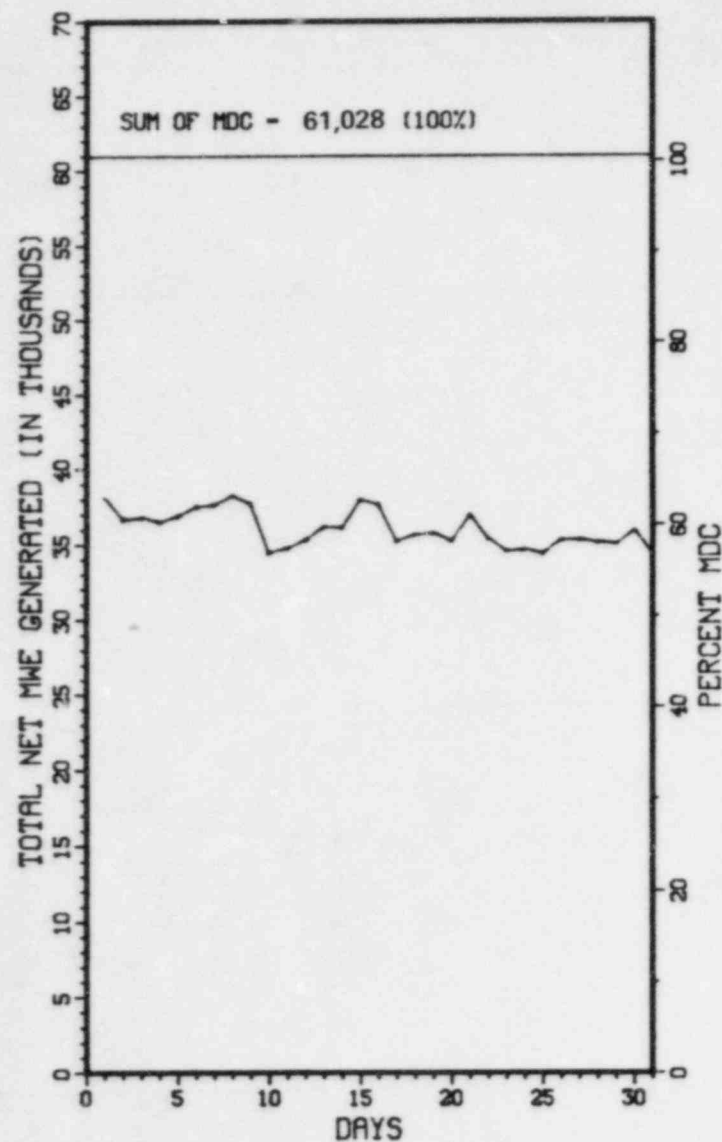
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

This chart depicts the average daily power level for the units in commercial operation during the month.

The straight line on the graph labelled "SUM OF MDC" is plotted at the value shown by summing the separate maximum dependable capacities of the commercially operating units (in Net MWe). The plot shown below the line is calculated by summing the separate average daily power levels of the same units for each day of the month.

The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

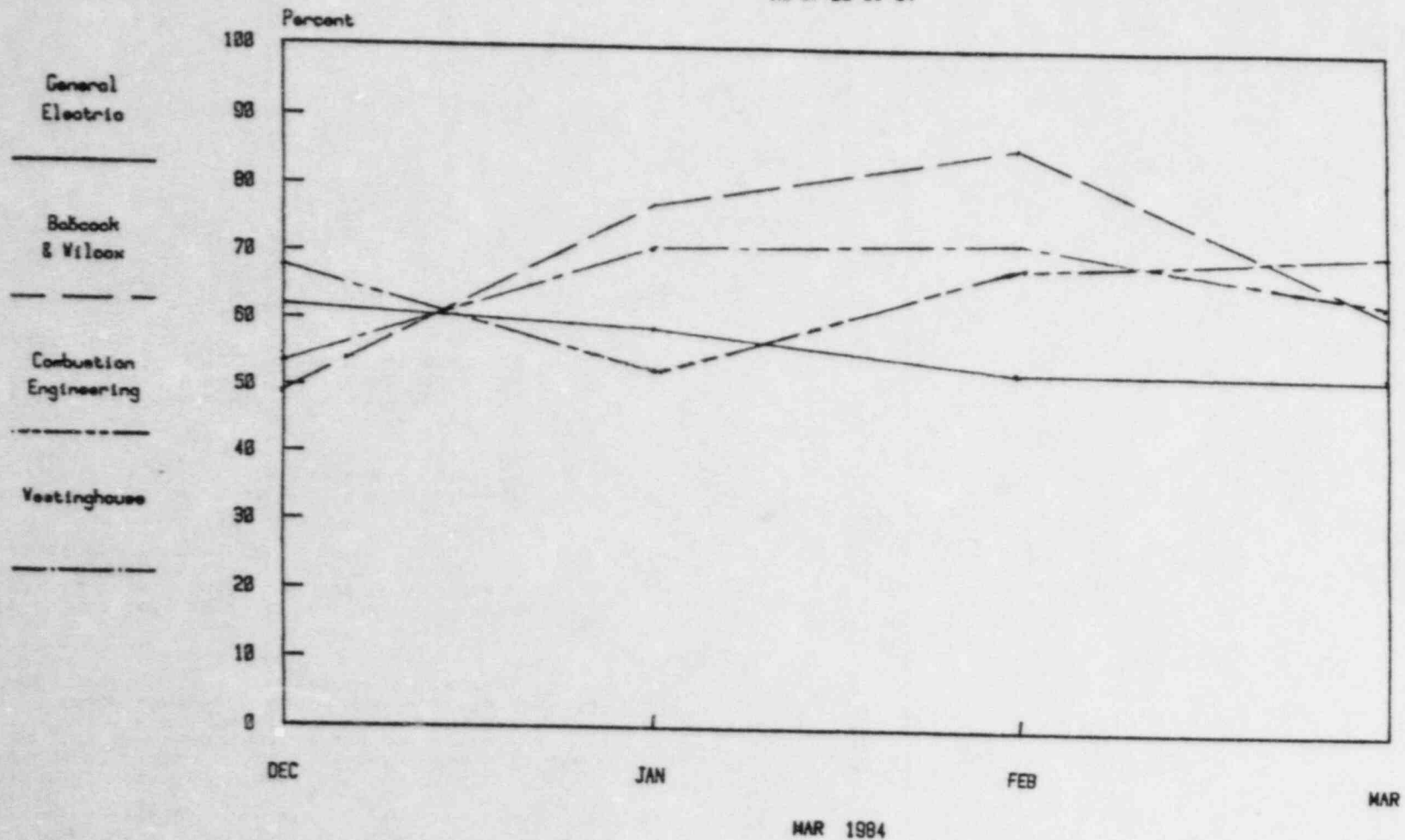
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also since 100% capacity production is not always required by power demands, the 100% line is a theoretical goal and not a practical one.



MARCH 1984

Vendor Average Capacity Factors

As of 03-31-84



NOTE: This display of average capacity factors provides a general performance comparison of plants supplied by the four nuclear steam supply system vendors. One must be careful when drawing conclusions regarding the reasons for the performance levels indicated, since plant performance may be affected by unspecified factors such as: (1) various plant designs and models are included for each vendor; (2) turbine/generators and (3) different architect/engineers are also involved.

Report Period MAR 1984

AVERAGE CAPACITY FACTORS BY VENDORS

***** CFMDC	CFMDC	CFMDC	CFMDC
* GENERAL * 94.6 BROWNS FERRY 1	63.1 BROWNS FERRY 2	0.0 BROWNS FERRY 3	72.2 BRUNSWICK 1
* ELECTRIC * 32.3 BRUNSWICK 2	86.5 COOPER STATION	95.5 DRESDEN 2	0.0 DRESDEN 3
***** 98.5 DUANE AKNOLD	30.8 FITZPATRICK	53.5 HATCH 1	0.0 HATCH 2
20.6 LASALLE 1	97.9 MILLSTONE 1	0.0 MONTICELLO	41.9 NINE MILE POINT 1
0.0 OYSTER CREEK 1	93.5 PEACH BOTTOM 2	102.1 PEACH BOTTOM 3	0.0 PILGRIM 1
13.9 QUAD CITIES 1	97.0 QUAD CITIES 2	26.1 SUSQUEHANNA 1	100.8 VERMONT YANKEE 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 45.9 ARKANSAS 1	94.1 CRYSTAL RIVER 3	73.2 DAVIS-BESSE 1	96.0 OCONEE 1
* WILCOX * 98.9 OCONEE 2	19.0 OCONEE 3	51.3 RANCHO SECO 1	0.0 THREE MILE ISLAND 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 92.4 ARKANSAS 2	85.3 CALVERT CLIFFS 1	101.8 CALVERT CLIFFS 2	4.2 FORT CALHOUN 1
* ENGINEERING * 84.3 MAINE YANKEE	96.8 MILLSTONE 2	0.0 PALISADES	81.2 SAN ONOFRE 2
***** 0.0 ST LUCIE 1	103.8 ST LUCIE 2		
***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE* 62.9 BEAVER VALLEY 1	95.1 COOK 1	30.0 COOK 2	0.0 FARLEY 1
***** 97.8 FARLEY 2	4.7 GINNA	99.9 HADDAM NECK	97.2 INDIAN POINT 2
91.7 INDIAN POINT 3	44.4 KEWAUNEE	0.0 MCGUIRE 1	91.0 MCGUIRE 2
101.3 NORTH ANNA 1	88.8 NORTH ANNA 2	0.0 POINT BEACH 1	98.6 POINT BEACH 2
103.6 PRAIRIE ISLAND 1	100.4 PRAIRIE ISLAND 2	0.0 ROBINSON 2	0.0 SALEM 1
77.7 SALEM 2	0.0 SAN ONOFRE 1	0.0 SEQUOYAH 1	99.6 SEQUOYAH 2
71.5 SUMMER 1	63.7 SURRY 1	46.9 SURRY 2	93.4 TROJAN
94.8 TURKEY POINT 3	14.3 TURKEY POINT 4	98.1 YANKEE-ROWE 1	93.0 ZION 1
71.7 ZION 2			

***** Units excluded are:
 * OTHER INFO * BIG ROCK POINT
 ***** DRESDEN 1
 FORT ST VRAIN
 HUMBOLDT BAY
 LACROSSE
 THREE MILE ISLAND 2

Capacity factor in this page, denoted as CFMDC, is a function of the net maximum dependable capacity. See the corresponding definition in the glossary. The vendor averages are computed by the formula:

$$\frac{\text{Net Electrical Energy Produced by Vendor}}{\text{Potential Electrical Production by Vendor in this Month}} \times 100\%$$

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	7,318,276	12,261,171	4,129,312	3,037,707	19,428,190
MDC NET.....	19,226	26,671	7,929	6,760	41,360
CFMDC.....	51.2	61.8	70.0	60.4	63.1

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

BIG ROCK POINT 1
CALVERT CLIFFS 1 & 2
FARLEY 1
FITZPATRICK
FORT CALHOUN 1
INDIAN POINT 2*
KEWAUNEE
OYSTER CREEK 1
POINT BEACH 1 & 2
THREE MILE ISLAND 1
TURKEY POINT 3 & 4

ITEM 22 & 23

GINNA
HADDAM NECK (CONNECTICUT YANKEE)
MAINE YANKEE
MILLSTONE 2
OCONEE 1, 2, & 3
YANKEE-ROWE 1

*COMPUTED SINCE 7/1/74, THE DATE OF COMPLETION OF A 100 DAY - 100% POWER OPERATION TEST.

THE FOLLOWING UNITS USE THE DATE OF FIRST ELECTRICAL GENERATION INSTEAD OF COMMERCIAL OPERATION,
FOR THEIR CUMULATIVE DATA:

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A
CORRECTIONS TO PREVIOUSLY REPORTED DATA

NOTE: THESE CHANGES ARE REFLECTED IN THE DATA CONTAINED IN THE CURRENT REPORT

Vol. 8, No. 2	San Onofre 1	Net Electrical Generated:	-2,530
Vol. 8, No. 2	St. Lucie 1	Net Electrical Generated:	-2,727
Vol. 8, No. 3	Millstone 2	Net Electrical Generated:	465,633

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 58-313 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: K. L. MORTON (501) 964-3155

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1003 X 0.9 = 903

6. Design Electrical Rating (Net MWe): 850

7. Maximum Dependable Capacity (Gross MWe): 883

8. Maximum Dependable Capacity (Net MWe): 836

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

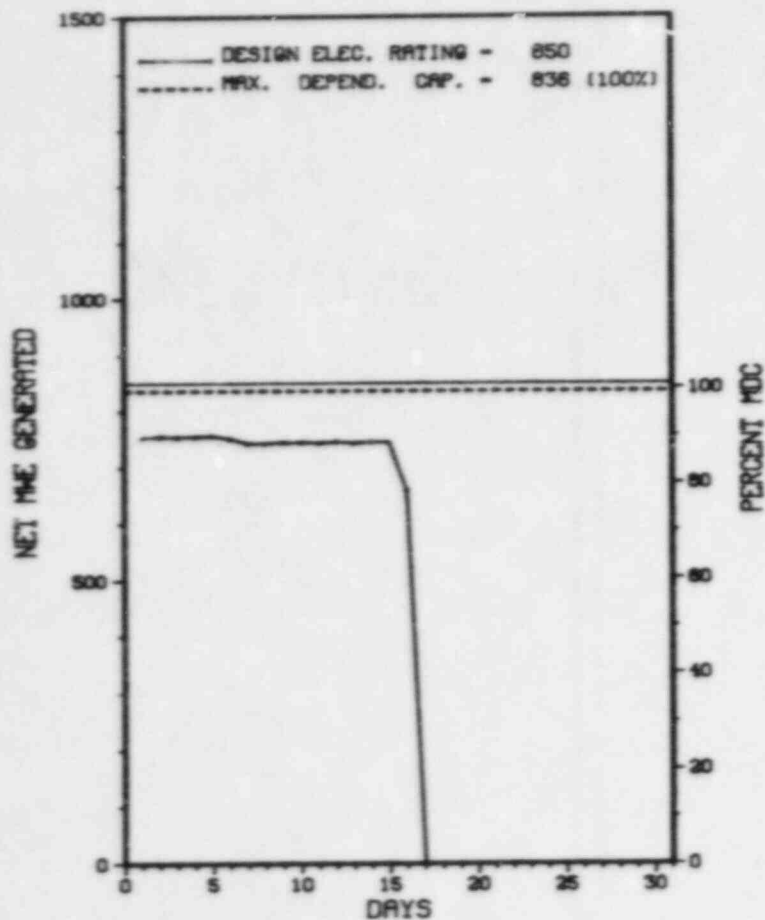
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>81,379.0</u>
13. Hours Reactor Critical	<u>382.7</u>	<u>1,822.7</u>	<u>54,258.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>382.7</u>	<u>1,822.7</u>	<u>53,072.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>900,019</u>	<u>4,449,652</u>	<u>126,369,949</u>
18. Gross Elec Ener (MWH)	<u>298,290</u>	<u>1,493,045</u>	<u>41,631,410</u>
19. Net Elec Ener (MWH)	<u>285,269</u>	<u>1,430,711</u>	<u>39,689,098</u>
20. Unit Service Factor	<u>51.4</u>	<u>83.5</u>	<u>65.2</u>
21. Unit Avail Factor	<u>51.4</u>	<u>83.5</u>	<u>66.2</u>
22. Unit Cap Factor (MDC Net)	<u>45.9</u>	<u>78.4</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>45.1</u>	<u>77.1</u>	<u>57.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>16.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,178.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>05/15/84</u>			

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	03/16/84	S	361.3	B	3		CC	HTEXCH	PLANNED SHUTDOWN FOR MID-CYCLE STEAM GENERATOR INSPECTI'N. A NORMAL POWER REDUCTION WAS IN PROGRESS WHEN A TRIP FR.M 17% POWER OCCURRED DUE TO A LOSS OF BOTH MAIN FEEDWATER PUMPS.

 * SUMMARY *

 ARKANSAS 1 SHUTDOWN ON MARCH 16TH FOR STEAM GENERATOR INSPECTION AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

 * ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

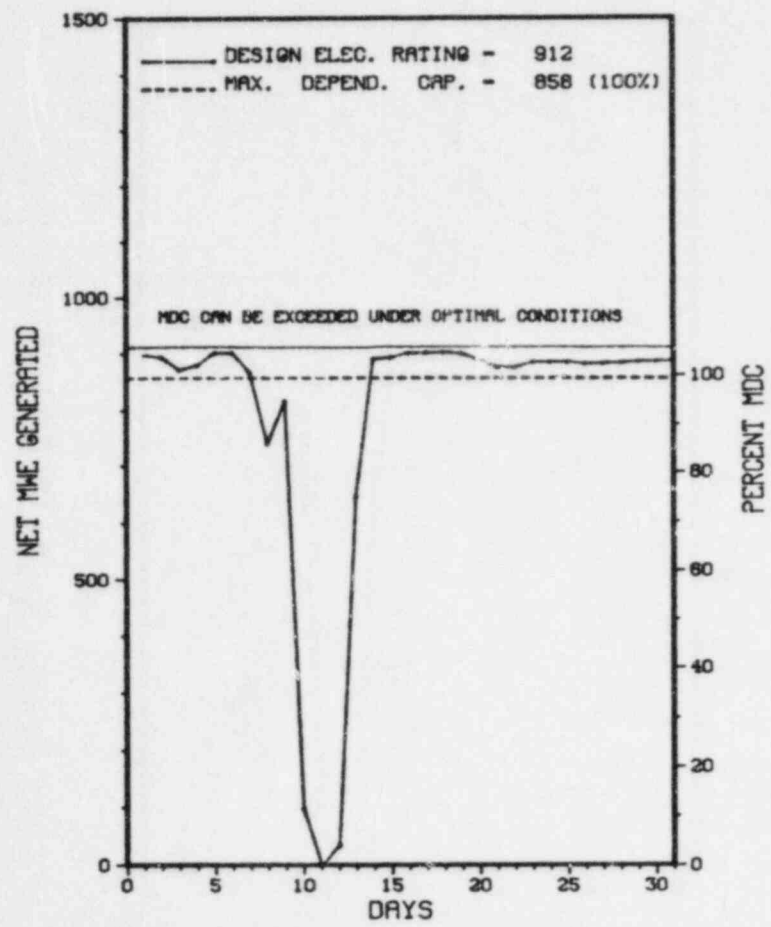
ARKANSAS 2

1. Docket: 50-368 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: LINDY BRAMLETT (501) 964-3145
4. Licensed Thermal Power (MWt): 2815
5. Nameplate Rating (Gross MWe): 943
6. Design Electrical Rating (Net MWe): 912
7. Maximum Dependable Capacity (Gross MWe): 897
8. Maximum Dependable Capacity (Net MWe): 858
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>35,208.0</u>
13. Hours Reactor Critical	<u>687.6</u>	<u>1,511.2</u>	<u>23,183.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>683.2</u>	<u>1,372.0</u>	<u>22,322.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,834,894</u>	<u>3,013,830</u>	<u>55,563,370</u>
18. Gross Elec Ener (MWH)	<u>617,280</u>	<u>998,740</u>	<u>18,015,691</u>
19. Net Elec Ener (MWH)	<u>589,509</u>	<u>947,045</u>	<u>17,153,385</u>
20. Unit Service Factor	<u>91.8</u>	<u>62.8</u>	<u>63.4</u>
21. Unit Avail Factor	<u>91.8</u>	<u>62.8</u>	<u>63.6</u>
22. Unit Cap Factor (MDC Net)	<u>92.4</u>	<u>50.5</u>	<u>56.8</u>
23. Unit Cap Factor (DER Net)	<u>86.9</u>	<u>47.5</u>	<u>53.4</u>
24. Unit Forced Outage Rate	<u>8.2</u>	<u>4.2</u>	<u>19.6</u>
25. Forced Outage Hours	<u>60.8</u>	<u>60.8</u>	<u>5,439.3</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: N/A



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	03/10/84	F	60.5	A	3				SHUTDOWN TO REPAIR AN RCS RTD.
84-02	03/12/84	F	0.3	A	9				TURBINE/GENERATOR LOAD LIMITING INDICATION FAILURE.

 * SUMMARY *

 ARKANSAS 2 OPERATED WITH 2 OUTAGES FOR EQUIPMENT FAILURE DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* ARKANSAS 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS
COUNTY.....POPE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI WNW OF
RUSSELLVILLE, AR
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 5, 1978
DATE ELEC ENER 1ST GENER...DECEMBER 26, 1978
DATE COMMERCIAL OPERATE...MARCH 26, 1980
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...DARDANELLE RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT
CORPORATE ADDRESS.....NINTH & LOUISIANA STREETS
LITTLE ROCK, ARKANSAS 72203
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....L. CALLAN
LICENSING PROJ MANAGER.....R. LEE
DOCKET NUMBER.....50-368
LICENSE & DATE ISSUANCE...NPF-6, SEPTEMBER 1, 1978
PUBLIC DOCUMENT ROOM.....ARKANSAS TECH UNIVERSITY
RUSSELLVILLE, ARKANSAS 72801

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION CONDUCTED JANUARY 1 - 31, 1984 (84-01): ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE, SURVEILLANCE, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORT FOLLOWUP, AND PLANT FOLLOWUP, AND PLANT STARTUP FROM REFUELING. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURAL REQUIREMENTS FOR COMPLETING JOB ORDER FORMS.).

INSPECTION CONDUCTED JANUARY 25, 1984 (84-03): SPECIAL ANNOUNCED INSPECTION TO DETERMINE THE STATUS OF ACTIONS TAKEN AS THE RESULTS OF A DISCREPANCY BETWEEN THE PUBLIC INFORMATION BROCHURE AND THE JANUARY 1984 TELEPHONE DIRECTORY FOR THE 10-MILE EMERGENCY PLANNING ZONE. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JANUARY 24-26, 1984 (84-04): ANNOUNCED, REACTIVE INSPECTION OF THE SECURITY ORGANIZATION PERSONNEL AND INSTRUCTION METHODS AS A RESULT OF AN ALLEGED COMPROMISE OF SAFEGUARDS INFORMATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JANUARY 26, 1984 (84-05): ROUTINE, ANNOUNCED INSPECTION TO DETERMINE THE STATUS OF THE REX-84 EXERCISE SCENARIO DEVELOPMENT. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 21-24, 1984 (84-06): ROUTINE, UNANNOUNCED INSPECTION OF THE ARKANSAS NUCLEAR ONE MAINTENANCE PROGRAM. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* ARKANSAS 2 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-0501 99X-0	11/9/83	3/7/84	ERRATIC PERFORMANCE OF DIESEL GENERATOR NO. 2
84-001	1/28/84	2/21/84	REACTOR TRIP DURING LOW-POWER PHYSICS TESTING DUE TO PROCEDURE DEFICIENCY.
84-002	1/29/84	2/21/84	WRONG TYPE II ADDRESSABLE CONSTANTS LOADED INTO CORE PROTECTION CALCULATOR DURING PHYSICS TESTING
84-003	1/30/84	3/5/84	ACTUATION OF THE MAIN STEAM ISOLATION SYSTEM DURING LOW-POWER OPERATION.
84-004	1/31/84	3/5/84	REACTOR TRIP ON LOW STEAM GENERATOR LEVEL DURING LOW POWER OPERATION.
84-005	2/10/84	3/11/84	IMPROPER FUNCTION OF THE CHANNEL A EXCORE DETECTOR SUBCHANNELS
84-006	2/21/84	3/20/84	CORE PROTECTION CALCULATOR CHANNEL D BYPASSED PRIOR TO COMPLETING ADDRESSABLE CONSTANT UPDATE ON CHANNEL C.

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1. Docket: 50-334 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: J. L. HOLTZ (412) 643-1367

4. Licensed Thermal Power (MWt): 2660

5. Nameplate Rating (Gross MWe): 1026 X 0.9 = 923

6. Design Electrical Rating (Net MWe): 835

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 810

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>69,408.0</u>
13. Hours Reactor Critical	<u>571.7</u>	<u>1,985.7</u>	<u>32,869.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>485.4</u>	<u>1,837.5</u>	<u>31,616.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,263,131</u>	<u>4,626,930</u>	<u>72,216,462</u>
18. Gross Elec Ener (MWH)	<u>409,000</u>	<u>1,500,500</u>	<u>22,929,440</u>
19. Net Elec Ener (MWH)	<u>378,810</u>	<u>1,420,415</u>	<u>21,309,213</u>
20. Unit Service Factor	<u>65.2</u>	<u>84.1</u>	<u>47.7</u>
21. Unit Avail Factor	<u>65.2</u>	<u>84.1</u>	<u>47.7</u>
22. Unit Cap Factor (MDC Net)	<u>62.9</u>	<u>80.3</u>	<u>41.4</u>
23. Unit Cap Factor (DER Net)	<u>61.0</u>	<u>77.9</u>	<u>40.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.6</u>	<u>29.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>87.9</u>	<u>17,765.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

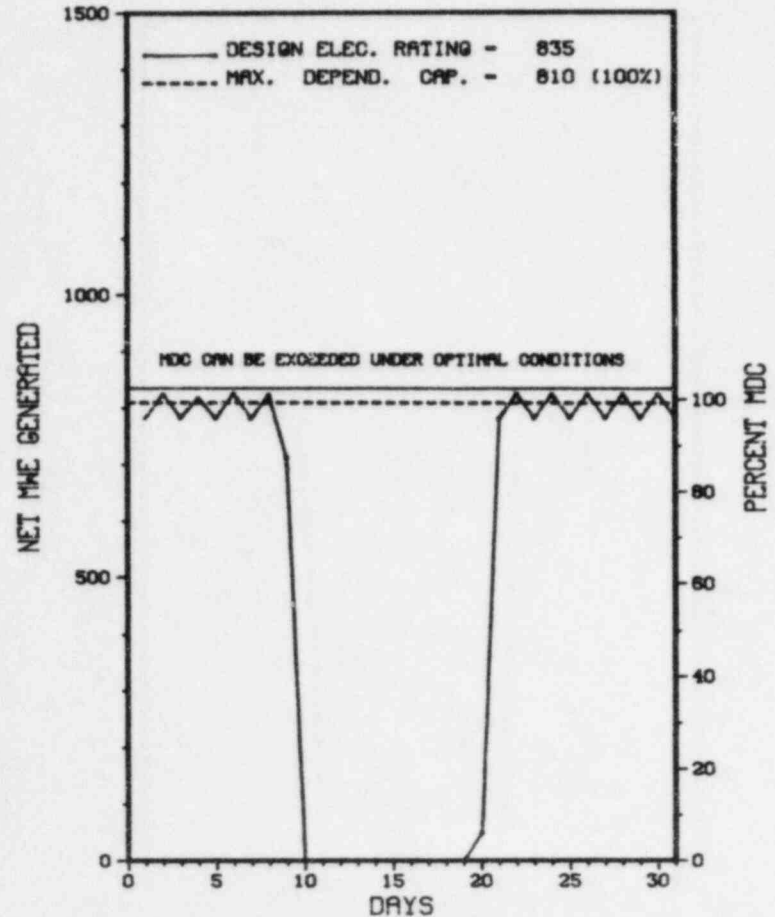
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	03/10/84	S	258.6	B	3	S4-15	CB	PIPEXX	THE STATION WAS TAKEN OFF-LINE AT 0000 HOURS ON THE 10TH TO REPAIR VARIOUS LEAKS ON THE LC REACTOR COOLANT LOOP AND PERFORM OTHER PLANT MAINTENANCE. AN ATTEMPT WAS MADE TO REPAIR THE LEAKS WHILE KEEPING THE REACTOR CRITICAL. IT SOON BECAME APPARENT, HOWEVER, THAT THE REACTOR COOLANT SYSTEM WOULD HAVE TO BE COOLED DOWN IN ORDER TO EFFECT THE NECESSARY REPAIRS.

 * SUMMARY *

 BEAVER VALLEY 1 OPERATED WITH 1 OUTAGE FOR MAINTENANCE DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....BEAVER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI E OF
E. LIVERPOOL, OH
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 10, 1976
DATE ELEC ENER 1ST GENER...JUNE 14, 1976
DATE COMMERCIAL OPERATE...OCTOBER 1, 1976
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...OHIO RIVER
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT
CORPORATE ADDRESS.....ONE OXFORD CENTRE, 301 GRANT STREET
PITTSBURGH, PENNSYLVANIA 15279
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. TROSKOSKI
LICENSING PROJ MANAGER.....P. TAM
DOCKET NUMBER.....50-334
LICENSE & DATE ISSUANCE...DPR-66, JULY 2, 1976
PUBLIC DOCUMENT ROOM.....B.F. JONES MEMORIAL LIBRARY
633 FRANKLIN AVENUE
ALIQUIPPA, PA 15001

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 4.0.5 AND DST 1.1.10, COLD SHUTDOWN VALVE EXERCISE TEST, ESTABLISHED TO CONDUCT ASME SECTION XI VALVE TESTING, DID NOT INCLUDE A FULL STROKE EXERCISE OF TV-CC-107 A, B, C WHEN PERFORMED DURING THE THIRD REFUELING OUTAGE (JUNE THRU SEPTEMBER 1983). CONTRARY TO ANSI N18.7, ADMINISTRATIVE CONTROLS FOR NUCLEAR POWER PLANTS, AS ENDORSED BY APPENDIX A, QUALITY ASSURANCE, OF THE BVPS UPDATED FINAL SAFETY ANALYSIS REPORT, MAINTENANCE SURVEILLANCE PROCEDURES (MSP 36.41 THRU 36.56) USED FOR PERFORMING TECHNICAL SPECIFICATION 3.3.2.1 CHANNEL FUNCTIONAL TESTING AND CALIBRATION OF ESF ACTUATION INSTRUMENTATION-LOSS OF POWER, DID NOT INCLUDE LIMITING CONDITIONS OR PREREQUISITES NECESSARY TO SIMULATE ABNORMAL CONDITIONS SPECIFIED BY THE ACTION STATEMENT RELATED TO THE SPECIFIC RELAY BEING TESTED.

(8329 4)

TWO VIOLATIONS CLASSIFIED IN AGGREGATE AS A LEVEL III PROBLEM: (1) CONTRARY TO T.S. TABLE 1.1 DEFINITION OF MODE 6 AS A CONDITION WHERE THE AVERAGE REACTOR COOLANT TEMPERATURE IS LESS THAN 140 F, THE COOLANT TEMP REACHED 180 F DUE TO AN INOPERABLE RHR SYSTEM; AND (2) CONTRARY TO A SERIES OF ADMIN CONTROLS, TWO OF THREE RIVER WATER PUMPS WERE IN THE PULL-TO-LOCK POSITION WITH THE REACTOR

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* BEAVER VALLEY 1 *

ENFORCEMENT SUMMARY

IN MODE 3.
(8401 3)

CONTRARY TO OPERATING PROCEDURES, RIVER WATER PUMP 1C WAS ELECTRICALLY ALIGNED TO THE 1AE EMERGENCY BUS WITHOUT CYCLING THE BREAKER CHARGING SPRINGS. CONSEQUENTLY, THE EMERGENCY PUMP WAS INOPERABLE FOR ABOUT 50 HOURS BEFORE DISCOVERY.
(8401 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

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1. Docket: 50-155 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: SUE AMSTUTZ (616) 347-6537

4. Licensed Thermal Power (MWt): 240

5. Nameplate Rating (Gross MWe): 70.6 X 0.85 = 60

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 69

8. Maximum Dependable Capacity (Net MWe): 64

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

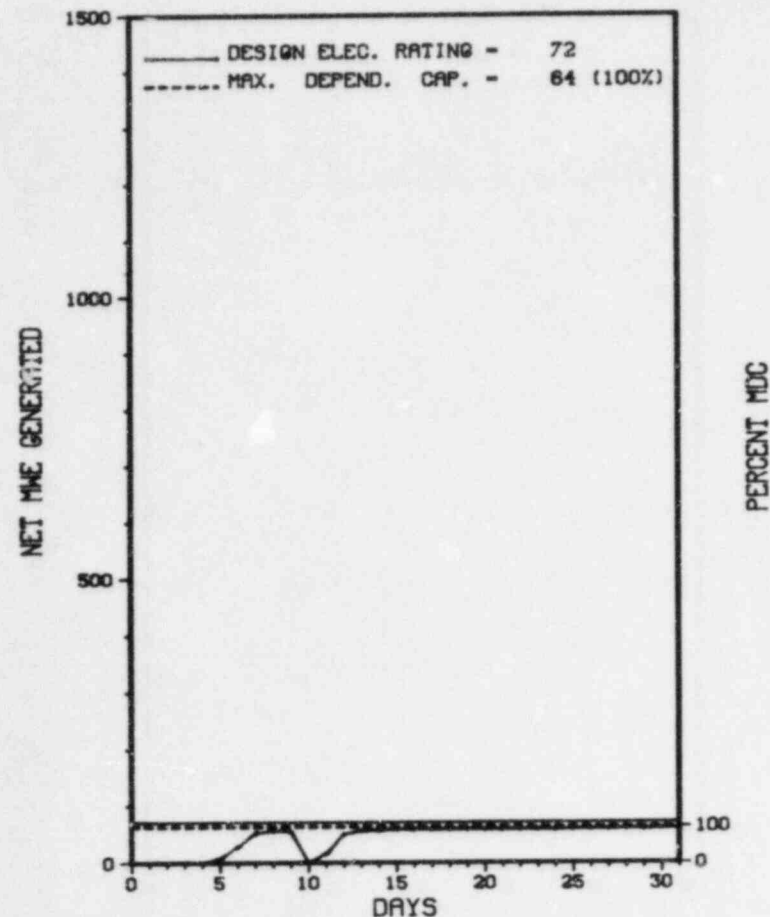
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>184,171.0</u>
13. Hours Reactor Critical	<u>656.1</u>	<u>1,835.2</u>	<u>129,545.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>617.9</u>	<u>1,794.7</u>	<u>127,087.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>111,579</u>	<u>339,156</u>	<u>23,825,047</u>
18. Gross Elec Ener (MWH)	<u>35,959</u>	<u>110,637</u>	<u>7,526,246</u>
19. Net Elec Ener (MWH)	<u>33,818</u>	<u>104,330</u>	<u>7,116,542</u>
20. Unit Service Factor	<u>83.1</u>	<u>82.2</u>	<u>69.0</u>
21. Unit Avail Factor	<u>83.1</u>	<u>82.2</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>71.0</u>	<u>74.6</u>	<u>57.6*</u>
23. Unit Cap Factor (DER Net)	<u>63.1</u>	<u>66.3</u>	<u>53.7</u>
24. Unit Forced Outage Rate	<u>16.9</u>	<u>17.8</u>	<u>17.0</u>
25. Forced Outage Hours	<u>126.1</u>	<u>389.3</u>	<u>10,289.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: N/A

* BIG ROCK POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	02/19/84	F	108.1	A	4		CB	VALVEX	STEAM LEAK IN THE PACKING OF A PRIMARY SYSTEM VALVE CAUSED THE INITIAL SHUTDOWN. SUBSEQUENT FAILURE OF THREE OUT OF FOUR REACTOR DEPRESSURIZATION VALVES REQUIRED ADDITIONAL REPAIRS AND TESTING PRIOR TO POWER ESCALATION.
84-02	03/10/84	F	18.0	A	1		CB	VALVEX	STEAM LEAK IN THE PACKING OF A PRIMARY SYSTEM INSTRUMENT ISOLATION VALVE.

 * SUMMARY *

 BIG ROCK POINT 1 OPERATED WITH 2 OUTAGES FOR EQUIPMENT FAILURE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* BIG ROCK POINT 1 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....CHARLEVOIX
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI NE OF
CHARLEVOIX, MICH
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 27, 1962
DATE ELEC ENER 1ST GENER...DECEMBER 8, 1962
DATE COMMERCIAL OPERATE...MARCH 29, 1963
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER
CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....G. WRIGHT
LICENSING PROJ MANAGER.....R. EMCH
DOCKET NUMBER.....50-155
LICENSE & DATE ISSUANCE...DPR-6, AUGUST 30, 1962
PUBLIC DOCUMENT ROOM.....CHARLEVOIX PUBLIC LIBRARY
107 CLINTON STREET
CHARLEVOIX, MICHIGAN 49720

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* BIG ROCK POINT 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: MARCH 17 - APRIL 20, 1984

INSPECTION REPORT NO: 84-02

R E P O R T S F R O M L I C E N S E E

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-01/	02/22/84	03/22/84	RDS ISOLATION VALVE FAILURE.

1. Docket: 50-259 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: TED THOM (205) 729-0834

4. Licensed Thermal Power (MWt): 3293

5. Nameplate Rating (Gross MWe): 1250 X 0.9 = 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>84,746.0</u>
13. Hours Reactor Critical	<u>733.7</u>	<u>1,942.2</u>	<u>51,748.6</u>
14. Rx Reserve Shtdwn Hrs	<u>10.2</u>	<u>25.3</u>	<u>6,009.9</u>
15. Hrs Generator On-Line	<u>715.3</u>	<u>1,855.6</u>	<u>50,573.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,279,594</u>	<u>5,268,558</u>	<u>143,826,237</u>
18. Gross Elec Ener (MWH)	<u>767,870</u>	<u>1,773,680</u>	<u>47,419,300</u>
19. Net Elec Ener (MWH)	<u>749,475</u>	<u>1,727,016</u>	<u>46,052,343</u>
20. Unit Service Factor	<u>96.1</u>	<u>85.0</u>	<u>59.7</u>
21. Unit Avail Factor	<u>96.1</u>	<u>85.0</u>	<u>59.7</u>
22. Unit Cap Factor (MDC Net)	<u>94.6</u>	<u>74.2</u>	<u>51.0</u>
23. Unit Cap Factor (DER Net)	<u>94.6</u>	<u>74.2</u>	<u>51.0</u>
24. Unit Forced Outage Rate	<u>3.9</u>	<u>13.8</u>	<u>23.5</u>
25. Forced Outage Hours	<u>28.7</u>	<u>296.6</u>	<u>15,521.3</u>

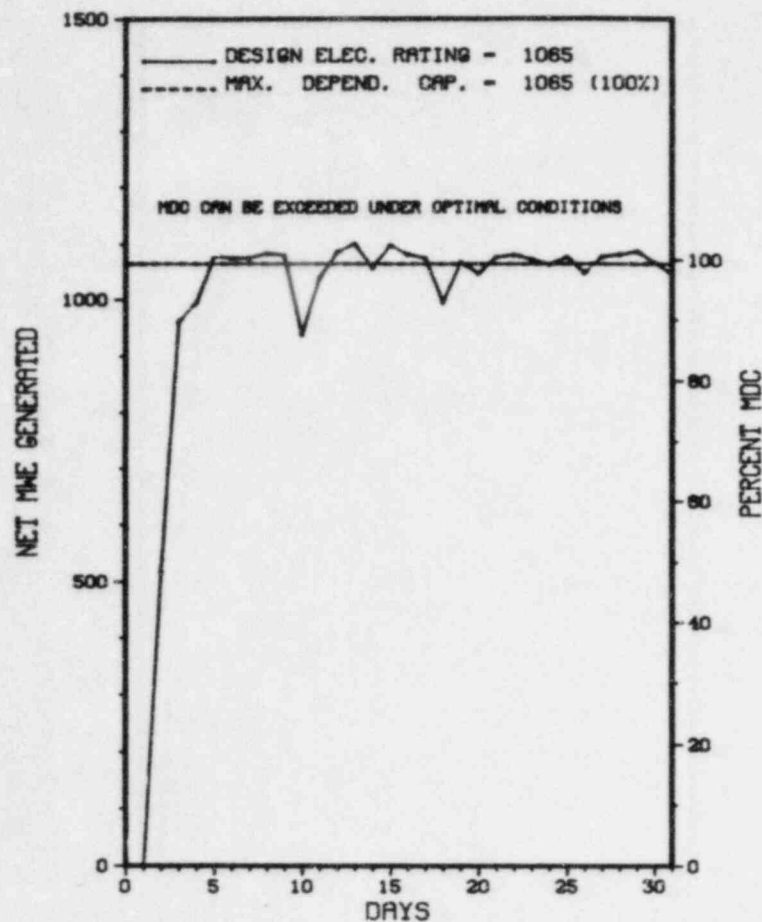
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
274	03/01/84	F	28.7	H	3				REACTOR SCRAM DUE TO POSSIBLE BUMPING OF PANEL 25-6A.
275	03/10/84	S	0.0	B	5				DERATED FOR RTI 23 (FEEDWATER CONTROL) AND TURBINE CV TESTS AND SI'S.
276	03/17/84	S	0.0	B	5				DERATED FOR TURBINE CONTROL VALVE TESTS AND SI'S, CONTROL ROD PATTERN ADJUSTMENT.

 * SUMMARY *

 BROWNS FERRY 1 OPERATED WITH 1 OUTAGE AND 2 REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	F-Admin	2-Manual Scram	Instructions for
	B-Maint or Test	3-Auto Scram	Preparation of
	C-Refueling	4-Continued	Data Entry Sheet
	D-Regulatory Restriction	5-Reduced Load	Licensee Event Report
	E-Operator Training	9-Other	(LER) File (NUREG-0161)
	& License Examination		

* BROWNS FERRY 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
 DECATUR, ALA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 17, 1973

DATE ELEC ENER 1ST GENER...OCTOBER 15, 1973

DATE COMMERCIAL OPERATE...AUGUST 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...TENNESSEE RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
 RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
 CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-259

LICENSE & DATE ISSUANCE...DPR-33, DECEMBER 20, 1973

PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
 SOUTH AND FORREST
 ATHENS, ALABAMA 35611

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 26, 1983 - JANUARY 25, 1984 (83-60): THIS ROUTINE INSPECTION INVOLVED 40 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE, MANAGEMENT CONTROLS, MAINTENANCE, PHYSICAL PROTECTION, TMI ITEM, REACTOR TRIPS, DRYWELL TO TORUS PRESSURE CONTROL, REPORTABLE OCCURRENCES, AND LUBRICATION OIL CONTROL. FIVE VIOLATIONS WERE IDENTIFIED. TWO VIOLATIONS WERE IDENTIFIED IN OPERATIONAL SAFETY AND THREE VIOLATIONS WERE IDENTIFIED IN THE DRYWELL TO TORUS PRESSURE CONTROL SECTION. (ONE OF THESE VIOLATIONS HAD TWO EXAMPLES.)

INSPECTION JANUARY 10-13 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRANSPORTATION, 10 CFR PART 61 IMPLEMENTATION, POSTING AND LABELING, PROCEDURE COMPLIANCE, TLD/POCKET CHAMBER MISMATCH EVALUATION, WHOLE BODY COUNT REPORTS AND ADMINISTRATION OF MULTIBADGING TLDs. OF THE SEVEN AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; FOUR APPARENT VIOLATIONS WERE FOUND IN FIVE AREAS.

INSPECTION JANUARY 30 - FEBRUARY 1 (84-05): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS ON SITE REGARDING FOLLOWUP OF OIE BULLETIN 81-03 FLOW BLOCKAGE OF COOLING WATER TO SAFETY COMPONENTS BY CORBINICULA SP. (ASIATIC CLAM) AND MYTILLUS SP. (MUSSEL). INSPECTION INCLUDED THE FOLLOWING, VIZ: REVIEW OF LICENSEE'S RESPONSES TO THE SUBJECT BULLETIN AND SUPPLEMENTAL QUESTIONS ISSUED BY THE NRC ON APRIL 10, 1981 AND JANUARY 21, 1984, RESPECTIVELY; REVIEW OF LER'S REGARDING THE SUBJECT BULLETIN; REVIEW OF LICENSEE PROCEDURES DETAILING FLOW VERIFICATION TESTS OF COOLING WATER SYSTEMS POTENTIALLY AFFECTED BY BIOFOULING AND SUBSEQUENT FLOW BLOCKAGE; REVIEW OF FLOW VERIFICATION TESTS AND DATA COMPILED DURING 1981 THROUGH JANUARY 1984. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAR 1984

INSPECTION STATUS - (CONTINUED)

* BROWNS FERRY 1 *

INSPECTION SUMMARY

ENFORCEMENT CONFERENCE FEBRUARY 24 (84-06): AN ENFORCEMENT CONFERENCE WAS HELD IN THE REGION II OFFICE. MR. JAMES P. O'REILLY OPENED THE MEETING BY PRESENTING NRC CONCERNS RELATED TO BYPASSING THE ROD SEQUENCE CONTROL SYSTEM WHILE SHUTTING DOWN (SEE INSPECTION REPORT NOS. 50-259/84-02, 50-250/84-02, AND 50-296/84-02 FOR DETAILS) AND THE ISOLATION OF THE DRYWELL TO SUPPRESSION POOL DIFFERENTIAL PRESSURE INSTRUMENT (SEE INSPECTION REPORT NOS. 50-259/83-60, 50-260/83-60, AND 50-296/83-60 FOR DETAILS). NRC EXPRESSED CONCERN IN THE AREAS OF PROPER DEFINITION OF THE ROOT CAUSES OF PROBLEMS, INADEQUATE PROCEDURES, LACK OF OPERATIONAL DISCIPLINE, LACK OF ASSURANCE OF NOTIFICATION TO PLANT PERSONNEL OF NRC ISSUED BULLETINS, NOTICES, CIRCULARS, ETC., AND OPERATOR TRAINING. TVA ALSO REQUESTED GUIDANCE ON OPERATOR REQUALIFICATION TRAINING AND THE BROWNS FERRY IMPROVEMENT PROGRAM.

INSPECTION JANUARY 26 - FEBRUARY 25 (84-07): THIS ROUTINE INSPECTION INVOLVED 42 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, LICENSEE FOLLOW-UP ON PREVIOUS INSPECTION ITEMS, CONTAINMENT ATMOSPHERE DILUTION, REPORTABLE OCCURRENCES, SURVEILLANCE, MAINTENANCE, PHYSICAL PROTECTION, TRIP REVIEW, AND ROSEMOUNT TRANSMITTERS. OF THE NINE AREAS INSPECTED, THERE WERE THREE VIOLATIONS AND ONE DEVIATION. THERE WAS ONE DEVIATION IN THE AREA OF "LICENSEE FOLLOW-UP" FOR FAILURE TO SUBMIT A FOLLOW-UP REPORT AS COMMITTED TO; THERE WAS ONE VIOLATION IN THE OPERATIONAL SAFETY AREA FOR USE OF INCORRECT KF FACTOR FOR DETERMINING MCPR; AND TWO VIOLATIONS IN THE AREA ON CONTAINMENT ATMOSPHERE DILUTION FOR LIMITING CONDITIONS FOR OPERATION VIOLATION AND FAILURE TO FOLLOW PROCEDURE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INTERGRANULAR STRESS CORROSION CRACKING (IGSCC) PROBLEMS IN RHR, CORE SPRAY AND OTHER PIPING HAS NECESSITATED WELD OVERLAY REPAIRS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: JANUARY 26 - FEBRUARY 25, 1984 +

INSPECTION REPORT NO: 50-259/84-07 +

Report Period MAR 1984

REPORTS FROM LICENSEE

 * BROWNS FERRY 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-071/ 03-L	12/12/83	01/10/84	A BROKEN VACUUM PUMP BELT ON REACTOR AND TURBINE BUILDING VENT MONITOR. THE CAUSE WAS NORMAL WEAR DUE TO CONTINUOUS OPERATION.
83-072/ 03-L	12/27/83	01/24/84	WIND SPEED RECORDER WAS OBSERVED TO BE INOPERABLE READING ZERO. ICE FORMATION ON THE WIND SPEED SENSOR.
83-073/ 01-T	12/31/83	01/16/84	A REACTOR COOLANT SAMPLE AT 0320 HOURS INDICATED A CHLORIDE CONCENTRATION OF 525 PPB. CONDUCTIVITY AND OFFGAS RADIATION LEVEL ALSO INCREASED WHILE PH DECREASED.
83-074/ 03-L	12/22/83	01/20/84	PLANT PERSONNEL DISCOVERED A DEGRADED FLOW CONDITION ON RADIATION MONITOR 1-RM-90-250. THE LOW FLOW CONDITION WAS CAUSED BY NORMAL WEAR AND DEGRADATION OF THE SAMPLE PUMP.
84-001/ --	01/03/84	01/23/84	RESIDUAL HEAT REMOVAL (RHR) PUMP 1D STARTED WITHOUT RECEIVING EITHER AN AUTOMATIC SIGNAL OR A MANUAL START SIGNAL.
84-002/ --	01/03/84	01/24/84	DURING UNIT STARTUP, ROUTINE SURVEILLANCE TESTING SHOWED THAT THE SETPOINT FOR PRESSURE SWITCHES PS-64-57A THROUGH D WERE NOT WITHIN LIMITS OF TECHNICAL SPECIFICATION 3.2.B.
84-003/ --	01/17/84	02/06/84	1 OF 3 TRAINS HAD FLOW BELOW DESIGN, DISCHARGE DAMPERS ON 'A' AND 'C' TRAINS WERE MISADJUSTED IN NONCONSERVATIVE DIRECTION.
84-004/ --	01/06/84	01/27/84	THE ROD NOTCH OVERRIDE (RONOR) SWITCH WAS USED TO INSERT RODS TO "00".
84-005/ --	01/22/84	02/13/84	THE SETPOINTS FOR PRESSURE SWITCHES PS-64-56B AND C WERE NOT WITHIN THE LIMITS OF TECHNICAL SPECIFICATION 3.2.A. THE SETPOINTS HAD DRIFTED.
84-007/ --	01/27/84	02/17/84	DECREASING PRESSURE ON THE CONTROL ATMOSPHERIC DILUTION TANKS. UPON INVESTIGATION IT WAS DETERMINED THAT THE TWO ISOLATION VALVES FOR MAINTAINING TANK PRESSURE WERE IN THE CLOSED POSITION.
84-008/ --	01/29/84	02/23/84	1 OR MORE PRESS. DIFFERENTIAL TRANSMITTERS FAILED IN DOWNSCALE. CAUSE IS UNKNOWN.
84-009/ --	01/30/84	02/17/84	THE FACTOR KF USED IN CALCULATIONS OF CRITICAL POWER RATIO (CPR) BY THE PROCESS COMPUTER WAS FOUND TO BE IN ERROR BY APPROXIMATELY 2.5% AT RECIRCULATION FLOWS.
84-011/ --	02/09/84	02/29/84	REACTOR SCRAMMED, DC COIL FAILURE IS A RANDOM FAILURE.
84-013/ --	02/13/84	03/02/84	AIR AND VACUUM RELEASE VALVES FOUND TO BE UNDERRATED FOR THEIR SERVICE APPLICATION.
84-014/ --	02/22/84	03/13/84	REACTOR SCRAMMED WHEN TURBINE HIGH-PRESSURE 1ST STAGE PRESSURE EXCEEDED 142 PSIG DUE TO PROCEDURAL ERROR.

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E - (CONTINUED)

* BROWNS FERRY 1 *

84-015/ 02/21/84 03/09/84

THE EMERGENCY EQUIPMENT COOLING WATER VACUUM PRIMING VALVE WAS NOT QUALIFIED FOR ITS APPLICATION. THE LONG TERM SOLUTION WILL BE TO REPLACE THE VALVE WITH A QUALIFIED ONE.

=====

1. Docket: 50-260 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: TED THOM (205) 729-0834

4. Licensed Thermal Power (Mwt): 3293

5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): 650

11. Reasons for Restrictions, If Any: _____

EXTEND FUEL CYCLE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>79,657.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,873.8</u>	<u>51,857.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>290.2</u>	<u>14,190.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,249.2</u>	<u>50,342.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,574,676</u>	<u>5,034,528</u>	<u>145,179,573</u>
18. Gross Elec Ener (MWH)	<u>511,890</u>	<u>1,651,179</u>	<u>48,248,458</u>
19. Net Elec Ener (MWH)	<u>499,613</u>	<u>1,606,188</u>	<u>46,864,791</u>
20. Unit Service Factor	<u>100.0</u>	<u>84.7</u>	<u>63.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>84.7</u>	<u>63.2</u>
22. Unit Cap Factor (MDC Net)	<u>63.1</u>	<u>65.1</u>	<u>55.2</u>
23. Unit Cap Factor (DER Net)	<u>63.1</u>	<u>69.1</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.2</u>	<u>24.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>233.8</u>	<u>16,288.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

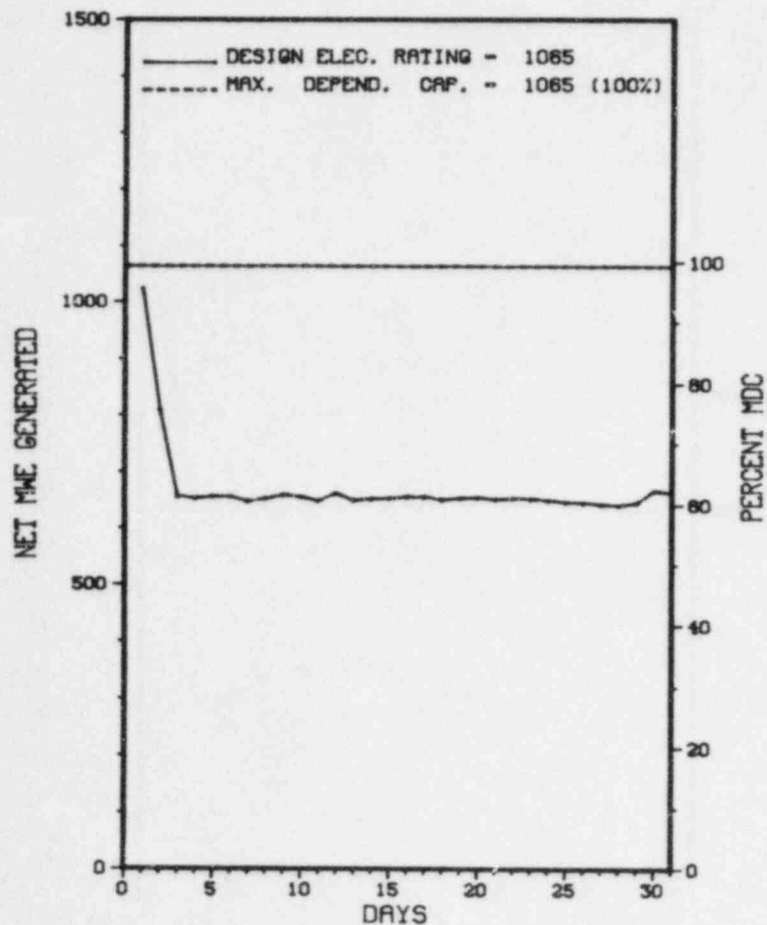
JULY 1984 - REFUELING.

27. If Currently Shutdown Estimated Startup Date: N/A

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 2 *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

* SUMMARY *

BROWNS FERRY 2 OPERATED ROUTINELY DURING MARCH.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* BROWNS FERRY 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
 DECATUR, ALA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 20, 1974

DATE ELEC ENER 1ST GENER...AUGUST 28, 1974

DATE COMMERCIAL OPERATE...MARCH 1, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
 RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
 CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER....R. CLARK
DOCKET NUMBER.....50-260

LICENSE & DATE ISSUANCE...DPR-52, AUGUST 2, 1974

PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
 SOUTH AND FORREST
 ATHENS, ALABAMA 35611

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION DECEMBER 26, 1983 - JANUARY 25, 1984 (83-60): THIS ROUTINE INSPECTION INVOLVED 40 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE, MANAGEMENT CONTROLS, MAINTENANCE, PHYSICAL PROTECTION, TMI ITEM, REACTOR TRIPS, DRYWELL TO TORUS PRESSURE CONTROL, REPORTABLE OCCURRENCES, AND LUBRICATION OIL CONTROL. FIVE VIOLATIONS WERE IDENTIFIED. TWO VIOLATIONS WERE IDENTIFIED IN OPERATIONAL SAFETY AND THREE VIOLATIONS WERE IDENTIFIED IN THE DRYWELL TO TORUS PRESSURE CONTROL SECTION. (ONE OF THESE VIOLATIONS HAD TWO EXAMPLES.)

INSPECTION JANUARY 10-13 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRANSPORTATION, 10 CFR PART 61 IMPLEMENTATION, POSTING AND LABELING, PROCEDURE COMPLIANCE, TLD/POCKET CHAMBER MISMATCH EVALUATION, WHOLE BODY COUNT REPORTS AND ADMINISTRATION OF MULTIBADGING TLDS. OF THE SEVEN AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; FOUR APPARENT VIOLATIONS WERE FOUND IN FIVE AREAS.

INSPECTION JANUARY 30 - FEBRUARY 1 (84-05): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS ON SITE REGARDING FOLLOWUP OF OIE BULLETIN 81-03 FLOW BLOCKAGE OF COOLING WATER TO SAFETY COMPONENTS BY CORBINICULA SP. (ASIATIC CLAM) AND MYTILLUS SP. (MUSSEL). INSPECTION INCLUDED THE FOLLOWING, VIZ: REVIEW OF LICENSEE'S RESPONSES TO THE SUBJECT BULLETIN AND SUPPLEMENTAL QUESTIONS ISSUED BY THE NRC ON APRIL 10, 1981 AND JANUARY 21, 1984, RESPECTIVELY; REVIEW OF LER'S REGARDING THE SUBJECT BULLETIN; REVIEW OF LICENSEE PROCEDURES DETAILING FLOW VERIFICATION TESTS OF COOLING WATER SYSTEMS POTENTIALLY AFFECTED BY BIOFOULING AND SUBSEQUENT FLOW BLOCKAGE; REVIEW OF FLOW VERIFICATION TESTS AND DATA COMPILED DURING 1981 THROUGH JANUARY 1984. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

ENFORCEMENT CONFERENCE FEBRUARY 24 (84-06): AN ENFORCEMENT CONFERENCE WAS HELD IN THE REGION II OFFICE. MR. JAMES P. O'REILLY OPENED THE MEETING BY PRESENTING NRC CONCERNS RELATED TO BYPASSING THE ROD SEQUENCE CONTROL SYSTEM WHILE SHUTTING DOWN (SEE INSPECTION REPORT NOS. 50-259/84-02, 50-260/84-02, AND 50-296/84-02 FOR DETAILS) AND THE ISOLATION OF THE DRYWELL TO SUPPRESSION POOL DIFFERENTIAL PRESSURE INSTRUMENT (SEE INSPECTION REPORT NOS. 50-259/83-60, 50-260/83-60, AND 50-296/83-60 FOR DETAILS). NRC EXPRESSED CONCERN IN THE AREAS OF PROPER DEFINITION OF THE ROOT CAUSES OF PROBLEMS, INADEQUATE PROCEDURES, LACK OF OPERATIONAL DISCIPLINE, LACK OF ASSURANCE OF NOTIFICATION TO PLANT PERSONNEL OF NRC ISSUED BULLETINS, NOTICES, CIRCULARS, ETC., AND OPERATOR TRAINING. TVA ALSO REQUESTED GUIDANCE ON OPERATOR REQUALIFICATION TRAINING AND THE BROWNS FERRY IMPROVEMENT PROGRAM.

INSPECTION JANUARY 26 - FEBRUARY 25 (84-07): THIS ROUTINE INSPECTION INVOLVED 43 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, LICENSEE FOLLOW-UP ON PREVIOUS INSPECTION ITEMS, CONTAINMENT ATMOSPHERE DILUTION, REPORTABLE OCCURRENCES, SURVEILLANCE, MAINTENANCE, PHYSICAL PROTECTION, TRIP REVIEW, AND ROSEMOUNT TRANSMITTERS. OF THE NINE AREAS INSPECTED, THERE WERE THREE VIOLATIONS AND ONE DEVIATION. THERE WAS ONE DEVIATION IN THE AREA OF "LICENSEE FOLLOW-UP" FOR FAILURE TO SUBMIT A FOLLOW-UP REPORT AS COMMITTED TO; THERE WAS ONE VIOLATION IN THE OPERATIONAL SAFETY AREA FOR USE OF INCORRECT KF FACTOR FOR DETERMINING MCPR; AND TWO VIOLATIONS IN THE AREA ON CONTAINMENT ATMOSPHERE DILUTION FOR LIMITING CONDITIONS FOR OPERATION VIOLATION AND FAILURE TO FOLLOW PROCEDURE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 25 - FEBRUARY 25, 1984 +

INSPECTION REPORT NO: 50-260/84-07 +

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* BROWNS FERRY 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-078/ 03-L	12/07/83	01/06/84	THE RHR CROSSTIE CONNECTION FOR UNIT 2 WAS ISOLATED, DUE TO MAINTENANCE ACTIVITIES ON THE RHR SYSTEM ON UNITS 1 AND 3, RHR CROSSTIE CONNECTIONS FOR UNIT 2 WERE MADE INOPERABLE.
83-079/ 03-L	12/12/83	01/11/84	4.2.B-1, "INSTRUMENTATION THAT INITIATE OR CONTROL THE CSCS, REACTOR LOW WATER LEVEL", WAS NOT PERFORMED WITHIN THE MAXIMUM FREQUENCY INTERVAL SPECIFIED IN THE TECHNICAL SPECIFICATION.
83-080/ 03-L	12/14/83	01/12/84	RPS-HIGH WATER LEVEL IN SCRAM DISCHARGE TANK, WAS FOUND TO OPERATE IN 76 SECONDS. THE ROSEMOUNT 1153 TRANSMITTER WAS REPLACED.
83-082/ 03-L	12/23/83	01/19/84	RECIRCULATION PUMP 2A TRIPPED DUE TO ACTUATION OF RELAY 2A-K21A NEUTRAL OVERVOLTAGE. THE INSULATION OF THE C PHASE CONDUCTOR IN CABLE 2PP1005 HAD BEEN PREVIOUSLY COUGED.
83-083/ 03-L	12/29/83	01/27/84	THE HYDROGEN ANALYZER 'B' HYDROGEN SAMPLE INLET PUMP WAS DISCOVERED TO BE INOPERABLE. METAL BELLOWS CORP. MOTOR, FAILED DUE TO A SEIZED BEARING.
83-084/ 03-L	12/29/83	01/27/84	EMERGENCY EQUIPMENT COOLING WATER PUMP BECAME RESTRICTED BY DEBRIS AND ALL FLOW WAS LOST TO THE NORTH EECW HEADER. THE LOSS OF THE EECW PUMP STRAINER WAS CAUSED BY DEBRIS.
84-001/ --	01/08/84	01/27/84	RCIC FAILED TO REACH RATED FLOW IN THE REQUIRED 30 SECONDS. THE OFFSET VOLTAGE SIGNAL WAS NOT WITHIN SPECIFIED CALIBRATION LIMITS, SETPOINT DRIFT.
84-002/ --	01/21/84	02/08/84	OPERATOR DID NOT INSURE 'B' CHANNEL PRIMARY CONTAINMENT ISOLATION, SYSTEM WAS RESET BEFORE TESTING 'C' CHANNEL.
84-004/ --	02/22/84	03/15/84	REACTOR SCRAMMED DUE TO A HIGH FLUX SPIKE.

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1. Docket: 50-296 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: TED THOM (205) 729-0834

4. Licensed Thermal Power (Mwt): 3293

5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>62,112.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>43,088.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,878.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>42,194.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>126,285,520</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>41,597,620</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>40,376,156</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>67.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>67.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>61.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>61.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,091.4</u>

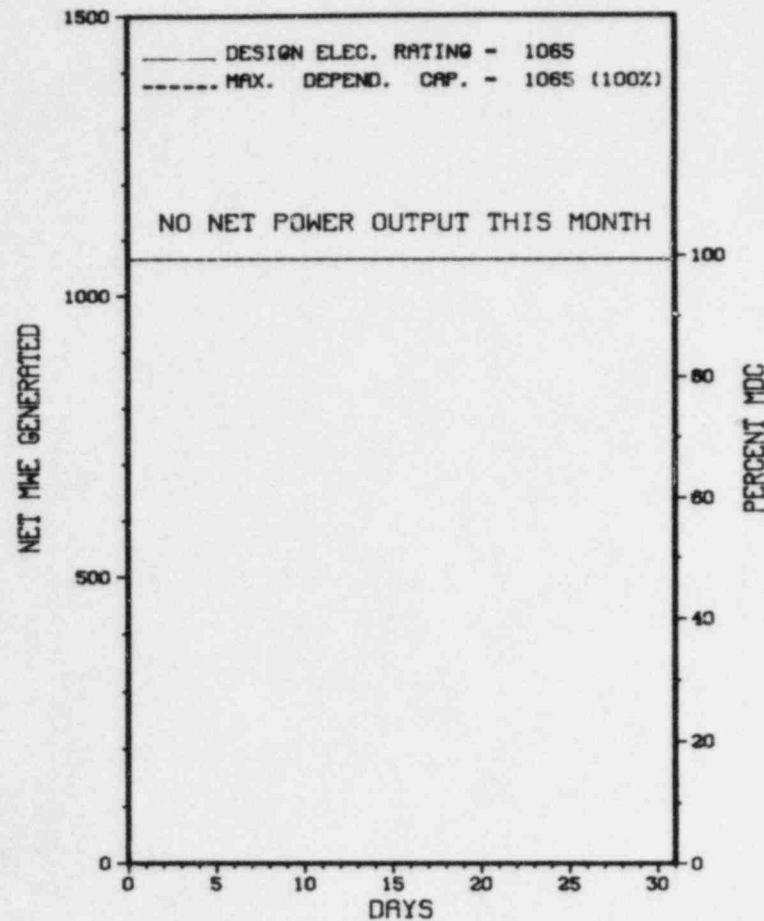
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 08/01/84

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY '3



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
140	09/07/83	S	744.0	C	4				EOC-5 REFUEL OUTAGE CONTINUES.

* SUMMARY *

BROWNS FERRY 3 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE
OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* BROWNS FERRY 3 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
 DECATUR, ALA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 8, 1976

DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1976

DATE COMMERCIAL OPERATE...MARCH 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...TENNESSEE RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
 RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
 CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-296

LICENSE & DATE ISSUANCE...DPR-68, AUGUST 18, 1976

PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
 SOUTH AND FORREST
 ATHENS, ALABAMA 35611

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION DECEMBER 26, 1983 - JANUARY 25, 1984 (83-60): THIS ROUTINE INSPECTION INVOLVED 40 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE, MANAGEMENT CONTROLS, MAINTENANCE, PHYSICAL PROTECTION, TMI ITEM, REACTOR TRIPS, DRYWELL TO TORUS PRESSURE CONTROL, REPORTABLE OCCURRENCES, AND LUBRICATION OIL CONTROL. FIVE VIOLATIONS WERE IDENTIFIED. TWO VIOLATIONS WERE IDENTIFIED IN OPERATIONAL SAFETY AND THREE VIOLATIONS WERE IDENTIFIED IN THE DRYWELL TO TORUS PRESSURE CONTROL SECTION. (ONE OF THESE VIOLATIONS HAD TWO EXAMPLES.)

INSPECTION JANUARY 10-13 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRANSPORTATION, 10 CFR PART 61 IMPLEMENTATION, POSTING AND LABELING, PROCEDURE COMPLIANCE, TLD/POCKET CHAMBER MISMATCH EVALUATION, WHOLE BODY COUNT REPORTS AND ADMINISTRATION OF MULTIBADGING TLDs. OF THE SEVEN AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; FOUR APPARENT VIOLATIONS WERE FOUND IN FIVE AREAS.

INSPECTION JANUARY 30 - FEBRUARY 1 (84-05): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 7 INSPECTOR-HOURS ON SITE REGARDING FOLLOWUP OF OIE BULLETIN 81-03 FLOW BLOCKAGE OF COOLING WATER TO SAFETY COMPONENTS BY CORBINICULA SP. (ASIATIC CLAM) AND MYTILLUS SP. (MUSSEL). INSPECTION INCLUDED THE FOLLOWING, VIZ: REVIEW OF LICENSEE'S RESPONSES TO THE SUBJECT BULLETIN AND SUPPLEMENTAL QUESTIONS ISSUED BY THE NRC ON APRIL 10, 1981 AND JANUARY 21, 1984, RESPECTIVELY; REVIEW OF LER'S REGARDING THE SUBJECT BULLETIN; REVIEW OF LICENSEE PROCEDURES DETAILING FLOW VERIFICATION TESTS OF COOLING WATER SYSTEMS POTENTIALLY AFFECTED BY BIOFOULING AND SUBSEQUENT FLOW BLOCKAGE; REVIEW OF FLOW VERIFICATION TESTS AND DATA COMPILED DURING 1981 THROUGH JANUARY 1984. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* BROWNS FERRY 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-001/ --	01/03/84	01/23/84	THE OPERATOR OBSERVED THE DIESEL GENERATOR OVERHEATING. EMERGENCY EQUIPMENT COOLING WATER (EECW) SYSTEM, WAS BEING BLOCKED BY CLAM SHELLS. THE APPARENT CAUSE WAS OVERCHLORINATION.
84-002/ --	01/25/84	02/16/84	THE REACTOR OPERATOR RECEIVED SECONDARY CONTAINMENT ISOLATION ALARMS FOR REACTOR ZONE VENTILATION AND REFUELING FLOOR VENTILATION AND GROUP 6 ISOLATION VALVE CLOSURE.
84-003/ --	01/29/84	02/22/84	AN ATTEMPT WAS MADE TO TRANSFER 4-KV START BUS 1B FROM ITS ALTERNATE FEED TO ITS NORMAL FEED. THE NORMAL FEEDER BREAKER FAILED TO CLOSE.
84-004/ --	02/28/84	03/14/84	THE RESIDUAL HEAT REMOVAL (RHR) OUTBOARD LOOP II ISOLATION VALVE STEM WAS FOUND TO BE BROKEN. THE VALVE STEM IS MADE OF 410 STAINLESS STEEL AND WILL BE REPLACED WITH 17-4 PH STAINLESS STEEL.

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1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: FRANCES HARRISON (919) 457-9521

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 963 x 0.9 = 867

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>61,705.0</u>
13. Hours Reactor Critical	<u>585.2</u>	<u>1,948.0</u>	<u>38,346.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>567.8</u>	<u>1,903.8</u>	<u>35,992.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,319,848</u>	<u>4,492,362</u>	<u>72,919,648</u>
18. Gross Elec Ener (MWH)	<u>437,255</u>	<u>1,503,436</u>	<u>24,050,484</u>
19. Net Elec Ener (MWH)	<u>424,522</u>	<u>1,462,944</u>	<u>23,076,775</u>
20. Unit Service Factor	<u>76.3</u>	<u>87.2</u>	<u>58.3</u>
21. Unit Avail Factor	<u>76.3</u>	<u>87.2</u>	<u>58.3</u>
22. Unit Cap Factor (MDC Net)	<u>72.2</u>	<u>84.8</u>	<u>47.3</u>
23. Unit Cap Factor (DER Net)	<u>69.5</u>	<u>81.6</u>	<u>45.6</u>
24. Unit Forced Outage Rate	<u>.2</u>	<u>5.2</u>	<u>20.2</u>
25. Forced Outage Hours	<u>1.0</u>	<u>105.0</u>	<u>9,024.2</u>

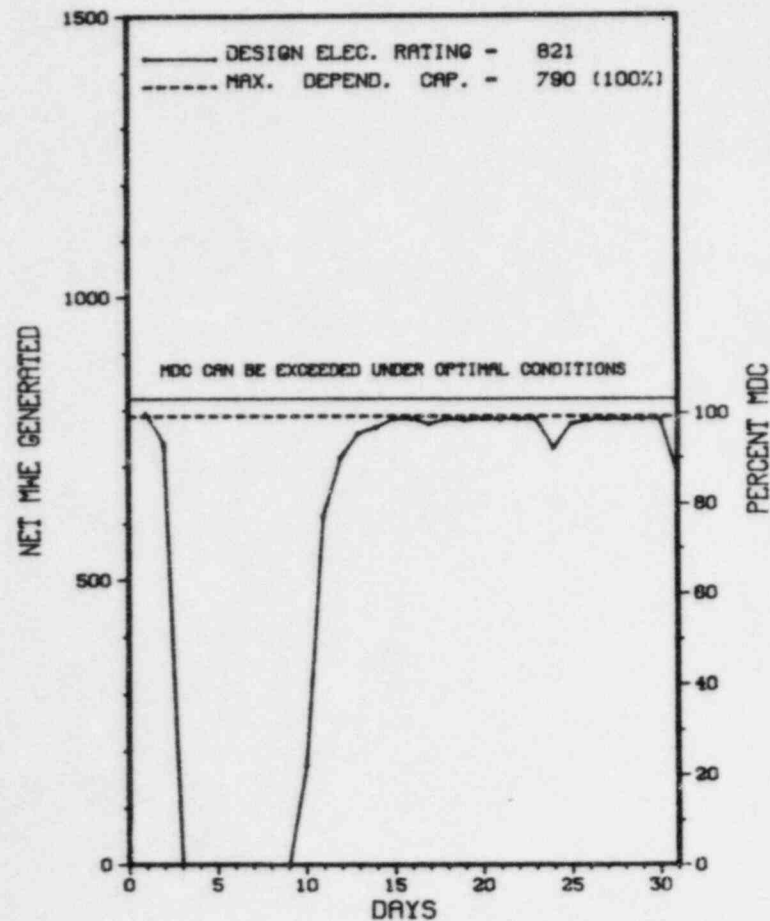
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 04/05/84

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-017	03/03/84	S	175.2	B	1		CB	PUMPXX	OUTAGE-1B RX RECIRC PUMP SEAL REPLACEMENT. TWO STAGE MECHANICAL SEAL ON THE 1B REACTOR RECIRC PUMP WAS REPLACED WITH A NEW ASSEMBLY.
84-019	03/11/84	S	0.0	B	5				REDUCED POWER 60% FOR ROD IMPROVEMENT.
84-021	03/24/84	S	0.0	B	5		ZZ	ZZZZZZ	REDUCED POWER FOR ROUTINE VALVE TESTING AND SPE WORK.
84-025	03/31/83	F	1.0	H	3		ZZ	VALVEX	RX SCRAM-LOSS OF INSTRUMENT AIR TO RADWASTE WHICH RESULTED IN CFD EFFLUENT VALVES TO GO SHUT AND THE BYPASS FAILURE TO OPEN.

 * SUMMARY *

 BRUNSWICK 1 OPERATED WITH 2 OUTAGES AND 2 REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* BRUNSWICK 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....BRUNSWICK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3 MI N OF
SOUTHPORT, NC
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 8, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 4, 1976
DATE COMMERCIAL OPERATE...MARCH 18, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE FEAR RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....P. O. BOX 1551
RALEIGH, NORTH CAROLINA 27602
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BROWN & ROOT
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. MYERS
LICENSING PROJ MANAGER.....S. MACKAY
DOCKET NUMBER.....50-325
LICENSE & DATE ISSUANCE...DPR-71, NOVEMBER 12, 1976
PUBLIC DOCUMENT ROOM.....SOUTHPORT-BRUNSWICK COUNTY LIBRARY
108 W. MOORE STREET
SOUTHPORT, NORTH CAROLINA 28461

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 6-10 (84-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 45 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; TRAINING; REQUALIFICATION TRAINING; QA PROGRAM ADMINISTRATION; DESIGN PROGRAM; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; AUDITS; OFFSITE SUPPORT STAFF; AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6-10 (84-02): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF DESIGN, INSTALLATION AND OPERABILITY OF THE POST ACCIDENT SAMPLING SYSTEM; INSPECTION OF INSPECTOR FOLLOWUP ITEMS; POSTING, LABELING AND CONTROL; OUTAGE PLANNING; ALARA; REPORTS TO INDIVIDUALS; RADWASTE GENERATION; AND IMPROVED INPLANT IODINE MONITORING. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 21-24 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF STARTUP TESTING FOLLOWING REFUELING, STARTUP FOLLOWING A REACTOR SCRAM AND A PLANT TOUR. OF THE 3 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 15 - FEBRUARY 15 (84-04): THIS ROUTINE SAFETY INSPECTION INVOLVED 101 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION, PLANT TRANSIENTS, FIRE PROTECTION, IEB 84-01. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* BRUNSWICK 1 *

INSPECTION SUMMARY

INSPECTION MARCH 19-23 (84-06): THIS INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD; 8 HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. INCLUDED REVIEW OF SECURITY ORGANIZATION-PERSONNEL AND RESPONSE; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 14 AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 19-23, 1984 +

INSPECTION REPORT NO: 50-325/84-06 +

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* BRUNSWICK 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
79-056/ 93-L	08/08/79	01/31/84	MAIN STEAM LINE HI RAD MONITOR 'B' OUT OF TOLERANCE, DUE TO INSTRUMENT DRIFT.
83-030/ 03-L	12/21/83	01/17/84	MEASURED SPECIFIC GRAVITY OF THE PILOT CELL FOR DIVISION I BATTERY 1A-1 WAS 1.178.
83-050/ 03-L	12/12/83	01/11/84	RHR SYSTEM FLOW INDICATION SIGNAL CONVERTER COULD NOT BE CALIBRATED DUE TO A FLUCTUATING INSTRUMENT OUTPUT SIGNAL. A COLD SOLDER JOINT CAUSED THE EVENT.
83-060/ 03-L	12/17/83	01/16/84	REMOTE SHUTDOWN PANEL REACTOR VESSEL PRESSURE INDICATOR, SHOWED A PRESSURE OF 860 PSI WHILE REDUNDANT CONTROL ROOM INSTRUMENTATION SHOWED AN EXPECTED PRESSURE OF 990 PSI.
83-062/ 03-L	12/06/83	01/05/84	EXHAUST VENTILATION RADIATION HIGH INSTRUMENT ACTUATED AT A SETPOINT OF 13 MR/HR VERSUS THE SPECIFIED ACTUATION SETPOINT OF LESS THAN OR EQUAL TO 11 MR/HR.
83-064/ 03-L	12/28/83	01/17/84	THE SQUARE ROOT INTEGRATOR WAS FUNCTIONING OUT OF CALIBRATION TOLERANCES. THIS EVENT WAS CAUSED BY INSTRUMENT DRIFT OF THE FYQ-K603 SQUARE ROOT TRANSMITTER (SIT) CARD.
84-001/ --	01/19/84	03/09/84	LOOP PUMPS A AND C RAN FOR 5 SECONDS AND TRIPPED ON LOW SUCTION PRESSURE LOCKOUT DUE TO AIR IN LOOP SUCTION HEADER.
84-002/ --	02/03/84	03/02/84	UNIT #1 REACTOR SCRAM OCCURRED DUE TO HIGH REACTOR VESSEL PRESSURE.
84-003/ --	02/19/84	03/14/84	SPEED CONTROL OF THE HPCI TURBINE WAS VERY ERRATIC. THE HPCI TURBINE ELECTRONIC SPEED CONTROLLER WAS FOUND TO BE NOT FUNCTIONING PROPERLY.

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1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: FRANCES HARRISON (919) 457-9521

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 963 X 0.9 = 867

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>73,729.0</u>
13. Hours Reactor Critical	<u>265.9</u>	<u>1,604.3</u>	<u>46,331.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>265.9</u>	<u>1,566.9</u>	<u>43,352.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>610,832</u>	<u>3,355,120</u>	<u>81,931,834</u>
18. Gross Elec Ener (MWH)	<u>200,061</u>	<u>1,110,430</u>	<u>27,220,128</u>
19. Net Elec Ener (MWH)	<u>190,052</u>	<u>1,071,207</u>	<u>26,098,825</u>
20. Unit Service Factor	<u>35.7</u>	<u>71.7</u>	<u>58.8</u>
21. Unit Avail Factor	<u>35.7</u>	<u>71.7</u>	<u>58.8</u>
22. Unit Cap Factor (MDC Net)	<u>32.3</u>	<u>62.1</u>	<u>44.8</u>
23. Unit Cap Factor (DER Net)	<u>31.1</u>	<u>59.7</u>	<u>43.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>17.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>35.5</u>	<u>9,638.9</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

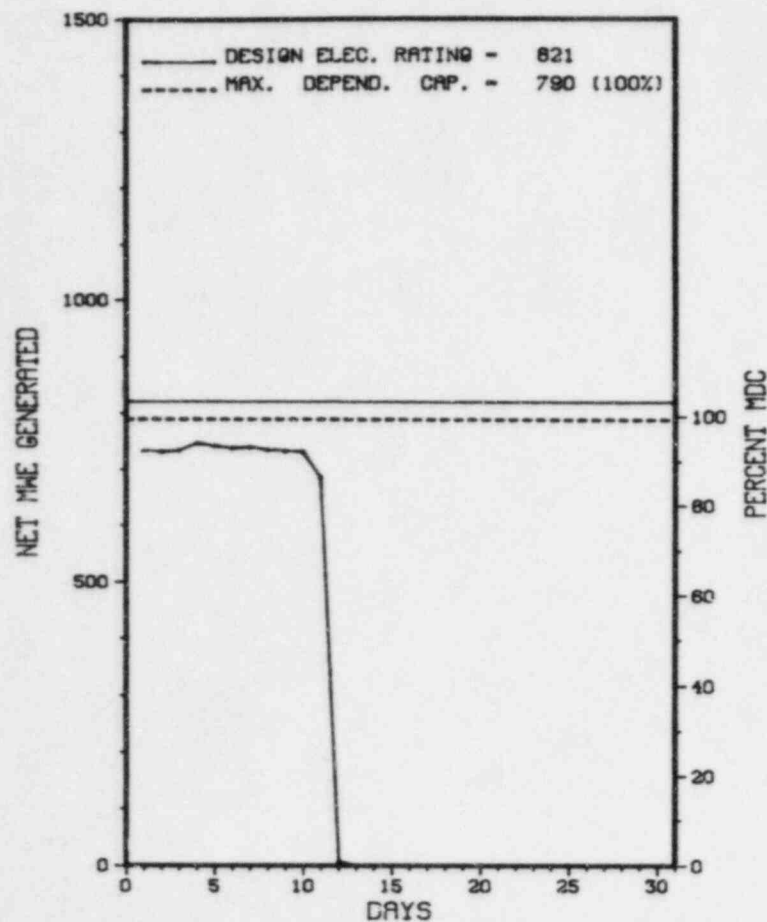
NONE

27. If Currently Shutdown Estimated Startup Date: 10/16/84

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-020	03/13/84	S	478.1	C	1		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE COMMENCED.

* SUMMARY *

BRUNSWICK 1 ENTERED A REFUELING OUTAGE DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* BRUNSWICK 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....BRUNSWICK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3 MI N OF
SOUTHPORT, NC
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 20, 1975
DATE ELEC ENER 1ST GENER...APRIL 29, 1975
DATE COMMERCIAL OPERATE...NOVEMBER 3, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE FEAR RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27602
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BROWN & ROOT
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. MYERS
LICENSING PROJ MANAGER.....S. MACKAY
DOCKET NUMBER.....50-324
LICENSE & DATE ISSUANCE...DPR-62, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....SOUTHPORT-BRUNSWICK COUNTY LIBRARY
108 W. MOORE STREET
SOUTHPORT, NORTH CAROLINA 28461

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 6-10 (84-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 45 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; TRAINING; REQUALIFICATION TRAINING; QA PROGRAM ADMINISTRATION; DESIGN PROGRAM; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; AUDITS; OFFSITE SUPPORT STAFF; AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6-10 (84-02): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF DESIGN, INSTALLATION AND OPERABILITY OF THE POST ACCIDENT SAMPLING SYSTEM; INSPECTION OF INSPECTOR FOLLOWUP ITEMS; POSTING, LABELING AND CONTROL; OUTAGE PLANNING; ALARA; REPORTS TO INDIVIDUALS; RADWASTE GENERATION; AND IMPROVED INPLANT IODINE MONITORING. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 21-24 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF STARTUP TESTING FOLLOWING REFUELING, STARTUP FOLLOWING A REACTOR SCRAM AND A PLANT TOUR. OF THE 3 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 15 - FEBRUARY 15 (84-04): THIS ROUTINE SAFETY INSPECTION INVOLVED 102 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION, PLANT TRANSIENTS, FIRE PROTECTION, IEB 84-01. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* BRUNSWICK 2 *

INSPECTION SUMMARY

INSPECTION MARCH 19-23 (84-06): THE INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD; 8 HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. INCLUDED REVIEW OF SECURITY ORGANIZATION-PERSONNEL AND RESPONSE; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 14 AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 19-23, 1984 +

INSPECTION REPORT NO: 50-324/84-06 +

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* BRUNSWICK 2 *

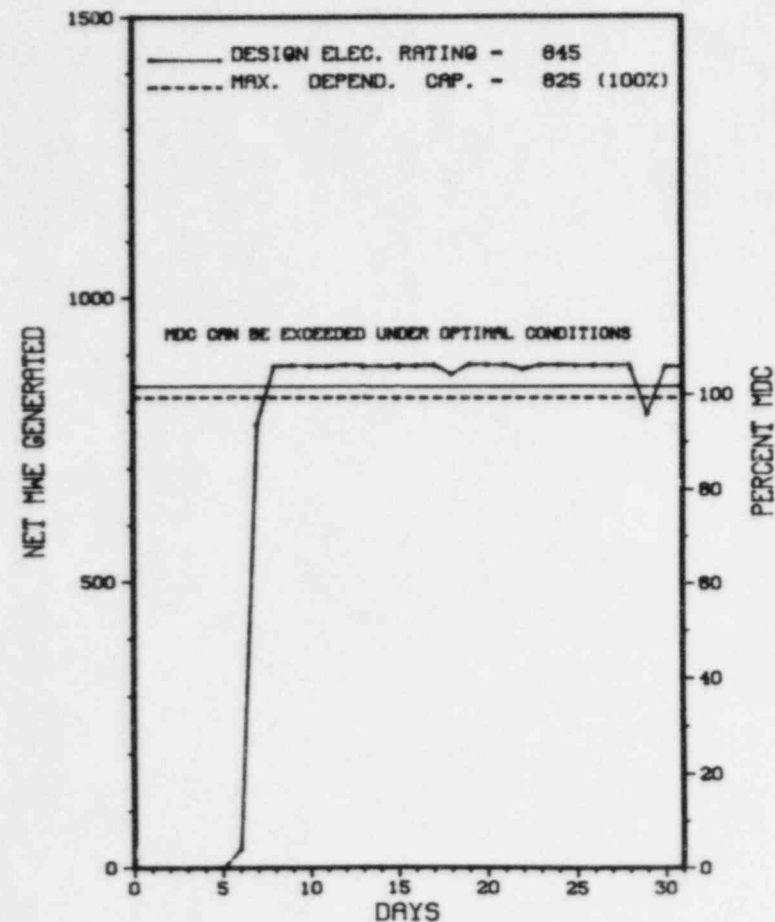
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-092/ 03-L	12/19/83	01/16/84	CONTROL ROD DRIVE SYSTEM ACCUMULATOR LEAK DETECTION INSTRUMENTATION CALIBRATION AND FUNCTIONAL TEST REVEALED THE ACCUMULATOR LEAK DETECTION INSTRUMENTS DID NOT RESPOND.
83-096/ 03-L	12/26/83	02/03/84	FIRE HOSE STATIONS 2-AOG-57 THROUGH 62 INOPERABLE DUE TO VALVE BODY CRACK-RUPTURING OF AOG FIRE PROT STANDPIPE SYSTEM VALVE.
83-113/ 03-L	12/11/80	02/22/84	PRIMARY CONTAINMENT ATMOSPHERIC CONTROL INERTING INLET ISOLATION VALVE, HAD DUAL OPEN-CLOSE POSITION INDICATION. THE CAUSE WAS DETERMINED TO BE A DEFECTIVE LIMIT SWITCH.
84-002/ --	01/29/84	03/02/84	D/G OUTPUT BREAKER 125 VDC NORMAL CONTROL POWER BREAKER DEENERGIZED.
84-003/ --	--	--	NORMAL WEAR SUPPLY FEEDER TO EMERGENCY BUS E-4 AUTO OPENED DUE TO A BUS UNDERVOLTAGE.

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 * CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



MARCH 1984

1. Docket: 50-317 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: EVELYN BEWLEY (301) 787-5365
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 1020 X 0.9 = 918
6. Design Electrical Rating (Net MWe): 845
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 825
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>78,013.0</u>
13. Hours Reactor Critical	<u>618.4</u>	<u>2,013.9</u>	<u>61,980.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,887.9</u>
15. Hrs Generator On-Line	<u>607.5</u>	<u>1,997.1</u>	<u>60,743.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,620,646</u>	<u>5,240,193</u>	<u>149,432,488</u>
18. Gross Elec Ener (MWH)	<u>547,785</u>	<u>1,810,454</u>	<u>49,237,939</u>
19. Net Elec Ener (MWH)	<u>523,596</u>	<u>1,734,680</u>	<u>46,969,646</u>
20. Unit Service Factor	<u>81.7</u>	<u>91.4</u>	<u>77.9</u>
21. Unit Avail Factor	<u>81.7</u>	<u>91.4</u>	<u>77.9</u>
22. Unit Cap Factor (MDC Net)	<u>85.3</u>	<u>96.3</u>	<u>73.9*</u>
23. Unit Cap Factor (DER Net)	<u>83.3</u>	<u>94.0</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>18.3</u>	<u>8.6</u>	<u>7.5</u>
25. Forced Outage Hours	<u>136.5</u>	<u>186.9</u>	<u>4,849.7</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	02/28/84	F	136.5	A	4		CB	PUMPXX	DUE TO LOSS OF TWO CHARGING PUMPS AND REPAIR LEAKING PRESSURIZER SAFETY VALVE.

* SUMMARY *

CALVERT CLIFFS 1 RETURNED ONLINE MARCH 6TH FROM A CONTINUING REPAIR OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* CALVERT CLIFFS 1 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND
COUNTY.....CALVERT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI S OF
ANNAPOLIS, MD
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 7, 1974
DATE ELEC ENER 1ST GENER...JANUARY 3, 1975
DATE COMMERCIAL OPERATE....MAY 8, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHESAPEAKE BAY
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC
CORPORATE ADDRESS.....P.O. BOX 1475
BALTIMORE, MARYLAND 21203
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. ARCHITZEL
LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-317
LICENSE & DATE ISSUANCE...DPR-53, JULY 31, 1974
PUBLIC DOCUMENT ROOM.....CALVERT COUNTY LIBRARY
FOURTH STREET
PRINCE FREDERICK, MARYLAND 20678

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT, IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CORRECTIVE ACTION IS TAKEN TO PRECLUDE REPETITION. CONTRARY TO THE ABOVE, DURING THE PERIOD OF AUGUST 8, 1982 TO NOVEMBER 28, 1983, SUFFICIENT MEASURES WERE NOT ESTABLISHED TO ASSURE THAT CORRECTIVE ACTION WOULD BE TAKEN TO PREVENT RECURRENCE OF EXCESSIVE PRESSURIZER PRESSURE TRANSMITTER (TRANSMITTERS I-PT-102A, B, C, AND D) CALIBRATION DRIFT. (8331 4)

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX A OF THE REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. SECTION C OF APPENDIX A TO REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 RECOMMENDS PROCEDURES FOR STARTUP, OPERATION, AND SHUTDOWN OF SAFETY RELATED PRESSURIZED WATER REACTOR SYSTEMS. CONTRARY TO THE ABOVE PLANT PROCEDURES FOR OPERATION OF THE SAFETY RELATED AUXILIARY FEEDWATER (AFW) SYSTEM WERE NOT ADEQUATELY ESTABLISHED IN THAT INITIATION OF AN ALTERNATE MEANS OF AFW PUMP ROOM COOLING WAS NOT REQUIRED FOLLOWING THE LOSS OF NORMAL ROOM AIR CONDITIONING FOR OTHER THAN LOSS OF AC POWER CONDITIONS.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* CALVERT CLIFFS 1 *

ENFORCEMENT SUMMARY

(8331 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-318 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: EVELYN BEWLEY (310) 787-5365

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1012 X 0.9 = 911

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>61,368.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,184.0</u>	<u>52,111.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>958.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,184.0</u>	<u>51,299.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,995,055</u>	<u>5,773,913</u>	<u>127,615,606</u>
18. Gross Elec Ener (MWH)	<u>652,581</u>	<u>1,897,883</u>	<u>41,967,169</u>
19. Net Elec Ener (MWH)	<u>625,072</u>	<u>1,817,597</u>	<u>40,021,359</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>83.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>83.6</u>
22. Unit Cap Factor (MDC Net)	<u>101.8</u>	<u>100.9</u>	<u>79.6*</u>
23. Unit Cap Factor (DER Net)	<u>99.4</u>	<u>98.5</u>	<u>77.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,045.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

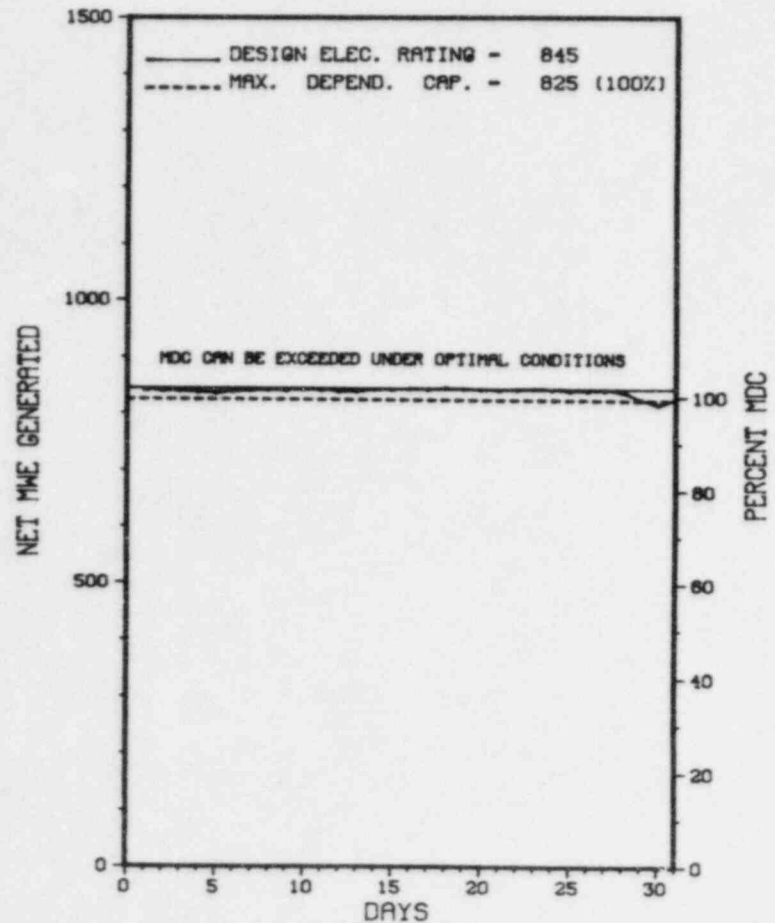
REFUELING & UNIT GENERAL INSPECTION-4/84 - 10 WKS.

27. If Currently Shutdown Estimated Startup Date: N/A

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
-----	------	------	-------	--------	--------	------------	------------------	---

NONE

* SUMMARY *

CALVERT CLIFFS 2 OPERATED ROUTINELY DURING THE REPORT PERIOD.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND
COUNTY.....CALVERT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI S OF
ANNAPOLIS, MD
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 30, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 7, 1976
DATE COMMERCIAL OPERATE...APRIL 1, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHESAPEAKE BAY
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC
CORPORATE ADDRESS.....P.O. BOX 1475
BALTIMORE, MARYLAND 21203
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. ARCHITZEL
LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-318
LICENSE & DATE ISSUANCE...DPR-69, NOVEMBER 30, 1976
PUBLIC DOCUMENT ROOM.....CALVERT COUNTY LIBRARY
FOURTH STREET
PRINCE FREDERICK, MARYLAND 20678

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* CALVERT CLIFFS 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-315 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: W. T. GILLET (616) 465-5901

4. Licensed Thermal Power (MWt): 3250

5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152

6. Design Electrical Rating (Net MWe): 1030

7. Maximum Dependable Capacity (Gross MWe): 1056

8. Maximum Dependable Capacity (Net MWe): 1020

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>81,072.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,007.1</u>	<u>59,625.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,992.9</u>	<u>58,336.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWh)	<u>2,279,795</u>	<u>5,962,957</u>	<u>170,044,571</u>
18. Gross Elec Ener (MWh)	<u>749,350</u>	<u>1,962,040</u>	<u>55,888,330</u>
19. Net Elec Ener (MWh)	<u>721,900</u>	<u>1,888,530</u>	<u>53,768,870</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.3</u>	<u>73.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.3</u>	<u>73.8</u>
22. Unit Cap Factor (MDC Net)	<u>95.1</u>	<u>84.8</u>	<u>66.7</u>
23. Unit Cap Factor (DER Net)	<u>94.2</u>	<u>84.0</u>	<u>63.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.8</u>	<u>7.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>191.1</u>	<u>4,271.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

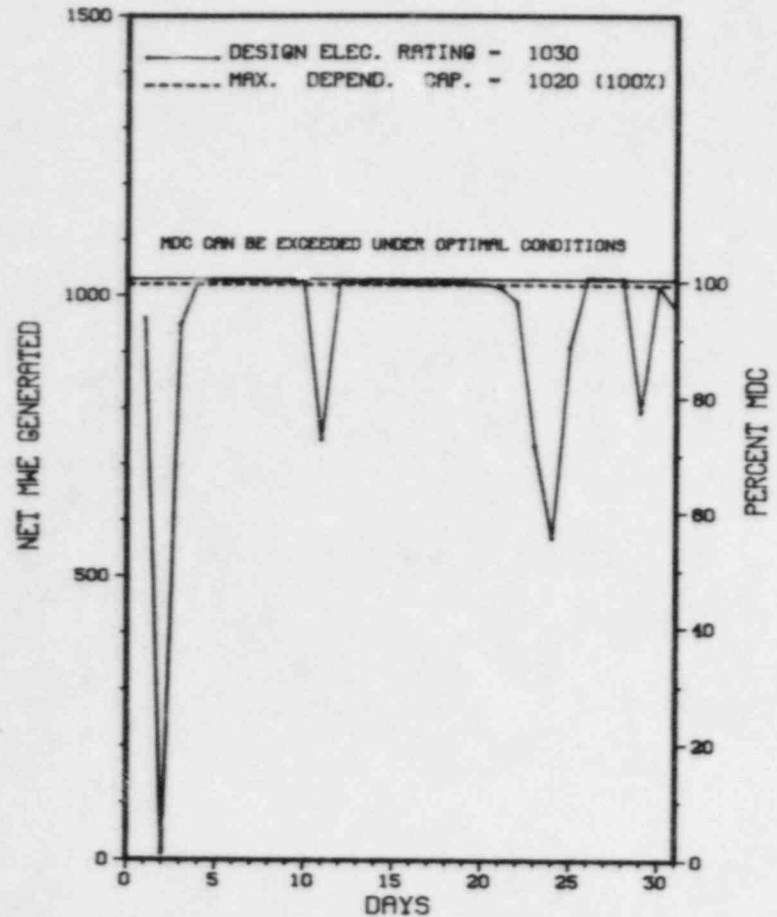
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
214	03/11/84	F	0.0	H	5		HF	HTEXCH	REACTOR POWER REDUCED TO 55% TO REMOVE THE MAIN FEED PUMPS FROM SERVICE (ONE AT A TIME) TO CLEAN THE FEED PUMP TURBINE CONDENSER WATER BOXES. POWER RETURNED TO 90% THE SAME DAY.
215	03/22/84	F	0.0	H	5		HF	HTEXCH	REACTOR POWER REDUCED TO 71% TO REMOVE TURBINE CONDENSER HALVES FROM SERVICE FOR CLEANING OF CONDENSER WATER BOXES. POWER FURTHER REDUCED TO 55% TO PERMIT REMOVAL OF ONE FEED PUMP AT A TIME TO CLEAN THE FEED PUMP TURBINE CONDENSERS. POWER INCREASED TO 100% ON 03/25/84.
216	03/29/84	F	0.0	B	5		HC	HTEXCH	REACTOR POWER REDUCED TO 70% TO REMOVE C-SOUTH CONDENSER HALF FROM SERVICE FOR A TUBE LEAK CHECK. ONE TUBE WAS PLUGGED. POWER RETURNED TO 100% ON 03/30/84.
217	03/31/84	F	0.0	B	5		HC	HTEXCH	REACTOR POWER REDUCED TO 70% TO REMOVE B-NORTH CONDENSER HALF FROM SERVICE FOR A TUBE LEAK CHECK. REACTOR POWER WAS AT 70% AT THE END OF THE MONTH. ONE TUBE WAS PLUGGED IN B-NORTH CONDENSER.

 * SUMMARY *

 COOK 1 OPERATED WITH 4 REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* COOK 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....BERRIEN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI S OF
BENTON HARBOR, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 18, 1975
DATE ELCTRIC 1ST GENER...FEBRUARY 10, 1975
DATE COMMERCIAL OPERATE...AUGUST 27, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC
CORPORATE ADDRESS.....1 RIVERSIDE PLAZA
COLUMBUS, OHIO 43216
CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CORP.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....AMERICAN ELEC. POWER SERVICE CORP.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-315
LICENSE & DATE ISSUANCE...DPR-58, OCTOBER 25, 1974
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 13-17, (84-05): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISION-MAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); DOSE CALCULATION AND ASSESSMENT; PUBLIC INFORMATION PROGRAM; LICENSEE AUDITS; AND, METEOROLOGY. THE INSPECTION INVOLVED 134 INSPECTION-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. ONE APPARENT ITEM OF NONCOMPLIANCE WAS IDENTIFIED: FAILURE TO MEET SCHEDULAR EMERGENCY PLAN AND PROCEDURE REQUIREMENTS.

ENFORCEMENT SUMMARY

UNITS 1 AND 2 TECHNICAL SPECIFICATION 3.7.9.4.A ALLOWS 14 DAYS TO RETURN AN INOPERABLE HALON SYSTEM TO OPERABLE STATUS OR, SUBMIT A SPECIAL REPORT TO THE COMMISSION WITHIN 30 DAYS OUTLINING THE ACTIONS TAKEN, THE CAUSE OF THE OPERABILITY AND THE PLANS AND SCHEDULE FOR RETURNING THE SYSTEM TO OPERABLE STATUS. CONTRARY TO THE ABOVE, WHEN THE HALON SYSTEM WAS DECLARED INOPERABLE ON APRIL 5, 1983 (UNIT 1) AND APRIL 14, 1983 (UNIT 2) AND NOT RETURNED TO SERVICE WITHIN 14 DAYS A SPECIAL REPORT PROVIDING THE REQUESTED INFORMATION WAS NOT SUBMITTED.
(8321 5)

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
147	03/10/84	S	523.9	C	1		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE AT 0403 HOURS ON 03/10/84 FOR SCHEDULED CYCLE IV-V REFUELING/MAINTENANCE OUTAGE. IN ADDITION TO THE REFUELING MAJOR MAINTENANCE WORK INCLUDES STEAM GENERATOR EDDY CURRENT TESTING AND TUBE PLUGGING, R.C.P. MOTOR MODIFICATIONS, MAIN TURBINE CONDENSER RETUBING AND APPENDIX "R" DESIGN CHANGES. THE UNIT IS SCHEDULED TO RETURN TO SERVICE ON JUNE 9, 1984.

 * SUMMARY *

 COOK 2 SHUTDOWN ON MARCH 10TH FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint. or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* COOK 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....BERRIEN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI S OF
BENTON HARBOR, MI

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 10, 1978
DATE ELEC ENER 1ST GENER...MARCH 22, 1978
DATE COMMERCIAL OPERATE...JULY 1, 1978
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN

ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC

CORPORATE ADDRESS.....1 RIVERSIDE PLAZA
COLUMBUS, OHIO 43216

CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CORP.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....J. A. JONES CONSTRUCTION
TURBINE SUPPLIER.....BROWN BOVERI

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-316
LICENSE & DATE ISSUANCE...DPR-74, DECEMBER 23, 1977
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 13-17, (84-05): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISION-MAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); DOSE CALCULATION AND ASSESSMENT; PUBLIC INFORMATION PROGRAM; LICENSEE AUDITS; AND, METEOROLOGY. THE INSPECTION INVOLVED 134 INSPECTION-HOURS ON-SITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. ONE APPARENT ITEM OF NONCOMPLIANCE WAS IDENTIFIED: FAILURE TO MEET SCHEDULAR EMERGENCY PLAN AND PROCEDURE REQUIREMENTS.

ENFORCEMENT SUMMARY

UNITS 1 AND 2 TECHNICAL SPECIFICATION 3.7.9.4.A ALLOWS 14 DAYS TO RETURN AN INOPERABLE HALON SYSTEM TO OPERABLE STATUS OR, SUBMIT A SPECIAL REPORT TO THE COMMISSION WITHIN 30 DAYS OUTLINING THE ACTIONS TAKEN, THE CAUSE OF THE OPERABILITY AND THE PLANS AND SCHEDULE FOR RETURNING THE SYSTEM TO OPERABLE STATUS. CONTRARY TO THE ABOVE, WHEN THE HALON SYSTEM WAS DECLARED INOPERABLE ON APRIL 5, 1983 (UNIT 1) AND APRIL 14, 1983 (UNIT 2) AND NOT RETURNED TO SERVICE WITHIN 14 DAYS A SPECIAL REPORT PROVIDING THE REQUESTED INFORMATION WAS NOT SUBMITTED.
(8322 5)

1. Docket: 50-298 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: P. L. BALLINGER (402) 825-3811

4. Licensed Thermal Power (MWt): 2381

5. Nameplate Rating (Gross MWe): 983 X 0.85 = 836

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>85,489.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,158.0</u>	<u>69,161.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,140.6</u>	<u>68,058.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,530,624</u>	<u>4,369,128</u>	<u>134,882,286</u>
18. Gross Elec Ener (MWH)	<u>512,748</u>	<u>1,475,871</u>	<u>42,882,226</u>
19. Net Elec Ener (MWH)	<u>491,524</u>	<u>1,413,205</u>	<u>41,329,864</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.0</u>	<u>79.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.0</u>	<u>79.6</u>
22. Unit Cap Factor (MDC Net)	<u>86.5</u>	<u>84.7</u>	<u>63.3</u>
23. Unit Cap Factor (DER Net)	<u>84.9</u>	<u>83.2</u>	<u>62.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.0</u>	<u>3.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>43.4</u>	<u>2,000.7</u>

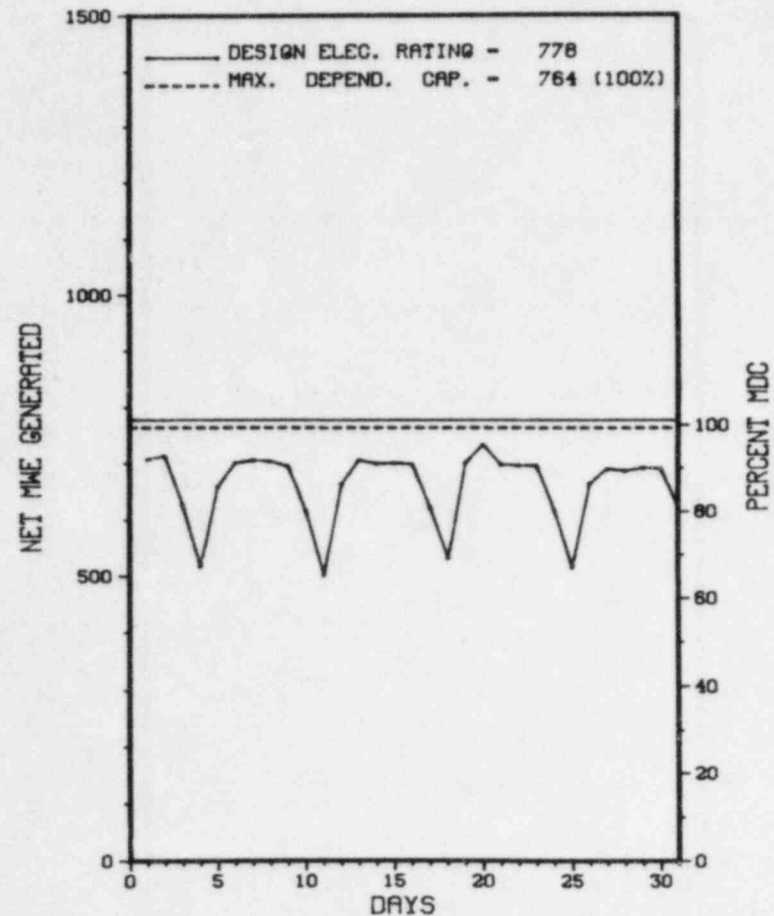
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAINTENANCE, APRIL 7, 1984, 9 DAYS.

27. If Currently ShutDown Estimated Startup Date: N/A

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

* SUMMARY *

COOPER STATION OPERATED ROUTINELY DURING THE REPORT PERIOD WITH
NO REPORTED REDUCTIONS.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* COOPER STATION *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA
COUNTY.....NEMAHA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...23 MI S OF
NEBRASKA CITY, NEB
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...FEBRUARY 21, 1974
DATE ELEC ENER 1ST GENER...MAY 10, 1974
DATE COMMERCIAL OPERATE....JULY 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSOURI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT
CORPORATE ADDRESS.....P.O. BOX 499
COLUMBUS, NEBRASKA 68601
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BURNS & ROE
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....D. DUBOIS
LICENSING PROJ MANAGER.....B. SIEGEL
DOCKET NUMBER.....50-298
LICENSE & DATE ISSUANCE....DPR-46, JANUARY 18, 1974
PUBLIC DOCUMENT ROOM.....AUBURN PUBLIC LIBRARY
1118 15TH STREET
AUBURN, NEBRASKA 68305

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION CONDUCTED OCTOBER 18-21, 1983 (8328): ROUTINE, UNANNOUNCED INSPECTION OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY PROGRAM AUDIT; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREA; ALARM STATIONS; APPENDIX B TO 10 CFR, PART 73; AND INDEPENDENT INSPECTION EFFORT. WITHIN THE SEVEN AREAS INSPECTED, ONE VIOLATION AND TWO OPEN ITEMS WERE IDENTIFIED.

INSPECTION CONDUCTED JANUARY 1 - FEBRUARY 29, 1984 (8401): ROUTINE ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATIONS, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, PLANT TRIP - SAFETY SYSTEM CHALLENGES, LICENSEE EVENT FOLLOWUP, IE BULLETINS, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS INCLUDING VIOLATIONS AND UNRESOLVED ITEMS, COLD WEATHER PREPARATION, AND PLANT PROCEDURES REVIEW. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 15, 1984 (8405): ROUTINE ANNOUNCED INSPECTION TO DETERMINE THE STATUS OF THE 1984 EXERCISE SCENARIO DEVELOPMENT. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

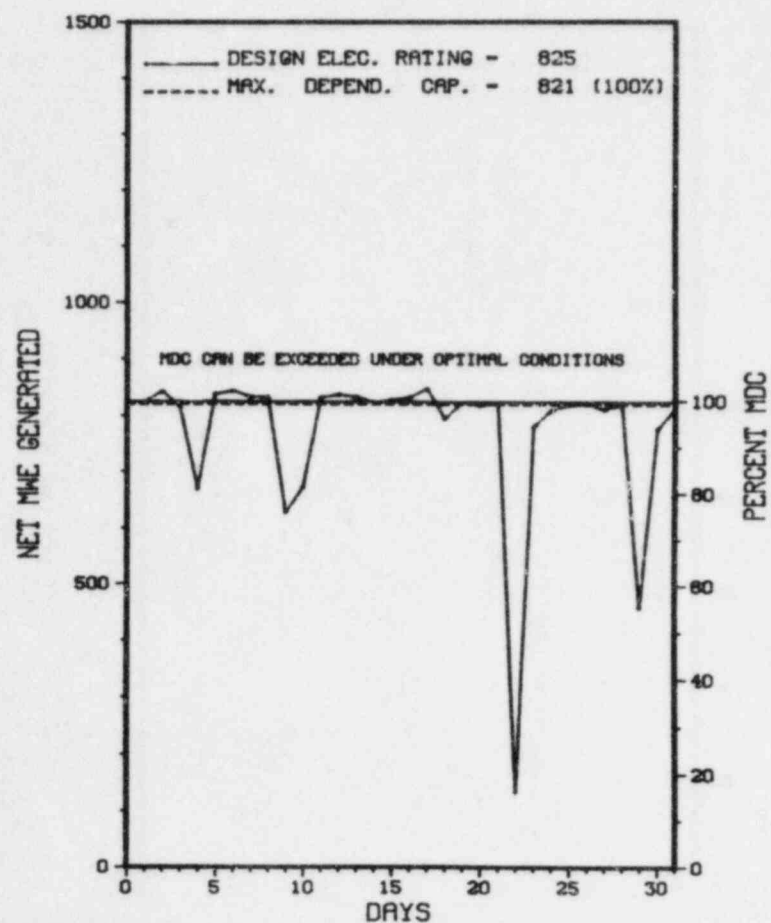
ENFORCEMENT SUMMARY

NONE

 * CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



MARCH 1984

1. Docket: 50-302 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: D. BOGART (904) 795-6486
4. Licensed Thermal Power (MWt): 2544
5. Nameplate Rating (Gross MWe): 989 X 0.9 = 890
6. Design Electrical Rating (Net MWe): 825
7. Maximum Dependable Capacity (Gross MWe): 850
8. Maximum Dependable Capacity (Net MWe): 821
9. If Changes Occur Above Since Last Report, Give Reasons:
MDC CHANGE BASED ON OPERATING EXPERIENCE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>61,824.0</u>
13. Hours Reactor Critical	<u>730.1</u>	<u>2,116.0</u>	<u>39,686.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>722.3</u>	<u>2,087.9</u>	<u>38,707.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,733,874</u>	<u>5,008,081</u>	<u>86,972,416</u>
18. Gross Elec Ener (MWH)	<u>602,702</u>	<u>1,745,677</u>	<u>29,672,413</u>
19. Net Elec Ener (MWH)	<u>574,586</u>	<u>1,664,827</u>	<u>28,181,910</u>
20. Unit Service Factor	<u>97.1</u>	<u>95.6</u>	<u>62.6</u>
21. Unit Avail Factor	<u>97.1</u>	<u>95.6</u>	<u>62.6</u>
22. Unit Cap Factor (MDC Net)	<u>94.1</u>	<u>92.8</u>	<u>55.5</u>
23. Unit Cap Factor (DER Net)	<u>93.6</u>	<u>92.4</u>	<u>55.3</u>
24. Unit Forced Outage Rate	<u>2.9</u>	<u>3.0</u>	<u>23.2</u>
25. Forced Outage Hours	<u>21.7</u>	<u>63.9</u>	<u>11,679.2</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

FEEDWATER LEAK REPAIRS - 04/05/84.

27. If Currently Shutdown Estimated Startup Date: N/A

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-12	03/03/84	F	0.0	A	5		HC	HTEXCH	REDUCED POWER TO 75% FP TO LOCATE A SALTWATER LEAK IN "A" WATERBOX.
84-13	03/08/84	S	0.0	2	5		HC	HTEXCH	REDUCED FOWER TO 75% FP TO CLEAN AND EPOXY COAT THE "A" WATERBOX OUTLET TUBE SHEET TO PREVENT LEAKAGE.
84-14	03/22/84	F	15.7	A	1		CB	MOTORX	SHUTDOWN TO INVESTIGATE A HIGH OIL LEVEL ALARM ON RCP-B.
84-15	03/29/84	F	6.0	A	1		CB	MOTORX	SHUTDOWN TO INVESTIGATE A HIGH OIL LEVEL ALARM ON RCP-B.

 * SUMMARY *

 CRYSTAL RIVER 3 OPERATED WITH 2 REDUCTIONS AND 2 OUTAGES DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* CRYSTAL RIVER 3 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....CITRUS
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NW OF
CRYSTAL RIVER, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 14, 1977
DATE ELEC ENER 1ST GENER...JANUARY 30, 1977
DATE COMMERCIAL OPERATE...MARCH 13, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...GULF OF MEXICO
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER CORPORATION
CORPORATE ADDRESS.....3201 34TH STREET, SOUTH
ST PETERSBURG, FLORIDA 33733
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....J. A. JONES CONSTRUCTION
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. STETKA
LICENSING PROJ MANAGER.....R. HERNAN
DOCKET NUMBER.....50-302
LICENSE & DATE ISSUANCE...DPR-72, JANUARY 28, 1977
PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32639

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 21-24 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED TWENTY-NINE INSPECTOR-HOURS ON SITE IN THE AREAS OF REACTOR COOLANT SYSTEM LEAK RATE MEASUREMENT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6-7 (84-04): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS INSPECTION OF PROTECTIVE ACTION RECOMMENDATIONS. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 13-17 (84-05): THIS INSPECTION INVOLVED 40 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD; 10 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 17 AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING THREE VIOLATIONS: RECORDS AND REPORTS; TESTING AND MAINTENANCE; AND ACCESS CONTROL-PERSONNEL.

ENFORCEMENT SUMMARY

NONE

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* CRYSTAL RIVER 3 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: FEBRUARY 21-24, 1984 +

INSPECTION REPORT NO: 50-202/84-03 +

R E P O R T S F R O M L I C E N S E E

=====

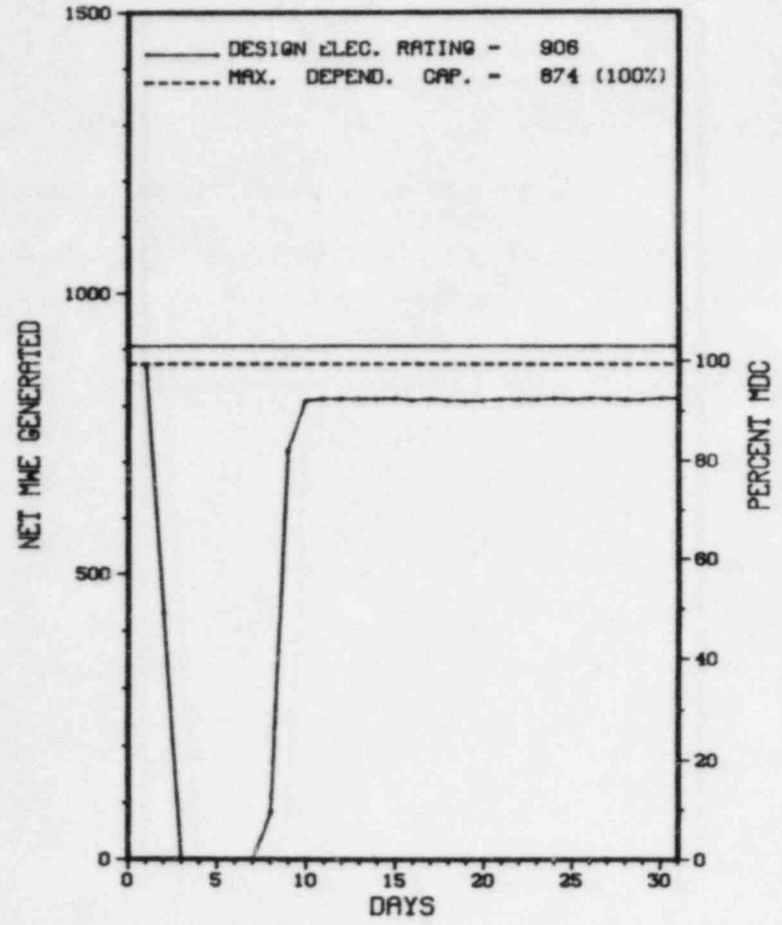
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-001/ --	01/13/84	02/10/84	END CAP OF PENETRATION IN REACTOR CONTAINMENT BLDG. INCORRECTLY CUT OFF, DUE TO PERSONNEL ERROR.
84-002/ --	02/02/84	02/17/84	A LIQUID RELEASE TOOK PLACE WITHOUT CONTINUOUS RECORDING OF THE RELEASE FLOW RATE AND RADIOACTIVITY.

=====

 * DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



MARCH 1984

1. Docket: 50-346 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: BILAL SARSOUR (419) 259-5000 X384
4. Licensed Thermal Power (MWt): 2772
5. Nameplate Rating (Gross MWe): 1069 X 0.9 = 962
6. Design Electrical Rating (Net MWe): 906
7. Maximum Dependable Capacity (Gross MWe): 918
8. Maximum Dependable Capacity (Net MWe): 874
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>49,705.0</u>
13. Hours Reactor Critical	<u>609.2</u>	<u>1,666.3</u>	<u>29,168.7</u>
14. Rx Reserve Shtdwn Hrs	<u>134.8</u>	<u>134.8</u>	<u>4,014.1</u>
15. Hrs Generator On-Line	<u>596.8</u>	<u>1,633.2</u>	<u>27,785.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>1,537,462</u>	<u>4,233,842</u>	<u>65,277,656</u>
18. Gross Elec Ener (MWH)	<u>506,233</u>	<u>1,397,283</u>	<u>21,689,476</u>
19. Net Elec Ener (MWH)	<u>475,956</u>	<u>1,310,565</u>	<u>20,309,264</u>
20. Unit Service Factor	<u>80.2</u>	<u>74.8</u>	<u>55.9</u>
21. Unit Avail Factor	<u>80.2</u>	<u>74.8</u>	<u>59.4</u>
22. Unit Cap Factor (MDC Net)	<u>73.2</u>	<u>68.7</u>	<u>46.8</u>
23. Unit Cap Factor (DER Net)	<u>70.6</u>	<u>66.2</u>	<u>45.1</u>
24. Unit Forced Outage Rate	<u>19.8</u>	<u>25.2</u>	<u>19.0</u>
25. Forced Outage Hours	<u>147.2</u>	<u>550.8</u>	<u>7,134.8</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: N/A

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * DAVIS-BESSE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/02/84	F	147.2	A	3	84-03	IA	INSTRU	THE REACTOR PROTECTION SYSTEM TRIPPED THE REACTOR ON HIGH FLUX DUE TO A DEFECTIVE OPTICAL ISOLATOR IN THE RELAY DRIVER CARD FOR STEAM AND FEEDWATER RUPTURE CONTROL SYSTEM CHANNEL 4 CONTROL RELAY.

 * SUMMARY *

 DAVID-BASSE OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....OHIO
COUNTY.....OTTAWA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI E OF
TOLEDO, OH
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 12, 1977
DATE ELEC ENER 1ST GENER...AUGUST 28, 1977
DATE COMMERCIAL OPERATE....JULY 31, 1978
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...LAKE ERIE
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TOLEDO EDISON
CORPORATE ADDRESS.....300 MADISON AVENUE
TOLEDO, OHIO 43652
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....W. ROGERS
LICENSING PROJ MANAGER....A. DEAGAZIO
DOCKET NUMBER.....50-346
LICENSE & DATE ISSUANCE...NPF-3, APRIL 22, 1977
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
GOVERNMENT DOCUMENTS COLLECTION
2801 WEST BANCROFT AVENUE
TOLEDO, OHIO 43606

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 21-24, (84-03): AREAS INSPECTED INCLUDED A REVIEW OF SECURITY PLANS AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT RESPONSE; DETECTION AIDS-VITAL AND PROTECTED AREAS; ACCESS CONTROLS-PERSONNEL-PACKAGES; SECURITY PROGRAM AUDIT; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ASSESSMENT AIDS; ALARM STATIONS; COMMUNICATIONS; AND FOLLOWUP ON PREVIOUS ITEM OF NONCOMPLIANCE. THE INSPECTION INVOLVED 28 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT FOR THE FOLLOWING THREE AREAS. DETECTION AIDS - VITAL AREAS: SOME INTRUSION ALARMS DID NOT MEET SECURITY PLAN CRITERIA. DETECTION AIDS - PROTECTED AREAS: SOME INTRUSION ALARMS DID NOT MEET SECURITY PLAN CRITERIA. SECURITY ORGANIZATION - MANAGEMENT: ONE SECURITY EVENT WAS NOT REPORTED WITHIN THE TIME CRITERIA REQUIRED BY 10 CFR 73.71(C). THE TWO ITEMS OF NONCOMPLIANCE NOTED IN THE PREVIOUS INSPECTION REPORT WERE CLOSED. ONE ITEM OF CONCERN PERTAINING TO IMPROVED OPERABILITY FOR CERTAIN INTRUSION DETECTION SYSTEMS REMAINED OPEN. IMPROVEMENT IN THIS AREA WAS NOTED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION III, STATES IN PART THAT "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASES...ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES, AND INSTRUCTIONS." CRITERION III ALSO STATES, "DESIGN CHANGES, INCLUDING FIELD CHANGES, SHALL BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH

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 * DRESDEN 2 *

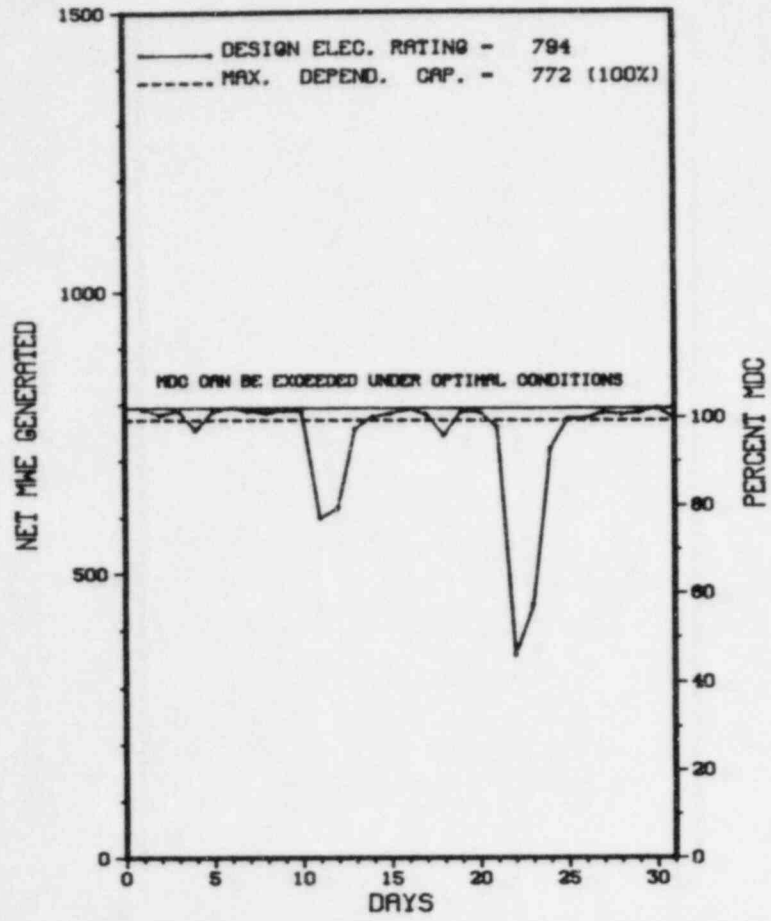
AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2

1. Docket: 50-237 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: BEN SCHROEDER (815) 942-2920
4. Licensed Thermal Power (MWt): 2527
5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828
6. Design Electrical Rating (Net MWe): 794
7. Maximum Dependable Capacity (Gross MWe): 812
8. Maximum Dependable Capacity (Net MWe): 772
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>121,704.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,184.0</u>	<u>94,409.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,162.1</u>	<u>90,063.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,765,915</u>	<u>5,069,897</u>	<u>181,807,493</u>
18. Gross Elec Ener (MWH)	<u>577,334</u>	<u>1,658,227</u>	<u>58,161,394</u>
19. Net Elec Ener (MWH)	<u>548,778</u>	<u>1,580,224</u>	<u>54,977,668</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.0</u>	<u>74.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.0</u>	<u>74.0</u>
22. Unit Cap Factor (MDC Net)	<u>95.5</u>	<u>93.7</u>	<u>58.5</u>
23. Unit Cap Factor (DER Net)	<u>92.9</u>	<u>91.1</u>	<u>56.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>11.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>21.9</u>	<u>4,442.1</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAY 19, 1984 FOR SMUBBER INSPECTION.
27. If Currently Shutdown Estimated Startup Date: N/A



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

* SUMMARY *

DRESDEN 2 OPERATED ROUTINELY DURING THE REPORT PERIOD.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-C:her	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

* DRESDEN 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....GRUNDY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI E OF
MORRIS, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 7, 1970
DATE ELEC ENER 1ST GENER...APRIL 13, 1970
DATE COMMERCIAL OPERATE....JUNE 9, 1970
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...KANKAKEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....T. TONGUE
LICENSING PROJ MANAGER....R. GILBERT
DOCKET NUMBER.....50-237
LICENSE & DATE ISSUANCE....DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, SECTION 5, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY AND ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED PROCEDURES APPROPRIATE TO THE CIRCUMSTANCES. (A) NUCLEAR STATIONS DIVISION VICE-PRESIDENT'S DIRECTIVE NO. 13, DATED NOVEMBER 1, 1980, "CONDUCT OF OPERATION," STATES IN PART, "THE ONLY READING MATERIAL ALLOWED (IN THE CONTROL ROOM) WILL BE PROFESSIONAL, JOB RELATED LITERATURE APPROVED BY THE STATION SUPERINTENDENT. EXAMPLES OF READING MATERIAL NOT ALLOWED ARE NEWSPAPERS, NOVELS, NON-PROFESSIONAL MAGAZINES AND OTHER NON-JOB RELATED MATERIAL." THE DIRECTIVE ALSO REQUIRES THAT THOSE RESTRICTIONS BE INCLUDED IN THE STATIONS' ADMINISTRATIVE PROCEDURES, (B) DRESDEN ADMINISTRATIVE PROCEDURE 7-5 REQUIRES THE RECORDING OF POWER LEVEL CHANGES IN UNIT LOGS, (C) DRESDEN WAREHOUSE PROCEDURE (DWP)-1, "PACKAGING, RECEIVING, HANDLING AND STORAGE OF ITEMS IN THE STOREROOM," REQUIRES THAT COMPONENTS AND OPENINGS IN COMPONENTS BE PROPERLY PACKAGED AND PROTECTED TO PREVENT DAMAGE BY OR ENTRY OF FOREIGN MATERIALS, AND (D) DWP-12, "LEVELS OF STORAGE," SPECIFIES REQUIREMENTS FOR THE ENVIRONMENT IN STORAGE AREAS FOR SAFETY-RELATED EQUIPMENT AND COMPONENTS INCLUDING CONTROLS ON DUST, DEBRIS AND ADVERSE CHEMICALS. CONTRARY TO THE ABOVE: (A) RESTRICTIONS ON THE PRESENCE AND USE OF NON-JOB RELATED READING MATERIAL IN THE CONTROL ROOM WERE NOT PRESCRIBED IN STATION ADMINISTRATIVE PROCEDURES AND, DURING THE PERIOD MAY 8 THROUGH JUNE 3, 1983, AN INSPECTOR OBSERVED NUCLEAR STATION OPERATORS ON TWO DIFFERENT SHIFTS READING MAGAZINES IN

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1. Docket: 50-249 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: BEN SCHROEDER (815) 942-2920

4. Licensed Thermal Power (MWt): 2527

5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>111,289.0</u>
13. Hours Reactor Critical	<u>123.1</u>	<u>123.1</u>	<u>82,958.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>79,862.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>159,963.004</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>51,952,909</u>
19. Net Elec Ener (MWH)	<u>-5,172</u>	<u>-10,182</u>	<u>49,220,401</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>71.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,415.2</u>

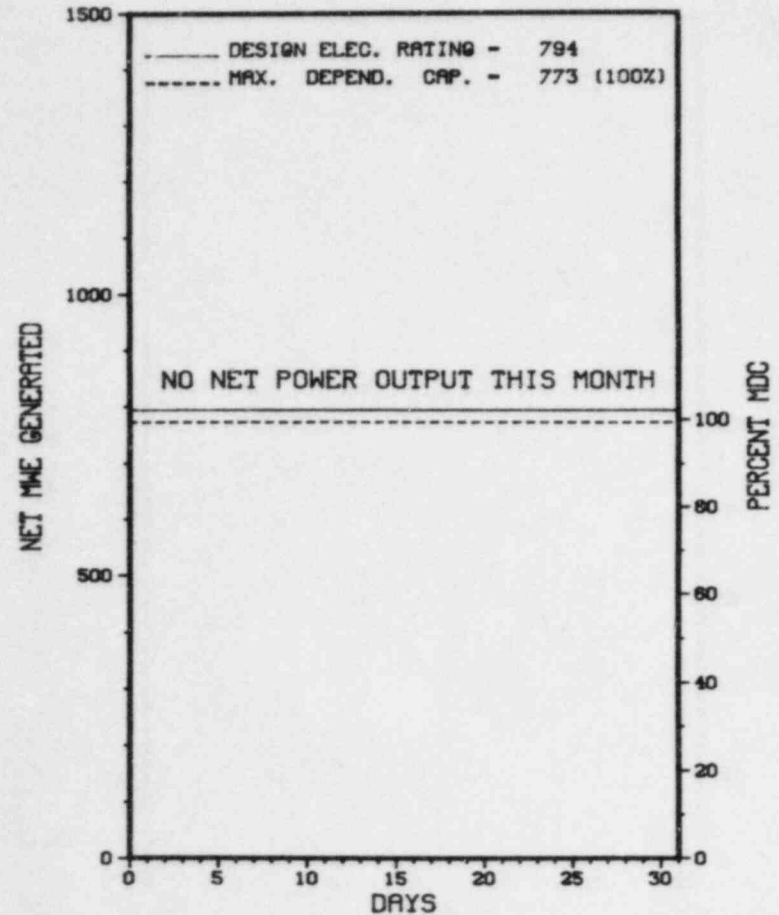
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 04/29/84

* DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/30/83	S	744.0	C	4				REFUEL, ISI, AND TURBINE OVERHAUL OUTAGE CONTINUES.

* SUMMARY *

DRESDEN 3 REMAINS SHUTDOWN IN A CONTINUING REFUELING AND MAINTENANCE OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training		
	& License Examination		

* DRESDEN 3 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....GRUNDY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI E OF
MORRIS, ILL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 31, 1971
DATE ELEC ENER 1ST GENER...JULY 22, 1971
DATE COMMERCIAL OPERATE...NOVEMBER 16, 1971
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...KANKAKEE RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690

CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....T. TONGUE
LICENSING PROJ MANAGER....R. GILBERT
DOCKET NUMBER.....50-249
LICENSE & DATE ISSUANCE...DPR-25, MARCH 2, 1971
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, SECTION 5, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY AND ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED PROCEDURES APPROPRIATE TO THE CIRCUMSTANCES. (A) NUCLEAR STATIONS DIVISION VICE-PRESIDENT'S DIRECTIVE NO. 13, DATED NOVEMBER 1, 1980, "CONDUCT OF OPERATION," STATES IN PART, "THE ONLY READING MATERIAL ALLOWED (IN THE CONTROL ROOM) WILL BE PROFESSIONAL, JOB RELATED LITERATURE APPROVED BY THE STATION SUPERINTENDENT. EXAMPLES OF READING MATERIAL NOT ALLOWED ARE NEWSPAPERS, NOVELS, NON-PROFESSIONAL MAGAZINES AND OTHER NON-JOB RELATED MATERIAL." THE DIRECTIVE ALSO REQUIRES THAT THOSE RESTRICTIONS BE INCLUDED IN THE STATIONS' ADMINISTRATIVE PROCEDURES, (B) DRESDEN ADMINISTRATIVE PROCEDURE 7-5 REQUIRES THE RECORDING OF POWER LEVEL CHANGES IN UNIT LOGS, (C) DRESDEN WAREHOUSE PROCEDURE (DWP)-1, "PACKAGING, RECEIVING, HANDLING AND STORAGE OF ITEMS IN THE STOREROOM," REQUIRES THAT COMPONENTS AND OPENINGS IN COMPONENTS BE PROPERLY PACKAGED AND PROTECTED TO PREVENT DAMAGE BY OR ENTRY OF FOREIGN MATERIALS, AND (D) DWP-12, "LEVELS OF STORAGE," SPECIFIES REQUIREMENTS FOR THE ENVIRONMENT IN STORAGE AREAS FOR SAFETY-RELATED EQUIPMENT AND COMPONENTS INCLUDING CONTROLS ON DUST, DEBRIS AND ADVERSE CHEMICALS. CONTRARY TO THE ABOVE: (A) RESTRICTIONS ON THE PRESENCE AND USE OF NON-JOB RELATED READING MATERIAL IN THE CONTROL ROOM WERE NOT PRESCRIBED IN STATION ADMINISTRATIVE PROCEDURES AND, DURING THE PERIOD MAY 8 THROUGH JUNE 3, 1983, AN INSPECTOR OBSERVED NUCLEAR STATION OPERATORS ON TWO DIFFERENT SHIFTS READING MAGAZINES IN

1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: MATT ANDERSON (319) 851-7308

4. Licensed Thermal Power (MWt): 1658

5. Nameplate Rating (Gross MWe): 663 X 0.9 = 597

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 545

8. Maximum Dependable Capacity (Net MWe): 515

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>80,328.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,018.6</u>	<u>57,953.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,992.9</u>	<u>56,435.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,169,208</u>	<u>3,044,616</u>	<u>70,793,178</u>
18. Gross Elec Ener (MWH)	<u>399,833</u>	<u>1,036,674</u>	<u>23,730,731</u>
19. Net Elec Ener (MWH)	<u>377,559</u>	<u>978,580</u>	<u>22,214,950</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.3</u>	<u>70.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.3</u>	<u>70.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.5</u>	<u>87.0</u>	<u>53.7</u>
23. Unit Cap Factor (DER Net)	<u>94.3</u>	<u>83.3</u>	<u>51.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.8</u>	<u>17.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>191.1</u>	<u>11,525.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

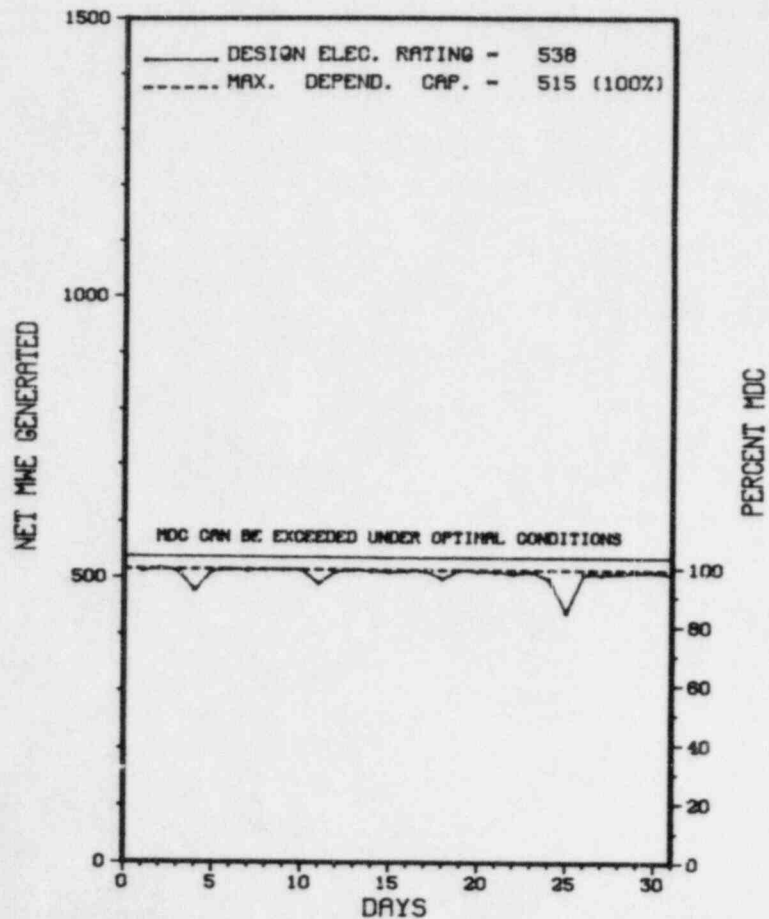
SURVEILLANCE OUTAGE: APRIL 13, 1984 - 2 WEEKS

27. If Currently Shutdown Estimated Startup Date: N/A

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
-----	------	------	-------	--------	--------	------------	--------	-----------	---

NONE

* SUMMARY *

DUANE ARNOLD OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* DUANE ARNOLD *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....IOWA
COUNTY.....LINN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NW OF
CEDAR RAPIDS, IA
TYPE OF REACTORBWR
DATE INITIAL CRITICALITY...MARCH 23, 1974
DATE ELEC ENER 1ST GENER...MAY 19, 1974
DATE COMMERCIAL OPERATE...FEBRUARY 1, 1975
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CEDAR RAPIDS RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....IOWA ELECTRIC POWER & LIGHT
CORPORATE ADDRESS.....I E TOWERS, P.O. BOX 351
CEDAR RAPIDS, IOWA 52406
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....L. CLARDY
LICENSING PROJ MANAGER.....M. THADANI
DOCKET NUMBER.....50-331
LICENSE & DATE ISSUANCE...DPR-49, FEBRUARY 22, 1974
PUBLIC DOCUMENT ROOM.....REFERENCE SERVICE
CEDAR RAPIDS PUBLIC LIBRARY
428 THIRD AVENUE, S.E.
CEDAR RAPIDS, IOWA 52401

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 20-22, AND JANUARY 19, (83-19): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT-PERSONNEL-RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; ACCESS CONTROL-PERSONNEL-PACKAGES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS; SAFEGUARDS INFORMATION; AND LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS BY TWO NRC INSPECTORS. ONE OF THE 40 INSPECTOR-HOURS WAS ACCOMPLISHED DURING OFF-SHIFT PERIODS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED, EXCEPT AS NOTED. PHYSICAL BARRIERS - VITAL AREAS: THE LICENSEE FAILED TO PROVIDE AN ADEQUATE VITAL AREA BARRIER. ACCESS CONTROL-PERSONNEL: ACCESS CONTROL TO AN AREA CONTAINING VITAL EQUIPMENT DID NOT MEET SECURITY PLAN CRITERIA. SAFEGUARDS INFORMATION: SOME SAFEGUARDS INFORMATION WAS NOT PROTECTED AS REQUIRED BY THE LICENSEE'S PROCEDURE AND 10 CFR 73-21. SECURITY ORGANIZATION-MANAGEMENT: ONE SECURITY EVENT WAS NOT REPORTED WITHIN THE TIME CRITERIA REQUIRED BY 10 CFR 73.71(C). AREAS OF CONCERN WERE NOTED PERTAINING TO TIMELY RESPONSE TO SOME LICENSEE IDENTIFIED AUDIT FINDINGS AND THE SCOPE OF QUALITY CONTROL SURVEILLANCES OF THE SECURITY PROGRAM. NONE OF THESE CONCERNS CONSTITUTED NONCOMPLIANCE WITH NRC REQUIREMENTS AND THE LICENSEE'S PROPOSED ACTIONS APPEARED ADEQUATE TO RESOLVE THE ISSUES. ON JANUARY 13, 1984 AN ENFORCEMENT CONFERENCE WAS HELD TO DISCUSS THE VIOLATIONS, THE LICENSEE'S CORRECTIVE ACTIONS, AND ENFORCEMENT OPTIONS AVAILABLE TO THE NRC.

1. Docket: 50-348 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DENNIS HERRIN (205) 899-5156

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 1045 X 0.85 = 888

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 845

8. Maximum Dependable Capacity (Net MWe): 804

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>55,512.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>938.0</u>	<u>36,061.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>904.5</u>	<u>35,007.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>2,360,784</u>	<u>88,462,308</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>751,662</u>	<u>27,993,526</u>
19. Net Elec Ener (MWH)	<u>-4,676</u>	<u>701,994</u>	<u>26,403,056</u>
20. Unit Service Factor	<u>.0</u>	<u>41.4</u>	<u>63.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>41.4</u>	<u>63.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>40.0</u>	<u>59.7*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>38.8</u>	<u>57.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.1</u>	<u>15.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>79.5</u>	<u>6,246.0</u>

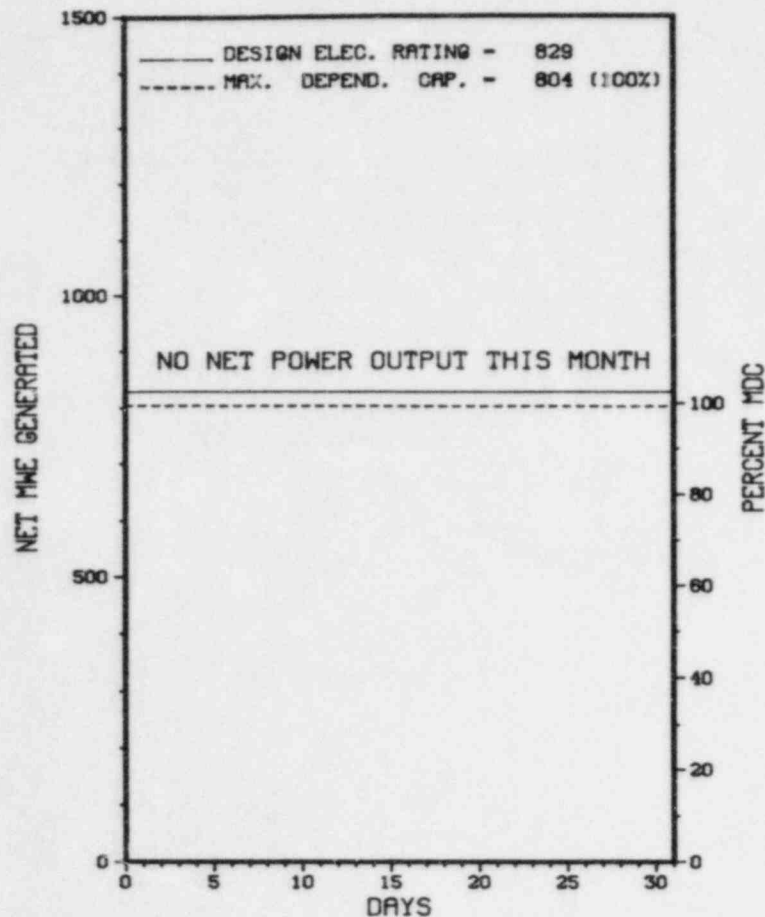
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 04/21/84

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/10/84	S	744.0	C	4	84-002-00	RC	FUELXX	THE CYCLE V-VI REFUELING OUTAGE CONTINUES.

* SUMMARY *

FARLEY 1 REMAINS SHUTDOWN IN A CONTINUING REFUELIN/MAINTENANCE OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

* FARLEY 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....HOUSTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
DOTHAN, ALA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 9, 1977
DATE ELEC ENER 1ST GENER...AUGUST 18, 1977
DATE COMMERCIAL OPERATE...DECEMBER 1, 1977
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CHATAHOOCHEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.
CORPORATE ADDRESS.....600 NORTH 18TH STREET
BIRMINGHAM, ALABAMA 35203
CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES INCORPORATED
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. BRADFORD
LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-348
LICENSE & DATE ISSUANCE...NPF-2, JUNE 25, 1977
PUBLIC DOCUMENT ROOM.....G.S. HOUSTON MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36301

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 6 - MARCH 16 (84-05): THIS ROUTINE INSPECTION INVOLVED 105 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT STATUS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, PHYSICAL PROTECTION, TECHNICAL SPECIFICATION COMPLIANCE, UNIT 1 MAIN STEAM ISOLATION VALVES, PLANT EVENT REPORTS, UNIT 1 REFUELING, IEB FOLLOWUP AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE FOUND IN 11 INSPECTION AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (PARAGRAPH 8-FILLING FUEL TRANSFER CANAL FROM SPENT FUEL POOL WITHOUT PERFORMING A 50.59 REVIEW).

INSPECTION FEBRUARY 21-24 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF 10 CFR 61 IMPLEMENTATION, DEBRIS REMOVAL FROM REACTOR CAVITY DURING UNIT 1 REFUELING OUTAGE, PLANT TOUR AND UNIT 2 OUTAGE. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E - (CONTINUED)

* FARLEY 1 *

84-001/ --	01/09/84	02/03/84	REACTOR TRIPPED, DUE TO LOLO LEVEL IN 1B STEAM GENERATOR.
84-002/ --	02/10/84	03/06/84	REACTOR TRIPPED FROM APPROXIMATE 10% POWER, DUE TO AN INTERMEDIATE RANGE HIGH FLUX SIGNAL.
84-003/ --	02/18/84	03/09/84	REACTOR COOLANT SYSTEM BORON CONCENTRATION OF 1899 PPM VERSUS GREATER THAN CAUSED BY A MISINTERPRETATION OF THE TECHNICAL SPECIFICATION.
84-004/ --	02/29/84	03/21/84	SURFACE INDICATIONS DISCOVERED ON 3 OF 6 SHAFTS, INVESTIGATION ONGOING.
84-005/ --	02/29/84	03/21/84	INDICATIONS DISCOVERED IN UNIT 1 FEEDWATER REDUCER TO STEAM GENERATOR NOZZLE WELDS AN AUGMENTED INSPECTION PROGRAM ESTABLISHED.
84-006/ --	02/23/84	03/21/84	BOTH CONTAINMENT PERSONNEL AIRLOCK DOORS OPEN AT SAME TIME, CAUSE NOT DETERMINED.
84-007/ --	02/20/84	03/21/84	AUTOMATIC ACTUATION PORTION OF DIESEL BLDG. CARDOX FIRE SUPPRESSION SYSTEM INOPERABLE, DUE TO A WIRING ERROR.

=====

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1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DENNIS HERRIN (205) 899-5156

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 855

8. Maximum Dependable Capacity (Net MWe): 814

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

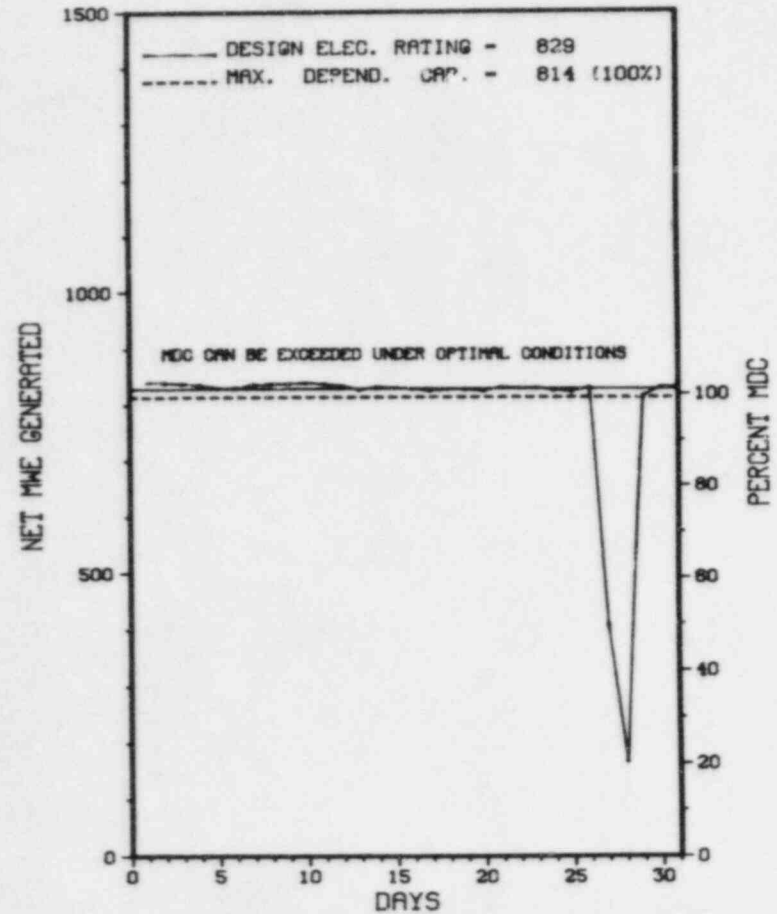
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>23,425.0</u>
13. Hours Reactor Critical	<u>731.9</u>	<u>2,147.7</u>	<u>20,684.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>724.5</u>	<u>2,103.2</u>	<u>20,402.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,895,910</u>	<u>5,453,396</u>	<u>52,364,088</u>
18. Gross Elec Ener (MWH)	<u>622,002</u>	<u>1,786,768</u>	<u>16,773,616</u>
19. Net Elec Ener (MWH)	<u>592,374</u>	<u>1,699,700</u>	<u>15,899,726</u>
20. Unit Service Factor	<u>97.4</u>	<u>96.3</u>	<u>87.1</u>
21. Unit Avail Factor	<u>97.4</u>	<u>96.3</u>	<u>87.1</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>95.6</u>	<u>83.4</u>
23. Unit Cap Factor (DER Net)	<u>96.0</u>	<u>93.9</u>	<u>81.9</u>
24. Unit Forced Outage Rate	<u>2.6</u>	<u>3.7</u>	<u>5.2</u>
25. Forced Outage Hours	<u>19.5</u>	<u>80.8</u>	<u>1,112.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
004	03/27/84	F	19.5	H	3	84-004-00			REACTOR TRIP DUE TO LIGHTNING INDUCED SURGES.

***** FARLEY 2 OPERATED WITH 1 OUTAGE DURING MARCH.
* SUMMARY *

Type	Reason	Method	System & Component	
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Schud	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training		5-Reduced Load	Licensee Event Report
	& License Examination		9-Other	(LER) File (NUREG-0161)

* FARLEY 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....HOUSTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
DOTHAN, ALA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 5, 1981
DATE ELEC ENER 1ST GENER...MAY 25, 1981
DATE COMMERCIAL OPERATE...JULY 30, 1981
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CHATAHOOCHEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.
CORPORATE ADDRESS.....600 NORTH 18TH STREET
BIRMINGHAM, ALABAMA 35203
CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES INCORPORATED
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. BRADFORD
LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-364
LICENSE & DATE ISSUANCE...NPF-8, MARCH 31, 1981
PUBLIC DOCUMENT ROOM.....G.S. HOUSTON MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36301

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 6 - MARCH 16 (84-05): THIS ROUTINE INSPECTION INVOLVED 105 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT STATUS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, PHYSICAL PROTECTION, TECHNICAL SPECIFICATION COMPLIANCE, UNIT 1 MAIN STEAM ISOLATION VALVES, PLANT EVENT REPORTS, UNIT 1 REFUELING, IEB FOLLOWUP AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE FOUND IN 11 INSPECTION AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (PARAGRAPH 8-FILLING FUEL TRANSFER CANAL FROM SPENT FUEL POOL WITHOUT PERFORMING A 50.59 REVIEW).

INSPECTION FEBRUARY 21-24 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF 10 CFR 61 IMPLEMENTATION, DEBRIS REMOVAL FROM REACTOR CAVITY DURING UNIT 1 REFUELING OUTAGE, PLANT TOUR AND UNIT 2 OUTAGE. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: J. COOK (315) 342-3840

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 981 X 0.9 = 883

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>76,081.0</u>
13. Hours Reactor Critical	<u>434.3</u>	<u>1,874.3</u>	<u>54,403.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>361.6</u>	<u>1,801.6</u>	<u>53,001.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>596,112</u>	<u>4,030,584</u>	<u>111,767,170</u>
18. Gross Elec Ener (MWH)	<u>192,370</u>	<u>1,348,190</u>	<u>38,005,510</u>
19. Net Elec Ener (MWH)	<u>185,755</u>	<u>1,304,045</u>	<u>36,802,685</u>
20. Unit Service Factor	<u>48.6</u>	<u>82.5</u>	<u>69.7</u>
21. Unit Avail Factor	<u>48.6</u>	<u>82.5</u>	<u>69.7</u>
22. Unit Cap Factor (MDC Net)	<u>30.8</u>	<u>73.7</u>	<u>63.2*</u>
23. Unit Cap Factor (DER Net)	<u>30.4</u>	<u>72.7</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>22.2</u>	<u>5.4</u>	<u>14.3</u>
25. Forced Outage Hours	<u>103.4</u>	<u>103.4</u>	<u>8,986.6</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

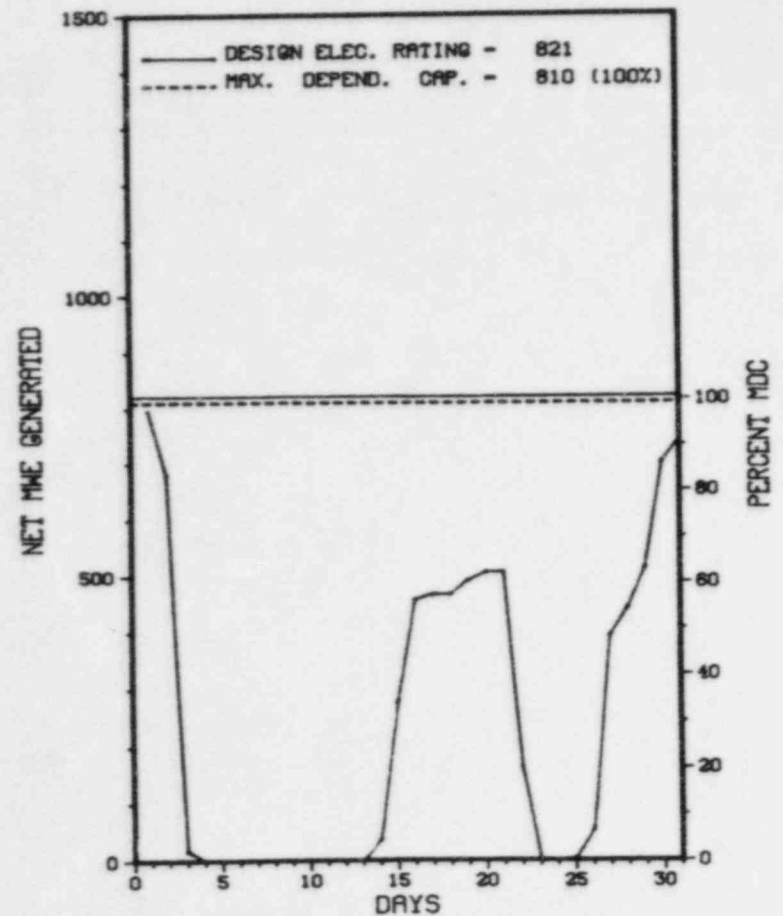
SEPTEMBER - 30 DAY SHUTDOWN FOR IHSI

27. If Currently Shutdown Estimated Startup Date: N/A

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * FITZPATRICK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	03/03/84	S	279.0	B	1				SHUTDOWN FOR CONTROL ROD DRIVE MAINTENANCE AND IHSI.
4	03/22/84	F	64.2	A	3	84-009			REACTOR SCRAM ON LOW LEVEL CAUSED BY A LOSS OF FEEDWATER PUMP "B" DUE TO A WIPED BEARING. FEEDWATER PUMP "A" OUT OF SERVICE FOR MAINTENANCE.
5	03/25/84	F	39.2	A	3	84-009			REACTOR SCRAM DURING STARTUP ON LOW LEVEL CAUSED BY LOSS OF FEEDWATER PUMP "A" DUE TO FAILURE OF A CONTROL OIL LINE.

 * SUMMARY *

 FITZPATRICK OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* FITZPATRICK *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....OSWEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NE OF
OSWEGO, NY
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...NOVEMBER 17, 1974
DATE ELEC GENER 1ST GENER...FEBRUARY 1, 1975
DATE COMMERCIAL OPERATE....JULY 28, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE ONTARIO
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.
CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. DOERFLEIN
LICENSING PROJ MANAGER.....H. ABELSON
DOCKET NUMBER.....50-333
LICENSE & DATE ISSUANCE....DPR-59, OCTOBER 17, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - GOVERNMENT DOCUMENTS COL
OSWEGO, NY 13126
(315) 341-2323

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50.59(B) THE LICENSEE FAILED TO PERFORM A WRITTEN SAFETY EVALUATION WHEN THE MOTOR ACTUATOR FOR THE RESIDUAL HEAT REMOVAL SUPPRESSION POOL COOLING OUTBOARD CONTAINMENT ISOLATION VALVE (10MOV39B) WAS REPLACED WITH A DIFFERENT DESIGN ACTUATOR ON SEPTEMBER 23, 1977.
(8328 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:
NO INPUT PROVIDED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* FITZPATRICK *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

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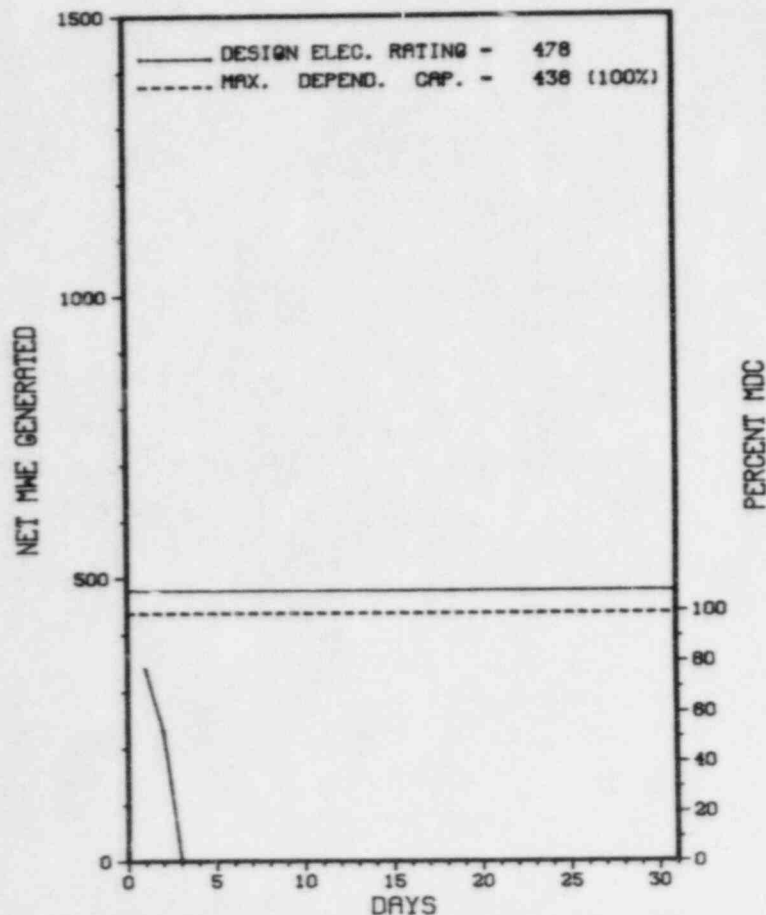
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

 * FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



MARCH 1984

1. Docket: 50-285 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: T. P. MATTHEWS (402) 536-4733
4. Licensed Thermal Power (MWt): 1500
5. Nameplate Rating (Gross MWe): 591 X 0.85 = 502
6. Design Electrical Rating (Net MWe): 478
7. Maximum Dependable Capacity (Gross MWe): 461
8. Maximum Dependable Capacity (Net MWe): 438
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>92,185.0</u>
13. Hours Reactor Critical	<u>50.2</u>	<u>1,490.2</u>	<u>72,104.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>49.5</u>	<u>1,489.5</u>	<u>70,842.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>49,026</u>	<u>2,152,797</u>	<u>88,912,511</u>
18. Gross Elec Ener (MWH)	<u>14,816</u>	<u>690,258</u>	<u>29,319,682</u>
19. Net Elec Ener (MWH)	<u>13,782</u>	<u>656,538</u>	<u>27,736,398</u>
20. Unit Service Factor	<u>6.7</u>	<u>68.2</u>	<u>76.8</u>
21. Unit Avail Factor	<u>6.7</u>	<u>68.2</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>4.2</u>	<u>68.6</u>	<u>65.6*</u>
23. Unit Cap Factor (DER Net)	<u>3.9</u>	<u>62.9</u>	<u>62.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,398.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/01/84

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	03/03/84	S	694.5	C	4		RC	FUELXX	1984 REFUELING OUTAGE COMMENCED MARCH 3, 1984.

* SUMMARY *

FORT CALHOUN SHUTDOWN ON MARCH 3RD FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

1. Docket: 50-267 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C. H. FULLER (303) 785-2224

4. Licensed Thermal Power (MWt): 842

5. Nameplate Rating (Gross MWe): 403 X 0.85 = 343

6. Design Electrical Rating (Net MWe): 330

7. Maximum Dependable Capacity (Gross MWe): 342

8. Maximum Dependable Capacity (Net MWe): 330

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): 280

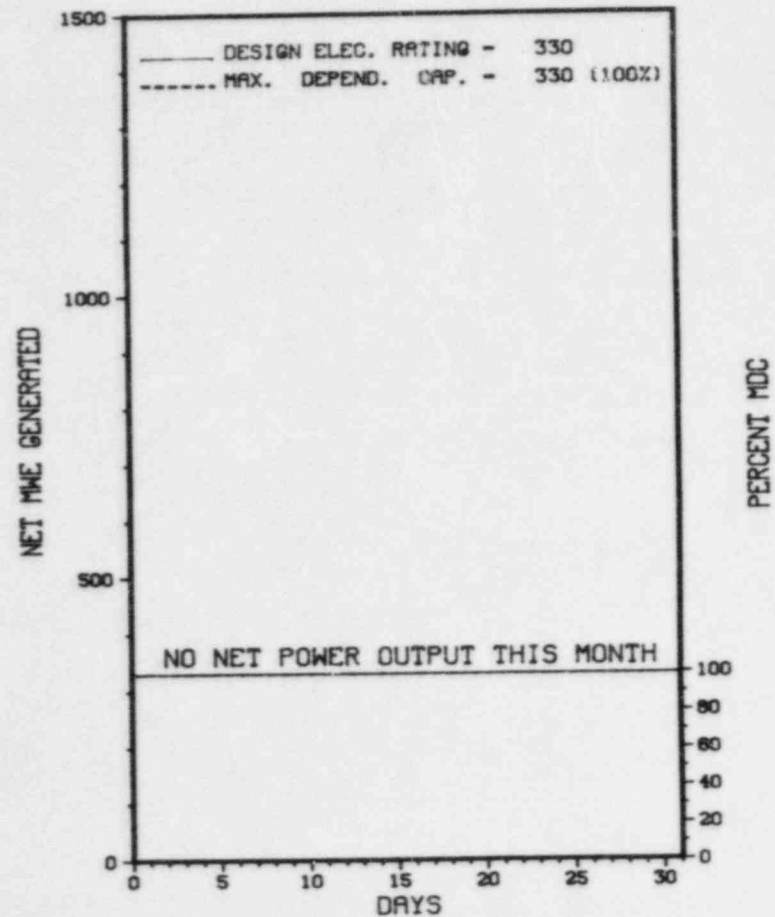
11. Reasons for Restrictions, If Any:
85% PENDING COMPLETION OF B-0 STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>41,665.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>468.0</u>	<u>26,295.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>446.6</u>	<u>18,250.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>240,819</u>	<u>9,610,571</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>77,412</u>	<u>3,230,862</u>
19. Net Elec Ener (MWH)	<u>-1,919</u>	<u>67,431</u>	<u>2,938,961</u>
20. Unit Service Factor	<u>.0</u>	<u>20.4</u>	<u>43.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>20.4</u>	<u>43.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>9.4</u>	<u>21.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>9.4</u>	<u>21.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.5</u>	<u>39.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>6.9</u>	<u>11,683.9</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>REFUELING 4-1-84 - 1 MONTH.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>05/02/84</u>			

 * FORT ST VRAIN *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-002	01/19/84	S	744.0	C	4		ZZ	ZZZZZZ	REFUELING, TURBINE OVERHAUL, "A" HELIUM CIRCULATOR CHANGEOUT, ROUTINE CORRECTIVE AND PREVENTIVE MAINTENANCE.

***** FORT ST VRAIN REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.
* SUMMARY *

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* FORT ST VRAIN *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO

COUNTY.....WELD

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...35 MI N OF
DENVER, COL

TYPE OF REACTOR.....HTGR

DATE INITIAL CRITICALITY...JANUARY 31, 1974

DATE ELEC ENER 1ST GENER...DECEMBER 11, 1976

DATE COMMERCIAL OPERATE....JULY 1, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....S. PLATTE RIVER

ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO

CORPORATE ADDRESS.....P.O. BOX 840
DENVER, COLORADO 80201

CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY

NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....G. PLUMLEE

LICENSING PROJ MANAGER....P. WAGNER
DOCKET NUMBER.....50-267

LICENSE & DATE ISSUANCE....DPR-34, DECEMBER 21, 1973

PUBLIC DOCUMENT ROOM.....GREELEY PUBLIC LIBRARY
CITY COMPLEX BUILDING
GREELEY, COLORADO 80631

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION CONDUCTED DECEMBER 5-9, 1983 (83-32): ROUTINE, UNANNOUNCED INSPECTION OF SECURITY SYSTEM AUDIT, PHYSICAL BARRIERS - PROTECTED AREA, PHYSICAL BARRIERS - VITAL AREAS, TESTING AND MAINTENANCE, ALARM STATIONS, AND COLD WEATHER PREPARATIONS. WITHIN SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JANUARY 30 - FEBRUARY 3, 1984, (84-02): ROUTINE, UNANNOUNCED INSPECTION OF NONLICENSED TRAINING AND REQUALIFICATION TRAINING. WITHIN THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 6-10, 1984, (84-04): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION OPERATIONS DURING REFUELING INCLUDING: ADVANCED PLANNING AND PREPARATIONS; TRAINING; PROCEDURES; EXPOSURE CONTROL (EXTERNAL AND INTERNAL); RADIATION WORK PERMIT (RWP) PROGRAM; POSTING AND CONTROL OF RADIOLOGICALLY CONTROLLED AREAS (RCA); RADIOACTIVE AND CONTAMINATED MATERIAL CONTROL; INSTRUMENTATION, EQUIPMENT, AND SUPPLIES; SURVEYS; AND THE ALARA PROGRAM. WITHIN THE TEN AREAS INSPECTED ON VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 13-16, 1984 (84-07): ROUTINE, UNANNOUNCED INSPECTION OF CONSTRUCTION ACTIVITIES INCLUDING SITE TOUR, REVIEW OF QA PROCEDURES FOR THE INSTALLATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT, QUALIFICATION OF QC ELECTRICAL PERSONNEL, OBSERVATION OF WORK ACTIVITIES, REVIEW OF NONCONFORMANCE REPORTS, AND REVIEW OF INSPECTION RECEIVING REPORTS. WITHIN THE SIX AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-244 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: ROBERT E. DODGE (315) 524-4446

4. Licensed Thermal Power (MWt): 1520

5. Nameplate Rating (Gross MWe): 608 X 0.85 = 517

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

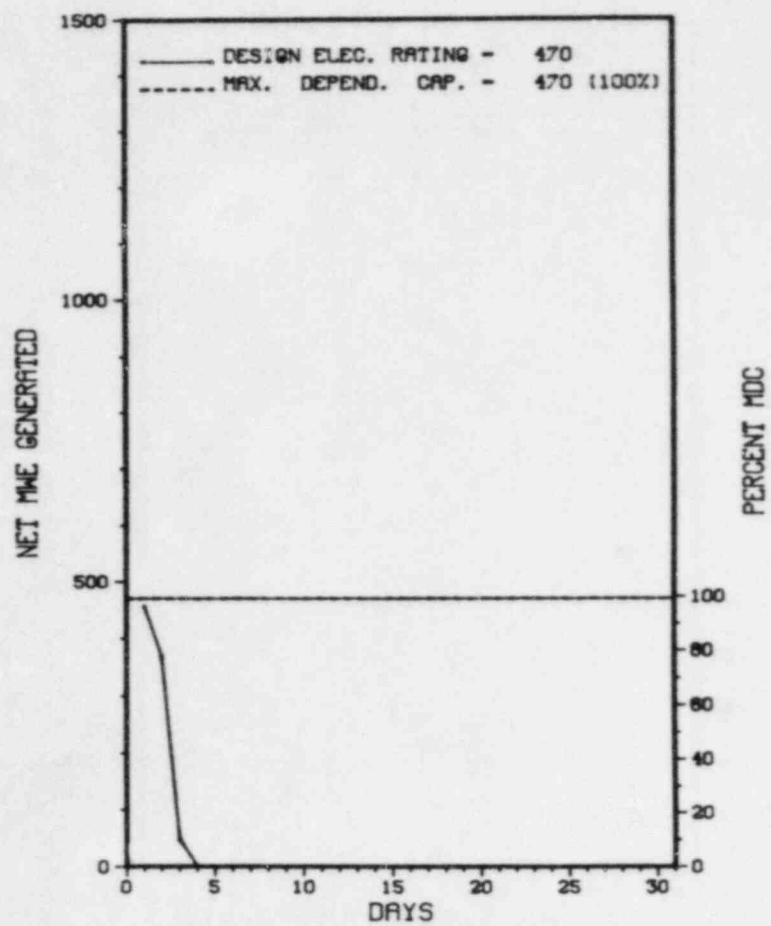
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>125,760.0</u>
13. Hours Reactor Critical	<u>50.1</u>	<u>1,490.1</u>	<u>95,089.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,631.5</u>
15. Hrs Generator On-Line	<u>49.6</u>	<u>1,489.6</u>	<u>93,000.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>64,896</u>	<u>2,207,424</u>	<u>128,464,793</u>
18. Gross Elec Ener (MWH)	<u>21,028</u>	<u>733,488</u>	<u>41,897,859</u>
19. Net Elec Ener (MWH)	<u>16,522</u>	<u>694,289</u>	<u>39,720,533</u>
20. Unit Service Factor	<u>6.7</u>	<u>68.2</u>	<u>74.0</u>
21. Unit Avail Factor	<u>6.7</u>	<u>68.2</u>	<u>74.0</u>
22. Unit Cap Factor (MDC Net)	<u>4.7</u>	<u>67.6</u>	<u>69.0*</u>
23. Unit Cap Factor (DER Net)	<u>4.7</u>	<u>67.6</u>	<u>69.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,802.1</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 05/06/84

* GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* GINNA *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/03/84	S	694.4	C	1		RC	FUELXX	UNIT WAS SHUTDOWN AT 0133 HOURS ON 3/3/84 FOR ANNUAL INSPECTION, REFUELING, AND MAINTENANCE.

***** GINNA SHUTDOWN ON MARCH 3RD FOR REFUELING AND MAINTENANCE.
* SUMMARY *

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* GINNA *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WAYNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI NE OF
ROCHESTER, NY
TYPE OF REACTGR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 8, 1969
DATE ELEC ENER 1ST GENER...DECEMBER 2, 1969
DATE COMMERCIAL OPERATE...JULY 1, 1970
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ONTARIO
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ROCHESTER GAS & ELECTRIC
CORPORATE ADDRESS.....89 EAST AVENUE
ROCHESTER, NEW YORK 14604
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. ZIMMERMAN
LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-244
LICENSE & DATE ISSUANCE...DPR-18, SEPTEMBER 19, 1969
PUBLIC DOCUMENT ROOM.....ROCHESTER PUBLIC LIBRARY
BUSINESS AND SOCIAL SCIENCE DIVISION
115 SOUTH AVENUE
ROCHESTER, NEW YORK 14604

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 4.5.2.3.1.C, THE SURVEILLANCE TEST PERFORMED ON DECEMBER 4, 1983, TO DETERMINE THE IODINE REMOVAL EFFICIENCY OF THE POST ACCIDENT CHARCOAL SYSTEM WAS MEASURED UNDER TEST CONDITIONS OF 266 DEGREES F, RATHER THAN 286 DEGREES F AS REQUIRED. FURTHER, THE TEST REPORT DOCUMENTING THE INCORRECT TEST TEMPERATURE WAS REVIEWED AND ACCEPTED BY SUPERVISORY PERSONNEL FROM TWO RESPONSIBLE DEPARTMENTS.
(8324 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

1. Docket: 50-213 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: R.L. EPPINGER (203) 267-2556 X274
4. Licensed Thermal Power (MWt): 1825
5. Nameplate Rating (Gross MWe): 667 X 0.9 = 600
6. Design Electrical Rating (Net MWe): 582
7. Maximum Dependable Capacity (Gross MWe): 596
8. Maximum Dependable Capacity (Net MWe): 569
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>142,440.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,184.0</u>	<u>123,385.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,200.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,184.0</u>	<u>118,091.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>373.7</u>
17. Gross Therm Ener (MWH)	<u>1,331,459</u>	<u>3,949,670</u>	<u>205,322,230</u>
18. Gross Elec Ener (MWH)	<u>442,855</u>	<u>1,314,365</u>	<u>67,427,608</u>
19. Net Elec Ener (MWH)	<u>422,733</u>	<u>1,254,928</u>	<u>64,155,629</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>82.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>83.2</u>
22. Unit Cap Factor (MDC Net)	<u>99.9</u>	<u>101.0</u>	<u>82.8*</u>
23. Unit Cap Factor (DER Net)	<u>97.6</u>	<u>98.7</u>	<u>77.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,158.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

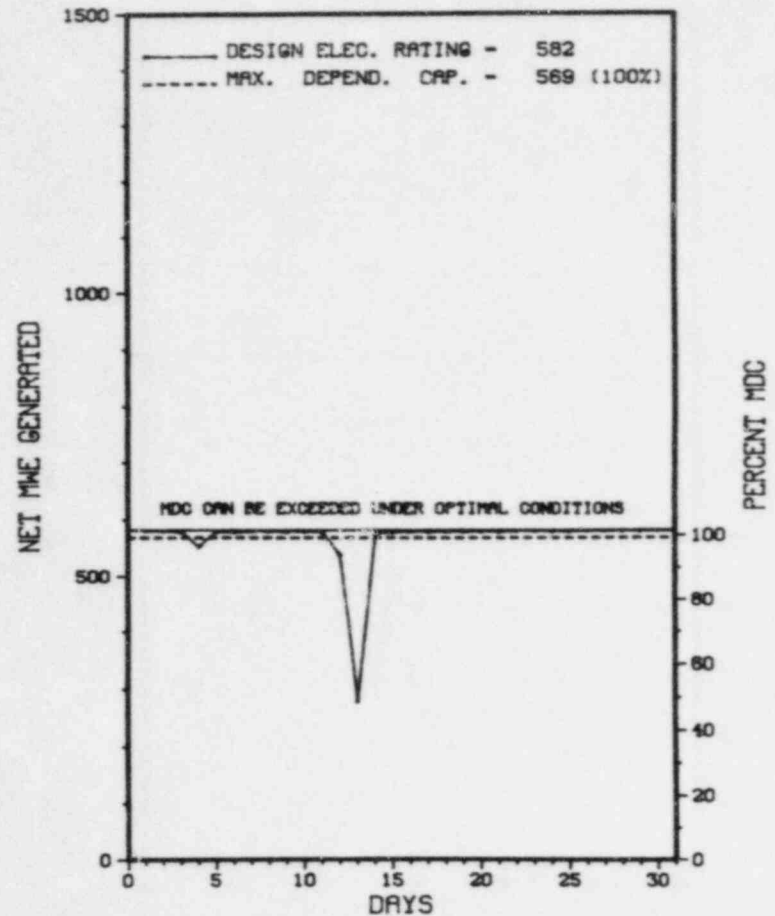
REFUELING: 08-01-84 (10 WEEKS)

27. If Currently Shutdown Estimated Startup Date: N/A

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-1	03/13/84	F	0.0	F	5		IB	INSTRU	AN INSTRUMENTATION MALFUNCTION CAUSED A TURBINE LOAD RUNBACK. THE UNIT CONTINUED THE LOAD REDUCTION TO VERIFY REACTOR SHUTDOWN CAPABILITY OF THE CONTROL RODS. IT WAS BELIEVED THAT A CONTROL ROD RODLET MAY HAVE DROPPED INITIATING THE LOAD RUNBACK. SUBSEQUENT REVIEW OF INCORE FLUX MAPPING DATA VERIFIED THAT A RODLET HAD NOT DROPPED.

 * SUMMARY *

 HADDAM NECK (CONNECTICUT YANKEE) OPERATED AT FULL POWER WITH 1 REDUCTION DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* HADDAM NECK *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....CONNECTICUT
COUNTY.....MIDDLESEX
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...13 MI E OF
MERIDEN, CONN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 24, 1967
DATE ELEC ENER 1ST GENER...AUGUST 7, 1967
DATE COMMERCIAL OPERATE...JANUARY 1, 1968
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CONNECTICUT RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY
LICENSEE.....CONNECTICUT YANKEE ATOMIC POWER
CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....P. SWETLAND
LICENSING PROJ MANAGER.....J. LYONS
DOCKET NUMBER.....50-213
LICENSE & DATE ISSUANCE...DPR-61, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....RUSSELL LIBRARY
119 BROAD STREET
MIDDLETOWN, CONNECTICUT 06457

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

SECTION 2.4.5.1 OF THE ENVIRONMENTAL TECHNICAL SPECIFICATIONS (ETS) REQUIRES THAT MEASUREMENTS SHALL BE MADE TO DETERMINE OR ESTIMATE THE TOTAL CURIE QUANTITY AND PRINCIPAL RADIONUCLIDE COMPOSITION OF ALL SOLID RADIOACTIVE WASTE SHIPPED OFFSITE. SECTION 5.5.1 OF THE ETS REQUIRES THAT WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED FOR ALL ACTIVITIES IN CARRYING OUT THE ETS. CHEMISTRY DEPARTMENT PROCEDURE CHDP 1.8 "ALPHA ANALYSIS AND SAMPLE PREPARATION," WRITTEN PURSUANT TO THE REQUIREMENTS OF SECTION 5.5.1 OF THE ETS, REQUIRES THAT SAMPLES UNDERGO A SAMPLE PREPARATION PROCEDURE PRIOR TO ANALYSIS. CONTRARY TO THE ABOVE, FOR THE PERIOD JANUARY 1983 TO JUNE 1983 THE ALPHA ANALYSIS FOR THE TRANSURANIUM CONCENTRATION LEVELS IN SOLID RADIOACTIVE WASTE WAS PERFORMED BY DIRECTLY COUNTING THE SAMPLE INSTEAD OF FOLLOWING PROCEDURE CHDP 1.8.
(8326 5)

CONTRARY TO SECTION 8.1.1 OF EMERGENCY PLAN AND TRAINING PROCEDURE TR 1.6-1.4 SIX INDIVIDUALS WERE PLACED ON CALL PRIOR TO RECEIVING REQUIRED TRAINING.

(8328 4)

1. Docket: 50-321 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: D.P. RAFFEDIE (912) 367-7851

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 1000 X 0.85 = 850

6. Design Electrical Rating (Net MWe): 777

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 752

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Lower Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>72,312.0</u>
13. Hours Reactor Critical	<u>592.0</u>	<u>1,515.5</u>	<u>51,021.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>512.3</u>	<u>1,419.4</u>	<u>47,812.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,014,102</u>	<u>3,161,286</u>	<u>100,296,401</u>
18. Gross Elec Ener (MWH)	<u>316,770</u>	<u>1,024,280</u>	<u>32,473,260</u>
19. Net Elec Ener (MWH)	<u>299,371</u>	<u>972,904</u>	<u>30,823,395</u>
20. Unit Service Factor	<u>68.9</u>	<u>65.0</u>	<u>66.1</u>
21. Unit Avail Factor	<u>68.9</u>	<u>65.0</u>	<u>66.1</u>
22. Unit Cap Factor (MDC Net)	<u>53.5</u>	<u>59.2</u>	<u>56.7</u>
23. Unit Cap Factor (DER Net)	<u>51.8</u>	<u>57.3</u>	<u>54.9</u>
24. Unit Forced Outage Rate	<u>31.1</u>	<u>32.4</u>	<u>16.6</u>
25. Forced Outage Hours	<u>231.7</u>	<u>680.0</u>	<u>9,289.9</u>

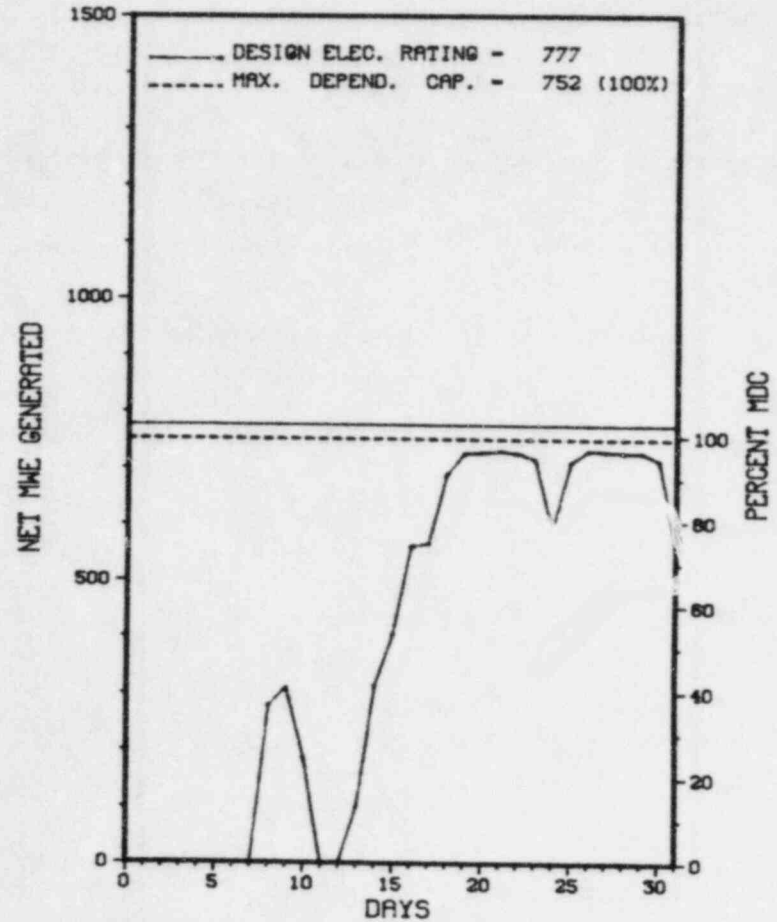
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-9	03/01/84	F	166.3	A	3		HA	TURBIN	REACTOR SCRAM FROM TURBINE HIGH VIBRATION. INSPECTION REVEALED 13TH STAGE LP TURBINE BUCKETS DAMAGED.
84-10	03/08/84	S	0.0	H	5		SA	VESSEL	RAMPING UP FROM REACTOR SCRAM.
84-11	03/09/84	F	0.0	H	5		CH	HTEXCH	HOLDING AND REDUCING LOAD DUE TO FEEDWATER HEATER PROBLEMS.
84-12	03/10/84	F	65.4	A	1		HA	TURBIN	TURBINE MANUALLY TRIPPED. STILL TRYING TO RESOLVE FEEDWATER HEATER PROBLEMS.
84-13	03/11/84	F	0.0	H	5		RC	CONROD	REACTOR MANUALLY SCRAMMED BECAUSE OF CONTROL ROD PULL ERROR.
84-14	03/13/84	S	0.0	H	5		SA	VESSEL	RAMPING UP FROM MANUAL TURBINE TRIP.
84-15	03/15/84	S	0.0	H	5		RC	INSTRU	REDUCING AND HOLDING LOAD FOR OD-1 TEST.
84-16	03/15/84	S	0.0	H	5		RC	INSTRU	RAMPING TO RATED POWER FROM OD-1 TESTING.
84-17	03/16/84	S	0.0	B	5		RC	CONROD	REDUCING LOAD FOR ROD PATTERN ADJUSTMENT.
84-18	03/17/84	S	0.0	H	5		RC	CONROD	RAMPING BACK TO RATED POWER FROM ROD PATTERN ADJUSTMENT.
84-19	03/23/84	S	0.0	H	5		RC	CONROD	REDUCING LOAD FOR ROD PATTERN ADJUSTMENT & WEEKLY TURBINE TEST.
84-20	03/24/84	S	0.0	H	5		RC	CONROD	RAMPING BACK TO RATED POWER FROM ROD ADJUSTMENT AND TURBINE TEST.
84-21	03/30/84	S	0.0	H	5		RC	CONROD	REDUCING LOAD FOR ROD PATTERN ADJUSTMENT & WEEKLY TURBINE TEST.
84-22	03/31/84	S	0.0	H	5		RC	CONROD	RAMPING BACK TO RATED POWER.

 * SUMMARY *

 HATCH 1 OPERATED WITH 2 OUTAGES AND NUMEROUS REDUCTIONS LISTED IN DETAIL ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* HATCH 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA
COUNTY.....APPLING
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 12, 1974
DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1974
DATE COMMERCIAL OPERATE...DECEMBER 31, 1975
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...ALTAMAHA RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER
CORPORATE ADDRESS.....333 PIEDMONT AVENUE
ATLANTA, GEORGIA 30308
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....GEORGIA POWER CO.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....G. RIVENBARK
DOCKET NUMBER.....50-321
LICENSE & DATE ISSUANCE...DPR-57, OCTOBER 13, 1974
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 16-20 (84-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED; NO DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 21-23 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND ROUTINE SURVEILLANCE AND INSPECTION OF SNUBBERS. IN THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (INADEQUATE INSPECTION OF MASONRY WALL MODIFICATIONS).

INSPECTION FEBRUARY 27 - MARCH 2 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 2 - FEBRUARY 20 (84-07): THIS INSPECTION INVOLVED 53 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, LER REVIEW, DESIGN CHANGE SYSTEM AND INDEPENDENT VERIFICATION (TMI I.C.6). OF THE TEN AREAS INSPECTED, TWO VIOLATIONS WERE FOUND.

INSPECTION FEBRUARY 21-24 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* HATCH 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-113/ 03-L	12/20/83	01/13/84	REACTOR BUILDING EXHAUST VENT RADIATION MONITORS WERE INOPERABLE. MONITORS BEING OUT OF CALIBRATION, DUE TO A DECREASED SENSITIVITY OF THE RESPECTIVE DETECTOR'S GEIGER MULLER TUBE.
83-122/ 03-L	12/28/83	01/24/84	HPCI HAD AN ERRATIC RESPONSE AND WAS TRIPPED. FAILED RAMP GENERATOR SIGNAL CONVERTER UNIT.
83-124/ 03-L	12/15/83	01/13/84	TRANSVERSE INCORE PROBE "B" DETECTOR CABLE COULD NOT BE WITHDRAWN. THE CAUSE OF THIS EVENT IS COMPONENT FAILURE IN THAT THE TIP DRIVE CABLE WAS BINDING IN ITS INDEXING TUBE.
83-126/ 03-L	12/29/83	01/24/84	HPCI'S A, B, C, AND D STEAM LINE PRESSURE SWITCHES ACTUATED BELOW THE REQUIREMENTS OF TECH. THIS EVENT WAS DUE TO THE SWITCHES BEING OUT OF CALIBRATION DUE TO SETPOINT DRIFT.
84-U01/ --	02/11/84	03/09/84	THE TURBINE TRIPPED ON HIGH TURBINE VIBRATION AND INITIATED A REACTOR SCRAM.

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1. Docket: 50-366 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: D.P. RAFEEDIE (912) 367-7851

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 1000 X 0.85 = 850

6. Design Electrical Rating (Net MWe): 784

7. Maximum Dependable Capacity (Gross MWe): 806

8. Maximum Dependable Capacity (Net MWe): 748

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>40,081.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>308.2</u>	<u>27,547.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>308.2</u>	<u>26,241.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>726,912</u>	<u>56,293,208</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>242,640</u>	<u>18,547,990</u>
19. Net Elec Ener (MWH)	<u>-2,141</u>	<u>228,400</u>	<u>17,646,642</u>
20. Unit Service Factor	<u>.0</u>	<u>14.1</u>	<u>65.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>14.1</u>	<u>65.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>14.0</u>	<u>58.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>13.3</u>	<u>56.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,425.8</u>

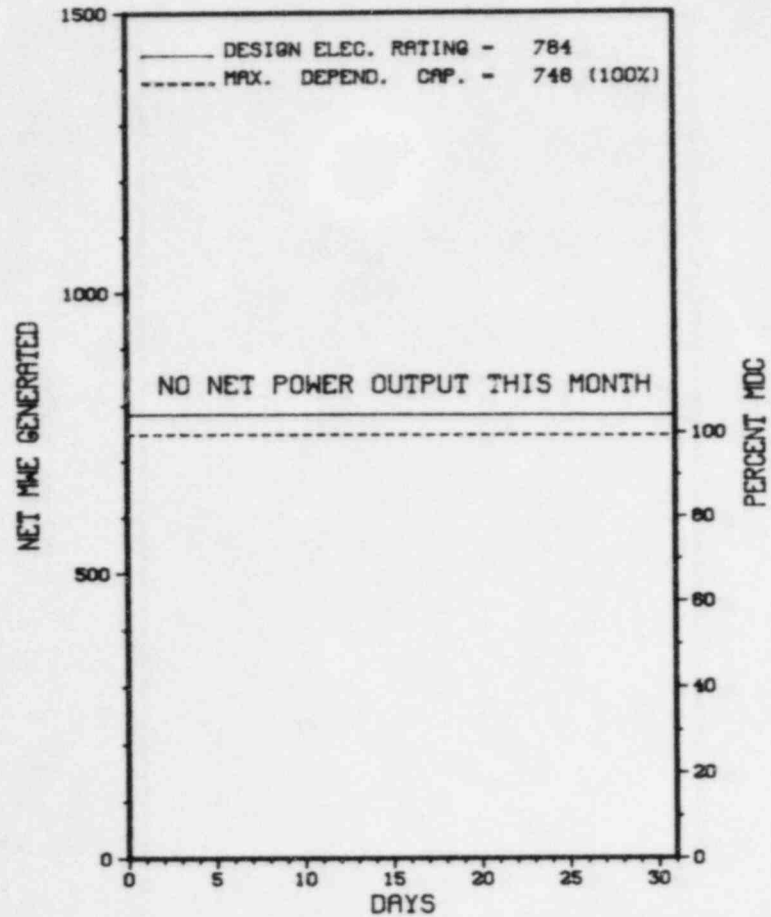
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-5	01/13/84	S	744.0	H	4		CB	PIPEXX	RECIRC PIPE REPLACEMENT OUTAGE CONTINUES.

***** HATCH 2 REMAINS SHUTDOWN IN A CONTINUING REPAIR OUTAGE.
* SUMMARY *

Type	Reason	Method	System & Component	
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training		5-Reduced Load	Licensee Event Report
	& License Examination		9-Other	(LER) File (NUREG-0161)

* HATCH 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA
COUNTY.....APPLING
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JULY 4, 1978
DATE ELEC ENER 1ST GENER...SEPTEMBER 22, 1978
DATE COMMERCIAL OPERATE...SEPTEMBER 5, 1979
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...ALTAMAHA RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER
CORPORATE ADDRESS.....333 PIEDMONT AVENUE
ATLANTA, GEORGIA 30308
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....GEORGIA POWER CO.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER....G. RIVENBARK
DOCKET NUMBER.....50-366
LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 16-20 (84-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED; NO DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 21-23 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND ROUTINE SURVEILLANCE AND INSPECTION OF SNUBBERS. IN THE AREAS INSPECTED, ONE VIOLATION WAS FOUND (INADEQUATE INSPECTION OF MASONRY WALL MODIFICATIONS).

INSPECTION FEBRUARY 27 - MARCH 2 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 2 - FEBRUARY 20 (84-07): THIS INSPECTION INVOLVED 53 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, LER REVIEW, DESIGN CHANGE SYSTEM AND INDEPENDENT VERIFICATION (TMI I.C.6). OF THE AREAS INSPECTED, ONE VIOLATION WAS FOUND.

INSPECTION FEBRUARY 21-24 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION; ORGANIZATION; TRAINING; AUDITS; EXTERNAL AND INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIAL,

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* HATCH 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-129/ 03-L	12/13/83	01/12/84	TESTING OF D/G'S NOT BEING SCHEDULED PER T.S., DUE TO PERSONNEL ERROR.
83-135/ 03-L	12/12/83	01/11/84	'C' REACTOR VESSEL STEAM HIGH DOME PRESSURE SWITCH OUT OF CALIBRATION, DUE TO INSTRUMENT DRIFT.
83-136/ 03-L	12/13/83	01/12/84	ATTEMPT TO RUN '2B' STANDBY GAS TREATMENT FAN, FAN TRIPPED AND WOULD NOT RESTART, DUE TO A FAILED MOTOR STARTER.
83-137/ 03-L	12/21/83	01/13/84	SAFETY RELIEF VALVE TAILPIPE TEMP. RECORDER INOPERABLE, DUE TO A FAILED CHART DRIVE MOTOR AND IDLER GEAR.
83-139/ 03-L	12/14/83	01/13/84	POSITION OF VACUUM BREAKER COULD NOT BE CONFIRMED BECAUSE POSITION INDICATOR LIGHT FUSE HAD BLOWN, DUE TO A SHORT IN THE SWITCH.
83-140/ 03-L	12/25/83	01/24/84	LOW NITROGEN PRESSURE ALARM RECEIVED ON CONTROL ROD SCRAM ACCUMULATORS, CAUSE OF THE EVENT IS UNKNOWN.
83-143/ 03-L	12/25/83	01/24/84	PLANT SERVICE WATER (PSW) VALVE HAD ISOLATED, STOPPING PSW FLOW TO TURBINE BLDG., ICE IN PRESSURE CELL CAUSED FALSE CLOSE SIGNAL TO ISOLATION VALVE.
83-144/ 03-L	12/19/83/	01/13/84	PRIMARY CONTAINMENT HYDROGEN RECOMBINER WOULD NOT HEATUP, DUE TO CONTROL RELAY CONTACTS BEING STUCK.
83-148/ 03-L	12/08/83	01/07/84	LCO NOT IMPLEMENTED ON FIRE DOOR 2L48-2R53, DUE TO PERSONNEL ERROR AND COMPONENT FAILURE.
83-149/ 03-L	12/29/83	01/27/84	BOTH DOORS OF AN AIRLOCK FOR REACTOR BLDG. WERE OPENED, TRANSPORTING AN INJURED PERSON IN AN EXPEDIENT MANNER.
84-001/ --	02/03/84	03/21/84	A FRACTURE ON A 66 INCH VENT HEADER IN BAY 5, DUE TO LOW TEMPTURE OF THE VENT HEADER MATERIAL.
84-002/ --	02/20/84	03/20/84	5 SRVS FAILED TO LIFT IN 1% TOLERANCE RANGE REQUIRED.
84-003/ --	01/15/84	02/14/84	RWCU SYSTEM OUTBOARD ISOLATION VALVE DID NOT CLOSE, REACTOR WATER CLEANUP DUMP FLOW TRANSMITTER INSTALLED INCORRECTLY.
84-004/ --	01/17/84	02/14/84	DURING PROCEDURE HNP-2-3952 VALVES LEAKING IN EXCESS OF T.S. LIMITS; VALVES WILL BE REPAIRED AND TESTED PRIOR TO STARTUP.

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1. Docket: 50-247 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 44.0

3. Utility Contact: E. EICH (914) 694-6000 @ I.P.

4. Licensed Thermal Power (Mwt): 2758

5. Nameplate Rating (Gross MWe): 1126 X 0.9 = 1013

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 864

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>85,489.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,741.4</u>	<u>57,689.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,119.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,717.5</u>	<u>55,913.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,038,163</u>	<u>4,637,918</u>	<u>145,678,417</u>
18. Gross Elec Ener (MWH)	<u>648,490</u>	<u>1,461,680</u>	<u>45,119,256</u>
19. Net Elec Ener (MWH)	<u>625,008</u>	<u>1,400,387</u>	<u>43,027,479</u>
20. Unit Service Factor	<u>100.0</u>	<u>78.6</u>	<u>65.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>78.6</u>	<u>65.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.2</u>	<u>74.2</u>	<u>58.6*</u>
23. Unit Cap Factor (DER Net)	<u>96.2</u>	<u>73.4</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>21.4</u>	<u>9.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>466.5</u>	<u>5,842.7</u>

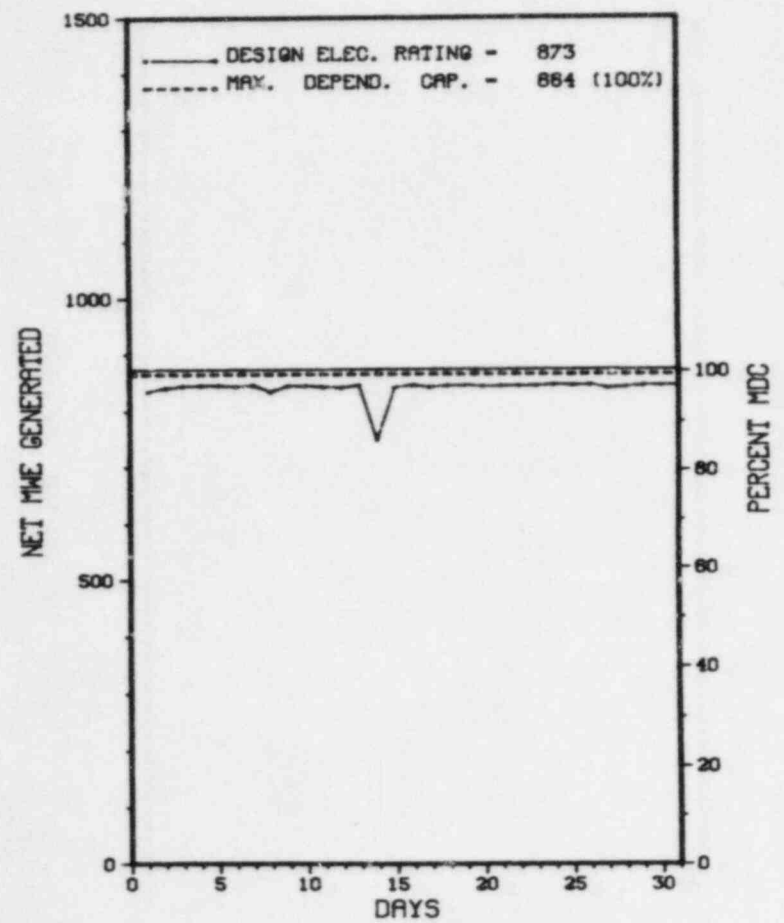
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING & INSPECTION - 02/02/84.

27. If Currently Shutdown Estimated Startup Date: N/A

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	03/14/84	F	0.0	A	5		ED	ELECON	REDUCED LOAD DUE TO HIGH TEMPERATURE ISOPHASE BUS "B".

 * SUMMARY *

 INDIAN POINT 2 OPERATED ROUTINELY WITH 1 REDUCTION DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* INDIAN POINT 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 22, 1973

DATE ELEC ENER 1ST GENER...JUNE 26, 1973

DATE COMMERCIAL OPERATE...AUGUST 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...HUDSON RIVER

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSOLIDATED EDISON

CORPORATE ADDRESS.....4 IRVING PLACE
NEW YORK, NEW YORK 10003

CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. KOLTAY

LICENSING PROJ MANAGER....R. PEDERSEN
DOCKET NUMBER.....50-247

LICENSE & DATE ISSUANCE...DPR-26, SEPTEMBER 28, 1973

PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* INDIAN POINT 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-286 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: L. KELLY (914) 739-8200

4. Licensed Thermal Power (MWt): 3025

5. Nameplate Rating (Gross MWe): 1126 X 0.9 = 1013

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>66,505.0</u>
13. Hours Reactor Critical	<u>736.3</u>	<u>1,489.4</u>	<u>35,913.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>723.2</u>	<u>1,391.1</u>	<u>34,533.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,058,008</u>	<u>3,601,249</u>	<u>87,971,085</u>
18. Gross Elec Ener (MWH)	<u>684,050</u>	<u>1,166,715</u>	<u>27,533,326</u>
19. Net Elec Ener (MWH)	<u>658,648</u>	<u>1,119,099</u>	<u>26,363,277</u>
20. Unit Service Factor	<u>97.2</u>	<u>63.7</u>	<u>51.9</u>
21. Unit Avail Factor	<u>97.2</u>	<u>63.7</u>	<u>51.9</u>
22. Unit Cap Factor (MDC Net)	<u>91.7</u>	<u>53.1</u>	<u>41.1</u>
23. Unit Cap Factor (DER Net)	<u>91.7</u>	<u>53.1</u>	<u>41.1</u>
24. Unit Forced Outage Rate	<u>2.8</u>	<u>36.1</u>	<u>24.2</u>
25. Forced Outage Hours	<u>20.8</u>	<u>786.8</u>	<u>10,983.6</u>

26. Shutdowns Sched Over Next 5 Months (Type, Date, Duration):

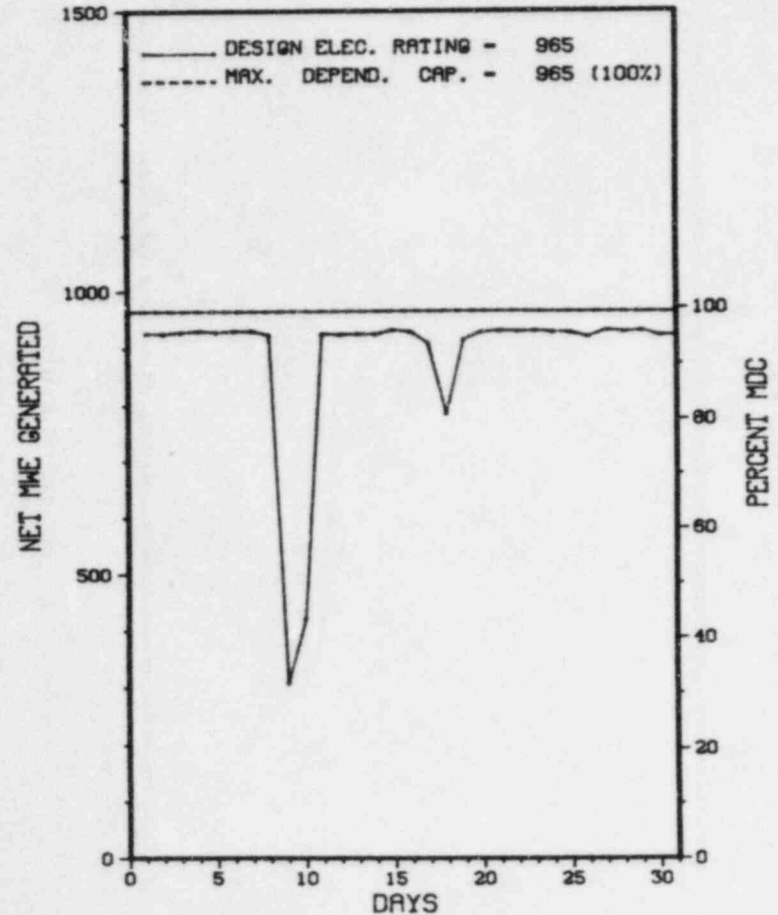
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

 * INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
05	03/09/84	F	20.8	A	3	84-006-00	IA	CKTBRK	TRIP DUE TO BYPASS BREAKER B CELL SWITCH CONTACT MALFUNCTION WHILE PERFORMING REACTOR PROTECTION TRAIN B TEST.

* SUMMARY *

INDIAN POINT 3 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* INDIAN POINT 3 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WESTCHESTER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 6, 1976
DATE ELEC ENER 1ST GENER...APRIL 27, 1976
DATE COMMERCIAL OPERATE....AUGUST 30, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.
CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. KENNY
LICENSING PROJ MANAGER.....P. POLK
DOCKET NUMBER.....50-286
LICENSE & DATE ISSUANCE....DPR-64, APRIL 5, 1976
PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (C O N T I N U E D)

* I N D I A N P O I N T 3 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-305 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: G.RUITER (414) 388-2560 X207

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 622 X 0.9 = 560

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 529

8. Maximum Dependable Capacity (Net MWe): 503

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

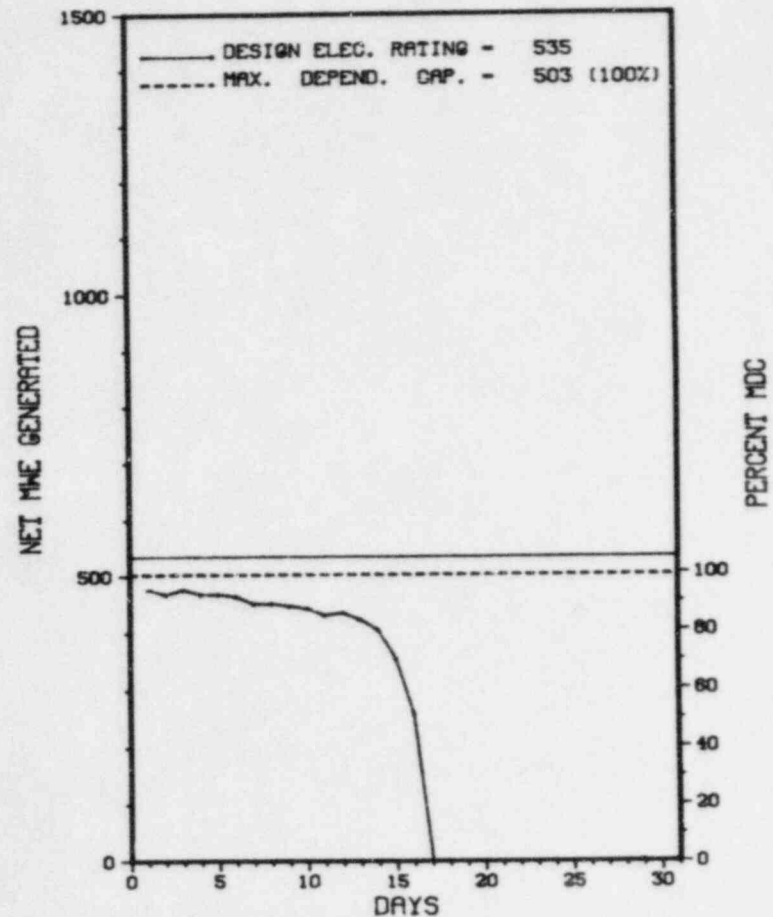
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>85,849.0</u>
13. Hours Reactor Critical	<u>383.7</u>	<u>1,823.7</u>	<u>73,003.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>383.5</u>	<u>1,823.5</u>	<u>71,636.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>532,963</u>	<u>2,898,139</u>	<u>111,869,275</u>
18. Gross Elec Ener (MWH)	<u>175,100</u>	<u>952,300</u>	<u>36,810,400</u>
19. Net Elec Ener (MWH)	<u>166,154</u>	<u>908,523</u>	<u>35,040,559</u>
20. Unit Service Factor	<u>51.5</u>	<u>83.5</u>	<u>83.4</u>
21. Unit Avail Factor	<u>51.5</u>	<u>83.5</u>	<u>83.5</u>
22. Unit Cap Factor (MDC Net)	<u>44.4</u>	<u>82.7</u>	<u>78.4*</u>
23. Unit Cap Factor (DER Net)	<u>41.7</u>	<u>77.8</u>	<u>76.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,729.7</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>05/05/84</u>			

* K E W A U N E E *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * KEWAUNEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/14/84	S	0.0	F	5		ZZ	ZZZZZZ	REACTOR POWER WAS REDUCED BELOW A DAILY AVERAGE OF 80% DUE TO END-OF-CYCLE COAST DOWN.
2	03/16/84	S	360.5	C	1		RC	FUELXX	COMMENCED CYCLE IX-X REFUELING OUTAGE.

***** KEWAUNEE SHUTDOWN ON MARCH 16TH FOR REFUELING AND MAINTENANCE.
 * SUMMARY *

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* Kewaunee *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....KEWAUNEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...27 MI E OF
GREEN BAY, WI.
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 7, 1974
DATE ELEC ENER 1ST GENER...APRIL 8, 1974
DATE COMMERCIAL OPERATE...JUNE 16, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN PUBLIC SERVICE
CORPORATE ADDRESS.....P.O. BOX 1200
GREEN BAY, WISCONSIN 54305
CONTRACTOR
ARCHITECT/ENGINEER.....PIONEER SERVICES & ENGINEERING
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....PIONEER SERVICES & ENGINEERING
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. NELSON
LICENSING PROJ MANAGER.....M. GROTENHUIS
DOCKET NUMBER.....50-305
LICENSE & DATE ISSUANCE...DPR-43, DECEMBER 21, 1973
PUBLIC DOCUMENT ROOM.....KEWAUNEE PUBLIC LIBRARY
822 JUNEAU STREET
KEWAUNEE, WISCONSIN 54216

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 6-10, (84-01): ROUTINE, ANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS INCLUDING SAMPLING, LABORATORY QUALITY CONTROL AND COMPARISON OF LICENSEE ANALYSES WITH THE REGION III MOBILE LABORATORY; RADIOLOGICAL ENVIRONMENTAL PROTECTION INCLUDING PROGRAM MANAGEMENT AND IMPLEMENTATION; AND LICENSEE FOLLOW-UP OF ITEMS IDENTIFIED IN PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 85.5 INSPECTOR-HOURS ON SITE BY 3 NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

1. Docket: 50-409 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: G. R. GADOW (608) 689-2331

4. Licensed Thermal Power (MWt): 165

5. Nameplate Rating (Gross MWe): 76.8 X 0.85 = 65

6. Design Electrical Rating (Net MWe): 50

7. Maximum Dependable Capacity (Gross MWe): 50

8. Maximum Dependable Capacity (Net MWe): 48

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>126,363.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,059.7</u>	<u>82,804.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,955.7</u>	<u>76,792.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>121,471</u>	<u>301,754</u>	<u>10,584,058</u>
18. Gross Elec Ener (MWH)	<u>39,338</u>	<u>97,173</u>	<u>3,154,401</u>
19. Net Elec Ener (MWH)	<u>37,437</u>	<u>92,075</u>	<u>2,919,310</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.5</u>	<u>60.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.5</u>	<u>60.8</u>
22. Unit Cap Factor (MDC Net)	<u>104.8</u>	<u>87.8</u>	<u>48.1</u>
23. Unit Cap Factor (DER Net)	<u>100.6</u>	<u>84.3</u>	<u>46.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.1</u>	<u>9.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>22.1</u>	<u>6,865.4</u>

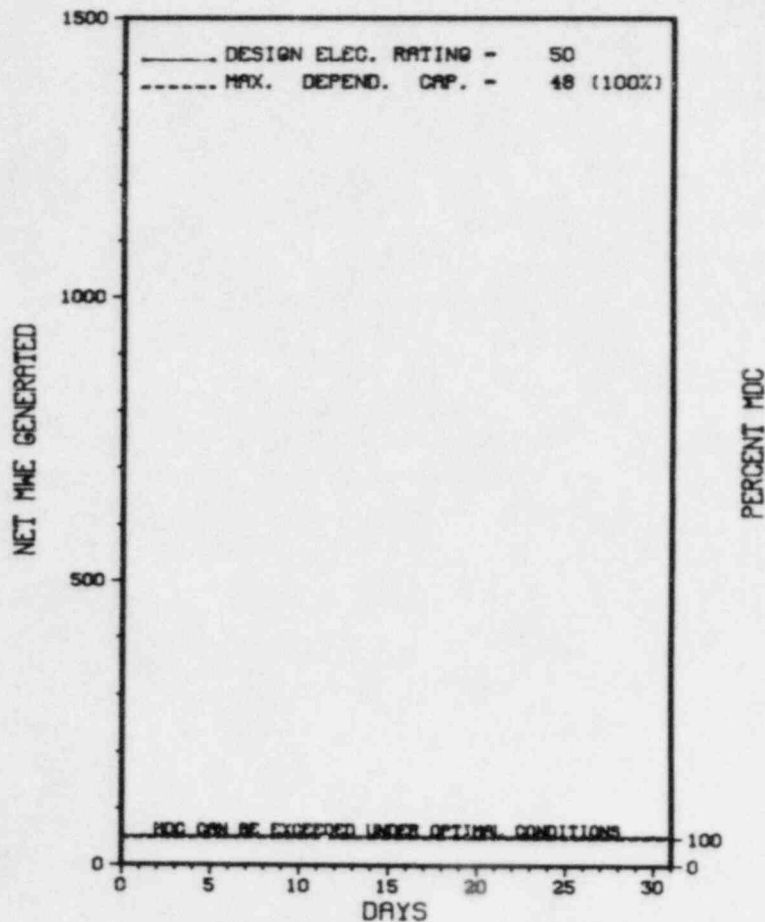
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* LA CROSSE *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

* SUMMARY *

LA CROSSE OPERATED AT FULL POWER DURING MARCH.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* LA CROSSE *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....VERNON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LACROSSE, WISC
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JULY 11, 1967
DATE ELEC ENER 1ST GENER...APRIL 26, 1968
DATE COMMERCIAL OPERATE...NOVEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DAIRYLAND POWER
CORPORATE ADDRESS.....2615 EAST AVENUE SOUTH
LACROSSE, WISCONSIN 54601
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS
CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY
TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WIEBE
LICENSING PROJ MANAGER....R. DUDLEY
DOCKET NUMBER.....50-409
LICENSE & DATE ISSUANCE...DPR-45, AUGUST 28, 1973
PUBLIC DOCUMENT ROOM.....LA CROSSE PUBLIC LIBRARY
800 MAIN STREET
LA CROSSE, WISCONSIN 54601

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 6-10, (84-03): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION PROGRAM INCLUDING: MANAGEMENT, STAFFING, TRAINING, ALARA, EXPOSURE CONTROL, SURVEYS, POSTINGS AND CONTROLS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO ADHERE TO RADIOLOGICAL CONTROL PROCEDURES; FAILURE TO PROPERLY CONTROL A HIGH RADIATION AREA).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XII, CONTROL OF MEASURING AND TEST EQUIPMENT, STATES "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT TOOLS, GAUGES, INSTRUMENTS, AND OTHER MEASURING AND TESTING DEVICES USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CONTROLLED, CALIBRATED, AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS." CONTRARY TO THE ABOVE, NEITHER THE STATIC TRIP DEVICE TEST SET NOR THE STOP WATCHES USED FOR TECHNICAL SPECIFICATION REQUIRED TIME TESTING WERE CALIBRATED AT SPECIFIED INTERVALS.
(8322 5)

OTHER ITEMS

1. Docket: 50-373 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DIANA L. LIN (815) 357-6761 X481

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1078

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>2,184.0</u>
13. Hours Reactor Critical	<u>340.8</u>	<u>1,157.5</u>	<u>1,158.5</u>
14. Rx Reserve Shtdwn Hrs	<u>403.2</u>	<u>992.6</u>	<u>992.6</u>
15. Hrs Generator On-Line	<u>300.7</u>	<u>1,035.6</u>	<u>1,035.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>578,129</u>	<u>8,717,819</u>	<u>8,717,819</u>
18. Gross Elec Ener (MWH)	<u>182,356</u>	<u>759,266</u>	<u>759,266</u>
19. Net Elec Ener (MWH)	<u>165,230</u>	<u>704,862</u>	<u>704,862</u>
20. Unit Service Factor	<u>40.4</u>	<u>47.4</u>	<u>47.4</u>
21. Unit Avail Factor	<u>40.4</u>	<u>47.5</u>	<u>47.5</u>
22. Unit Cap Factor (MDC Net)	<u>20.6</u>	<u>29.9</u>	<u>29.9</u>
23. Unit Cap Factor (DER Net)	<u>20.6</u>	<u>29.9</u>	<u>29.9</u>
24. Unit Forced Outage Rate	<u>48.8</u>	<u>46.1</u>	<u>46.1</u>
25. Forced Outage Hours	<u>286.7</u>	<u>884.5</u>	<u>884.5</u>

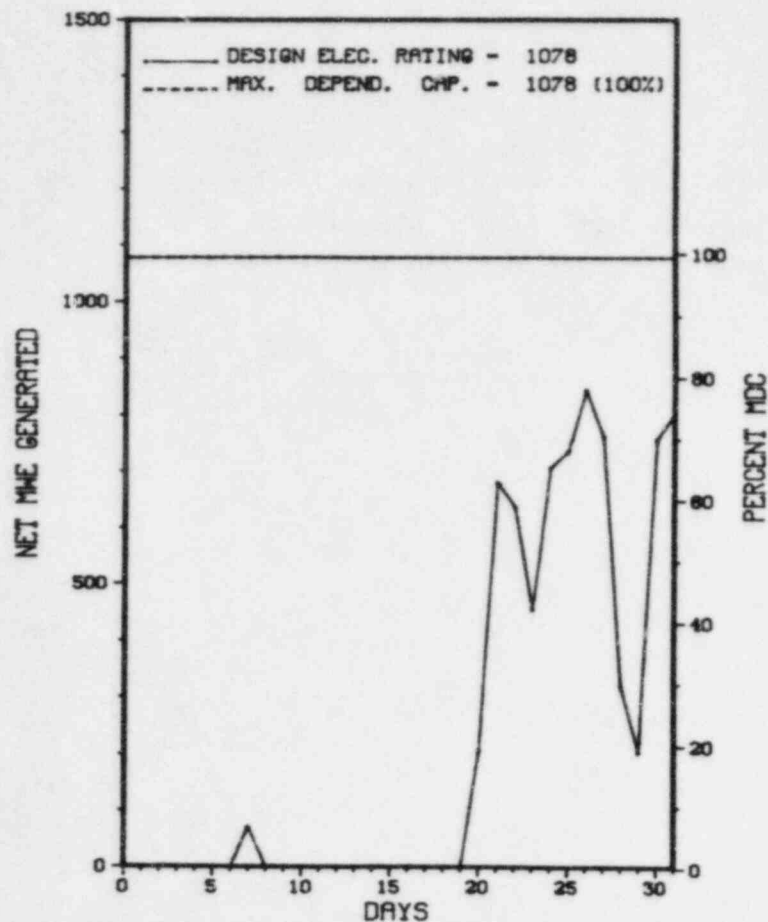
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	02/13/84	S	156.6	B	4				CONDENSER BOOT SEAL AND EXTRACTION STEAM EXPANSION JOINT REPAIRED.
7	03/08/84	F	286.7	F	1				TEMPORARY DRYWELL VENTILATION DUCTWORK EVALUATED FOR LOADING ON CONTAINMENT STRUCTURAL MEMBERS. ANALYSIS O.K. NO CORRECTIVE ACTION TAKEN. REMAINED SHUTDOWN TO PERFORM ELECTRICAL CABLE BUTT SPLICES INSPECTION REQUIRED BY NRC.

 * SUMMARY *

 LASALLE OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* LASALLE 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LA SALLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI SE OF
OTTAWA, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 21, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 4, 1982
DATE COMMERCIAL OPERATE....JANUARY 1, 1984
CONDENSER COOLING METHOD...POND
CONDENSER COOLING WATER...RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....W. GULDEMOND
LICENSING PROJ MANAGER.....A. BOURNIA
DOCKET NUMBER.....50-373
LICENSE & DATE ISSUANCE...NPF-11, AUGUST 13, 1982
PUBLIC DOCUMENT ROOM.....ILLINOIS VALLEY COMMUNITY COLLEGE
RURAL ROUTE NO. 1
OGLESBY, ILLINOIS 16348

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 19, THROUGH FEBRUARY 10, (83-54): ROUTINE, UNANNOUNCED INSPECTION OF PREVIOUS INSPECTION FINDINGS; PREOPERATIONAL TEST RESULTS REVIEW; PREOPERATIONAL TEST PROGRAM IMPLEMENTATION; UNIT 1 STARTUP TEST RESULTS; AND LICENSEE'S EVALUATION OF UNIT 1 STARTUP TEST RESULTS. THE INSPECTION INVOLVED A TOTAL OF 227 INSPECTOR-HOURS ONSITE BY 3 INSPECTORS INCLUDING 36 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE 5 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 3 AREAS. WITHIN THE REMAINING AREAS, 2 ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO HAVE A PROCEDURE TO TEST A SAFETY DESIGN FEATURE AND FAILURE TO USE A CALIBRATED INSTRUMENT).

INSPECTION ON DECEMBER 19, 20, 23, AND JANUARY 16 THROUGH FEBRUARY 10, (84-02): ROUTINE, UNANNOUNCED INSPECTION BY THREE RESIDENT INSPECTORS AND FOUR REGION BASED INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; OPERATOR TRAINING; STARTUP TEST WITNESSING; OPERATING EVENTS; PERIODIC AND SPECIAL REPORTS; AND UNIT 1 DRYWELL OVERTEMPERATURE CONDITIONS. THE INSPECTION INVOLVED 341 INSPECTOR-HOURS ONSITE INCLUDING 75 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN FIVE AREAS. THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (PROCEDURE VIOLATION; TWO PROCEDURE VIOLATIONS).

INSPECTION ON FEBRUARY 21-24, (84-06): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION PROGRAM, INCLUDING ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; AUDITS; RADIATION PROTECTION PROCEDURES; RETRAINING; EXTERNAL EXPOSURE CONTROL AND DOSIMETRY; INTERNAL EXPOSURE CONTROL AND ASSESSMENT; RESPIRATORY PROTECTION; INSTRUMENT CALIBRATION; CONTAMINATION CONTROLS; UNIT 1 STARTUP RADIATION SURVEYS; AND TECHNICAL EVALUATION OF NEUTRON MEASUREMENT EQUIPMENT. THE INSPECTION INVOLVED 60 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* LASALLE 1 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 26 - APRIL 14, 1984

INSPECTION REPORT NO: 84-10

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* LASALLE 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-06/	01/21/84	02/17/84	APRM READING LOW.
84-07/	02/03/84	03/28/84	REACTOR SCRAM- IMPROPERLY PLACED OHMMETER CAUSED RCIC TO INITIATE.
84-08/	02/19/84	03/13/84	NONCOINCIDENT SCRAM.
84-11/	02/13/84	03/14/84	REACTOR SCRAM RESULTING FROM LOSS OF VACUUM.
84-12/	02/14/84	03/15/84	CONTAINMENT LEAKAGE LIMIT EXCEEDED.
84-13/	02/14/84	03/15/84	MAIN STEAM LINE FLOW DPIS.
84-14/	02/01/84	03/26/84	PROCEDURE ERROR LES-R1-01.
84-15/	02/27/84	03/27/84	INADVERTENT GROUP 1 & 1V CONTAINMENT ISOLATION.

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1. Docket: 59-309 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: S. BIEMILLER (617) 827-8100

4. Licensed Thermal Power (MWt): 2630

5. Nameplate Rating (Gross MWe): 864

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 850

8. Maximum Dependable Capacity (Net MWe): 810

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

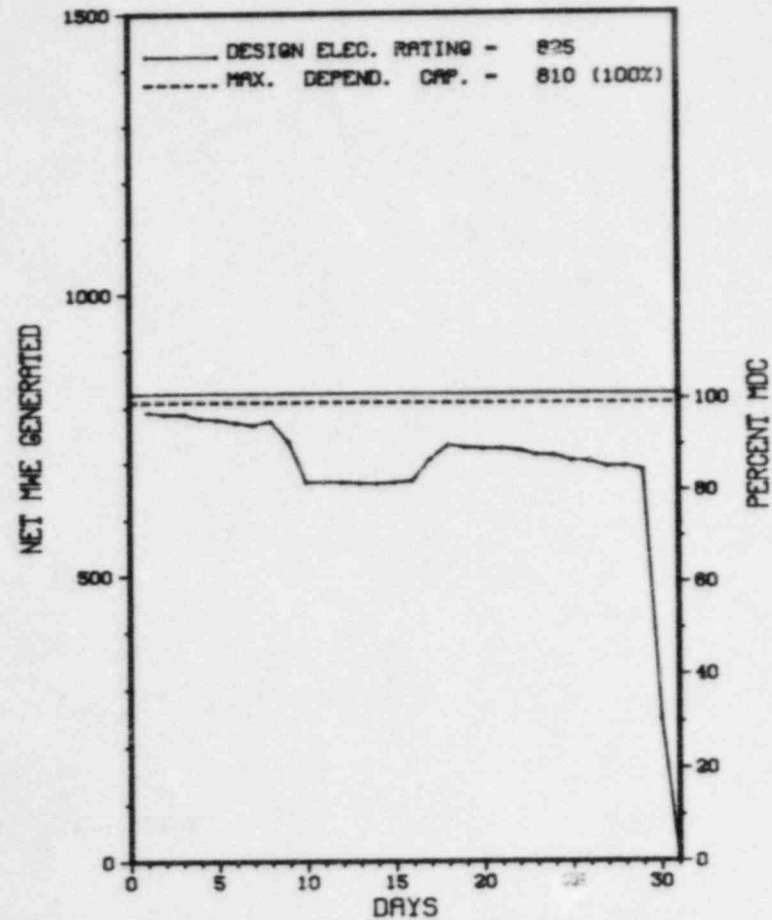
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>99,876.6</u>
13. Hours Reactor Critical	<u>712.3</u>	<u>2,125.7</u>	<u>80,737.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>709.7</u>	<u>2,107.7</u>	<u>78,187.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,619,178</u>	<u>5,166,538</u>	<u>174,278,326</u>
18. Gross Elec Ener (MWH)	<u>527,620</u>	<u>1,685,100</u>	<u>57,038,250</u>
19. Net Elec Ener (MWH)	<u>508,183</u>	<u>1,626,808</u>	<u>54,328,510</u>
20. Unit Service Factor	<u>95.4</u>	<u>96.5</u>	<u>78.3</u>
21. Unit Avail Factor	<u>95.4</u>	<u>96.5</u>	<u>78.3</u>
22. Unit Cap Factor (MDC Net)	<u>84.3</u>	<u>92.0</u>	<u>69.3*</u>
23. Unit Cap Factor (DER Net)	<u>82.8</u>	<u>90.3</u>	<u>67.4*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.0</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>42.0</u>	<u>5,455.4</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 05/10/84

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	03/10/84	F	0.0	B	5		HH	HTEXCH	REDUCED POWER FOR CHLORIDE INLEAKAGE INSPECTION.
2-84-7	03/30/84	S	34.3	C	1				SCHEDULED REFUELING SHUTDOWN FOR CORE 7/8.

 * SUMMARY *

 MAINE YANKEE SHUTDOWN ON MARCH 30TH FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* MAINE YANKEE *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE
COUNTY.....LINCOLN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI N OF
BATH, ME
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 23, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 8, 1972
DATE COMMERCIAL OPERATE....DECEMBER 28, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER... BACK RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER
CORPORATE ADDRESS.....83 EDISON DRIVE
AUGUSTA, MAINE 04366
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. HOLDEN
LICENSING PROJ MANAGER....K. HEITNER
DOCKET NUMBER.....50-309
LICENSE & DATE ISSUANCE...DPR-36, JUNE 29, 1973
PUBLIC DOCUMENT ROOM.....WISCASSET PUBLIC LIBRARY
HIGH STREET
WISCASSET, MAINE 04578

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 71.12(A) IS A GENERAL LICENSE ISSUED TO ANY LICENSEE OF THE COMMISSION TO TRANSPORT LICENSED MATERIAL IN A PACKAGE FOR WHICH A CERTIFICATE OF COMPLIANCE HAS BEEN ISSUED BY THE NRC. 10 CFR 71.12(C) REQUIRES A LICENSEE USING SUCH A PACKAGE TO HAVE A COPY OF THE CERTIFICATE OF COMPLIANCE FOR THE PACKAGE, AND THE LICENSEE MUST COMPLY WITH THE TERMS AND CONDITIONS OF THE CERTIFICATE. 1) CERTIFICATE OF COMPLIANCE NO. 6601, REVISION NO. 12 REQUIRES THAT THE DECAY HEAT LOAD NOT EXCEED 20 WATTS. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT DETERMINE THE DECAY HEAT LOAD OF A PACKAGE OF 85.6 CURIES OF LICENSED MATERIAL SHIPPED ON OCTOBER 3, 1983, HAVING THE C OF C NO. 6601. 2) CONDITION NO. 9 OF CERTIFICATE OF COMPLIANCE NO. 6601 FOR PACKAGE MODEL NO. CNS 8-120, REQUIRES THE DRAIN LINE AND ACCESS PLUGS TO BE APPROPRIATELY PLUGGED AND SEALED PRIOR TO TRANSPORT. CONTRARY TO THE ABOVE, PACKAGE MODEL NO. CNS 8-120, C OF C NO. 6601, WAS USED TO TRANSPORT 85.6 CURIES OF LICENSED MATERIAL ON OCTOBER 3, 1983, AND THE DRAIN LINE AND ACCESS PLUGS WERE NOT VERIFIED TO BE APPROPRIATELY PLUGGED AND SEALED PRIOR TO TRANSPORT. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8321 5)

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* MAINE YANKEE *

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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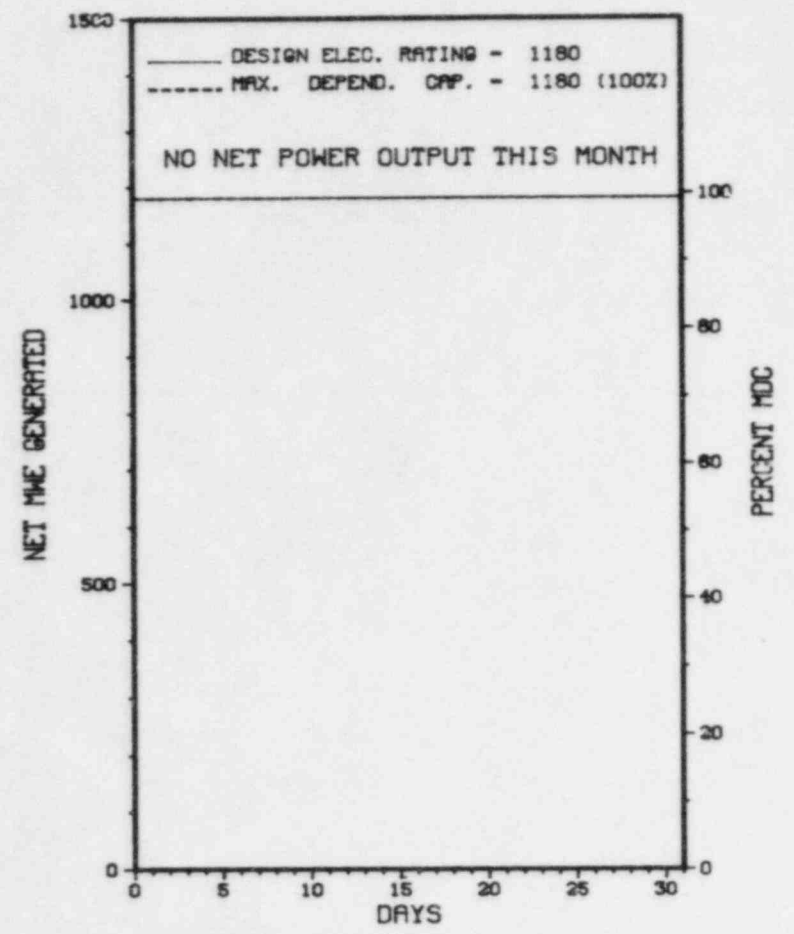
NO INPUT PROVIDED.

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 * MCGUIRE 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



MARCH 1984

1. Docket: 50-369 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS (704) 373-8552
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1305
6. Design Electrical Rating (Net MWe): 1180
7. Maximum Dependable Capacity (Gross MWe): 1225
8. Maximum Dependable Capacity (Net MWe): 1180
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>20,448.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,295.1</u>	<u>13,823.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,289.4</u>	<u>13,238.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,112,690</u>	<u>31,549,759</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,442,257</u>	<u>10,959,381</u>
19. Net Elec Ener (MWH)	<u>-4,295</u>	<u>1,381,746</u>	<u>10,338,001</u>
20. Unit Service Factor	<u>.0</u>	<u>59.0</u>	<u>64.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>59.0</u>	<u>64.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>53.6</u>	<u>42.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>53.6</u>	<u>42.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>19.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>20.8</u>	<u>3,106.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 04/24/84

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/24/84	S	744.0	C	4		RC	FUELXX	CYCLE 1 REFUELING OUTAGE CONTINUES.

* SUMMARY *

MCGUIRE REMAINS SHUTDOWN IN A CONTINUING
REFUELING/MAINTENANCE OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* MCGUIRE 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....MECKLENBURG
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 8, 1981
DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1981
DATE COMMERCIAL OPERATE....DECEMBER 1, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
HUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER.....R. BIRKEL
DOCKET NUMBER.....50-369
LICENSE & DATE ISSUANCE...NPF-9, JULY 8, 1981
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 13-17 (84-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 20 - FEBRUARY 20 (84-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND TMI ACTION ITEMS REVIEW. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 5-9 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF LER'S, IE BULLETIN'S, AND REFUELING ACTIVITIES. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period MAR 1984

REPORTS FROM LICENSEE - (CONTINUED)

* MCGUIRE 1 *

83-121/ 03-L	12/31/83	01/30/84	INVALID FIRE ALARM FOR EFA-116 RECEIVED, DUE TO CARBON DUST ON DETECTOR.
840-001/ --	01/09/84	02/15/84	UNIT 1 VALVE SUPPORT AND CLAMP REMOVED IN AUX. BLDG.
84-002/ --	01/30/84	02/29/84	UNIT 1 REACTOR TRIP WAS INITIATED BY OVERTEMPERATURE DELTA T SIGNAL. THIS EVENT IS ATTRIBUTED TO THE FAILURE OF A LEAD/LAG CARD.

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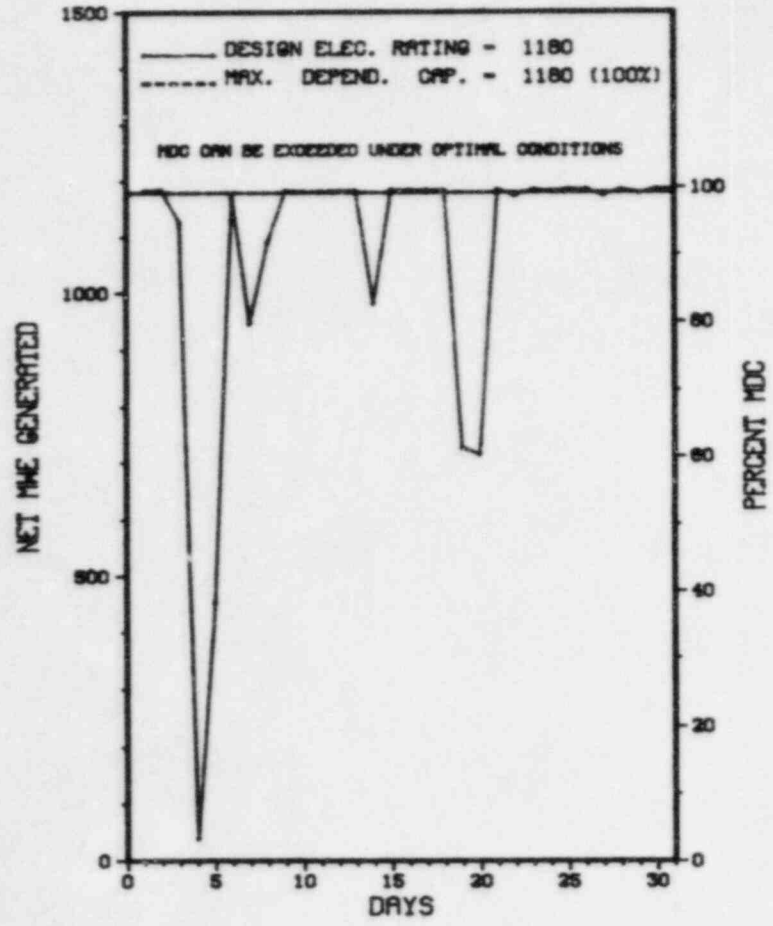
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1. Docket: 50-370 OPERATING STATUS
 2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
 3. Utility Contact: J. A. REAVIS EXT (704) 373-7567
 4. Licensed Thermal Power (MWt): 3411
 5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305
 6. Design Electrical Rating (Net MWe): 1180
 7. Maximum Dependable Capacity (Gross MWe): 1225
 8. Maximum Dependable Capacity (Net MWe): 1180
 9. If Changes Occur Above Since Last Report, Give Reasons:

 * MCGUIRE 2 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



MARCH 1984

10. Power Level To Which Restricted, if Any (Net MWe): _____
 11. Reasons for Restrictions, if Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>744.0</u>
13. Hours Reactor Critical	<u>707.0</u>	<u>707.0</u>	<u>707.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>701.8</u>	<u>701.8</u>	<u>701.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,306,794</u>	<u>2,306,794</u>	<u>2,306,794</u>
18. Gross Elec Ener (MWH)	<u>828,863</u>	<u>828,863</u>	<u>828,863</u>
19. Net Elec Ener (MWH)	<u>798,723</u>	<u>798,723</u>	<u>798,723</u>
20. Unit Service Factor	<u>94.3</u>	<u>94.3</u>	<u>94.3</u>
21. Unit Avail Factor	<u>94.3</u>	<u>94.3</u>	<u>94.3</u>
22. Unit Cap Factor (MDC Net)	<u>91.0</u>	<u>91.0</u>	<u>91.0</u>
23. Unit Cap Factor (DER Net)	<u>91.0</u>	<u>91.0</u>	<u>91.0</u>
24. Unit Forced Outage Rate	<u>5.7</u>	<u>5.7</u>	<u>5.7</u>
25. Forced Outage Hours	<u>42.2</u>	<u>42.2</u>	<u>42.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: N/A

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1-P	03/03/84	F	0.0	D	5		HI	VALVEX	INVESTIGATE 2-3 GPM LEAK INSIDE CONTAINMENT.
2-P	03/04/84	F	0.0	A	5		CH	VALVEX	FEEDWATER ISOLATION VALVE STUCK OPEN.
1	03/04/84	F	27.1	A	2		HI	VALVEX	REPAIR PACKING LEAK ON STEAM GENERATOR BLOW DOWN VALVE.
3-P	03/05/84	F	0.0	A	5		IB	INSTRU	EXCORE CALIBRATIONS.
4-P	03/07/84	F	0.0	B	5		CB	PUMPXX	REACTOR COOLANT PUMP OVERCURRENT TEST.
5-P	03/14/84	F	0.0	D	5		ZZ	PENETR	CONTAINMENT PENETRATION TESTING TO VERIFY INTEGRITY.
2	03/19/84	F	15.1	A	3		CC	HTEXCH	BAD CARD CAUSED STEAM GENERATOR PRESSURE INDICATION TO FAIL LO.
6-P	03/22/84	S	0.0	B	5		IA	INSTRU	REACTOR PROTECTION SYSTEM TESTING.
7-P	03/24/84	S	0.0	B	5		IA	INSTRU	REACTOR PROTECTION SYSTEM TESTING.
8-P	03/27/84	S	0.0	B	5		IA	INSTRU	REACTOR PROTECTION SYSTEM TESTING.
9-P	03/29/84	S	0.0	B	5		IA	INSTRU	REACTOR PROTECTION SYSTEM TESTING.

 * SUMMARY *

 MCGUIRE 2 COMMENCED COMMERCIAL OPERATION ON MARCH 1, 1984, AND OPERATED ROUTINELY THE REMAINDER OF THE REPORT PERIOD.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* MCGUIRE 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....MECKLENBURG
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 8, 1983
DATE ELEC ENER 1ST GENER...MAY 23, 1983
DATE COMMERCIAL OPERATE...MARCH 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....POWER BLDG., BOX 2178
CHARLOTTE, NORTH CAROLINA 28201
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER.....R. BIRKEL
DOCKET NUMBER.....50-370
LICENSE & DATE ISSUANCE...NPF-17, MAY 27, 1983
PUBLIC DOCUMENT ROOM.....

UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 13-17 (84-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 20 - FEBRUARY 20 (84-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND TMI ACTION ITEMS REVIEW. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE ITEM OF NONCOMPLIANCE WAS FOUND IN TWO AREAS (FAILURE TO FOLLOW PROCEDURE RESULTING IN DESTRUCTION OF 2A NV PUMP AND FAILURE TO FOLLOW PROCEDURE RESULTING IN REACTOR TRIP (50-370/84-04-01) - PARAGRAPH 6 AND 8).

INSPECTION MARCH 5-9 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF LER'S, IE BULLETIN'S, AND REFUELING ACTIVITIES. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E -- (CONTINUED)

* MCGUIRE 2 *

83-090/ 03-L	12/23/83	02/03/84	ISOLATION TRANSFORMER FOR 2A GEN. BREAKER SYNCH. CHECK RELAYS OVERHEATED AND BEGAN TO EMIT SMOKE, DUE TO A SHORT.
83-091/ 03-L	12/24/83	01/23/84	INVALID FIRE ALARM RECEIVED FOR EFA-170 AND WOULD NOT RESET, DUE TO DUST ACCUMULATION IN 1 OF THE DETECTORS.
83-092/ 03-L	12/31/83	02/08/84	RESIDUAL HEAT REMOVAL PUMP 'B' SHOWING ZERO DISCHARGE FLOW AND SUBSEQUENTLY TRIPPED, DUE TO PROCEDURAL DEFICIENCIES.
84-001/ --	01/09/84	02/15/84	RESIDUAL HEAT REMOVAL PUMP 'B' SHOWING ZERO DISCHARGE FLOW/ALARM FOR LOW ND PUMP 'A' DISCHARGE PRESS RECEIVED, ANNUNCIATOR ALARM RECEIVED, INCIDENTS DUE TO PROCEDURAL DEFICIENCIES.
84-002/ --	01/15/84	02/29/84	OPERATORS CLOSED THE BREAKERS FOR VALVES 2ND-1B AND 2ND-2A. THIS INCIDENT IS ATTRIBUTED TO PERSONNEL ERROR. PROCEDURES WERE REVISED.
84-003/ --	01/22/84	02/21/84	PRESSURIZER PRESSURE EXCEEDED 2385 PSIG, DUE TO PERSONNEL ERROR.
84-004/ --	01/15/84	02/29/84	CHEMICAL AND VOLUME CONTROL (NV) PUMP 2A WAS DECLARED INOPERABLE AT 2317 ON JANUARY 15 AFTER THE PUMP WAS STARTED AND RUN FOR APPROXIMATELY 19 MINUTES WITHOUT SUCTION.
84-005/ --	02/02/84	03/05/84	A UNIT 2 REACTOR TRIP WAS INITIATED. THE TRIP OCCURRED WHEN AN INSTRUMENT AND ELECTRICAL SPECIALIST ACCIDENTLY PUSHED THE RED TRIP PUSHBUTTON.
84-006/ --	02/03/84	03/05/84	TOTAL DRPI SYSTEM FAILURE. THIS EVENT IS ATTRIBUTED TO FAILURES OF A CENTRAL CONTROL CARD.

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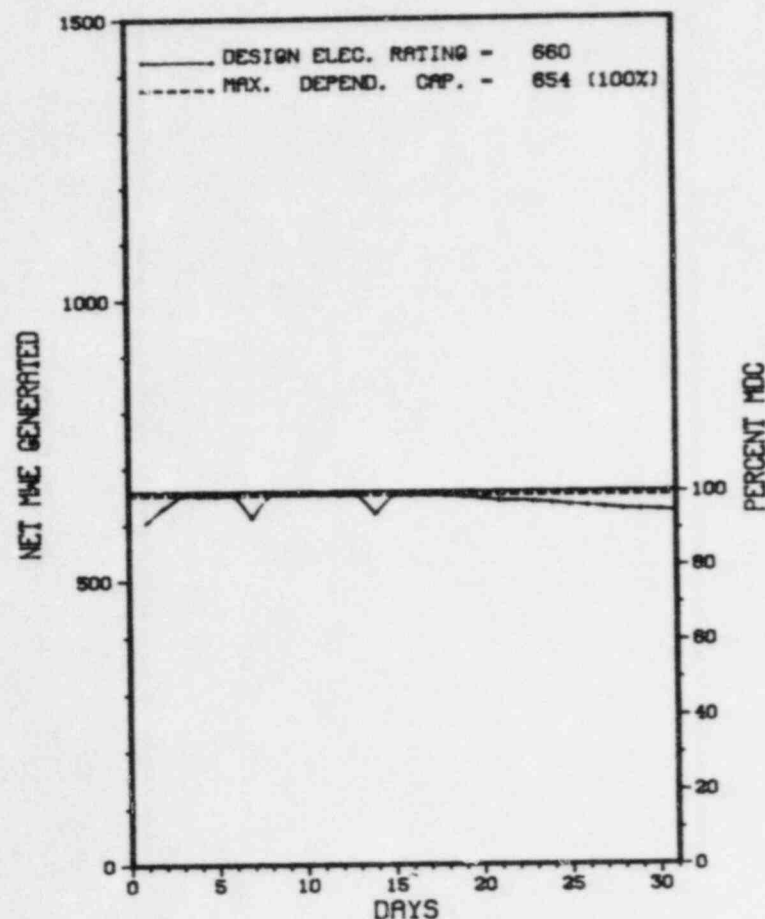
1. Docket: 50-245 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: GEORGE HARRAN (203) 447-1791 X4194
4. Licensed Thermal Power (Mwt): 2011
5. Nameplate Rating (Gross MWe): 735 X 0.9 = 662
6. Design Electrical Rating (Net MWe): 660
7. Maximum Dependable Capacity (Gross MWe): 684
8. Maximum Dependable Capacity (Net MWe): 654
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>116,928.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,184.0</u>	<u>88,948.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,775.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,184.0</u>	<u>86,201.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>26.5</u>
17. Gross Therm Ener (MWH)	<u>1,464,164</u>	<u>4,303,874</u>	<u>157,352,742</u>
18. Gross Elec Ener (MWH)	<u>499,500</u>	<u>1,473,600</u>	<u>52,836,796</u>
19. Net Elec Ener (MWH)	<u>476,229</u>	<u>1,407,293</u>	<u>50,388,550</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>73.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>73.7</u>
22. Unit Cap Factor (MDC Net)	<u>97.9</u>	<u>98.5</u>	<u>65.9</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>97.6</u>	<u>65.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,673.7</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>APRIL 15, 1984, REFUELING, DURATION OF 15 WEEKS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

* SUMMARY *

MILLSTONE 1 OPERATED AT OR NEAR FULL POWER DURING THE REPORT PERIOD.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>	
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training		5-Reduced Load	Licensee Event Report
	& License Examination		9-Other	(LER) File (NUREG-0161)

* MILLSTONE 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....NEW LONDON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 26, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 29, 1970
DATE COMMERCIAL OPERATE...MARCH 1, 1971
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LONG ISLAND SOUND
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHEAST NUCLEAR ENERGY
CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. SHEDLOSKY
LICENSING PROJ MANAGER.....J. SHEA
DOCKET NUMBER.....50-245
LICENSE & DATE ISSUANCE...DPR-21, OCTOBER 26, 1970
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
45 ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

SECTION 6.8.1 OF THE TECHNICAL SPECIFICATIONS REQUIRES THAT WRITTEN PROCEDURES IMPORTANT TO SAFETY SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED. SECTION 6.8.2 WHICH IS REFERENCED BY SECTION 6.8.1 REQUIRES THAT PROCEDURE CHANGES BE REVIEWED BY THE PORC/SORC, AS APPLICABLE, AND APPROVED BY THE UNIT SUPERINTENDENT/STATION SUPERINTENDENT PRIOR TO IMPLEMENTATION. CONTRARY TO THE ABOVE, SECTION 5.6 (H) OF PROCEDURE CP 809A, LIQUID WASTE DISCHARGE, WAS CHANGED IN JULY 1979 BUT WAS NOT REVIEWED AND APPROVED PRIOR TO THE IMPLEMENTATION AS REQUIRED. SECTION 5.6 (H) OF PROCEDURE CP 809A DESCRIBES THE HI-HI ALARM SETTING FOR THE LIQUID WASTE MONITOR. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).
(8320 4)

OTHER ITEMS

1. Docket: 50-336 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: J. GIBSON (203) 447-1791 X 4419

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1011 X 0.9 = 910

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 895

8. Maximum Dependable Capacity (Net MWe): 860

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

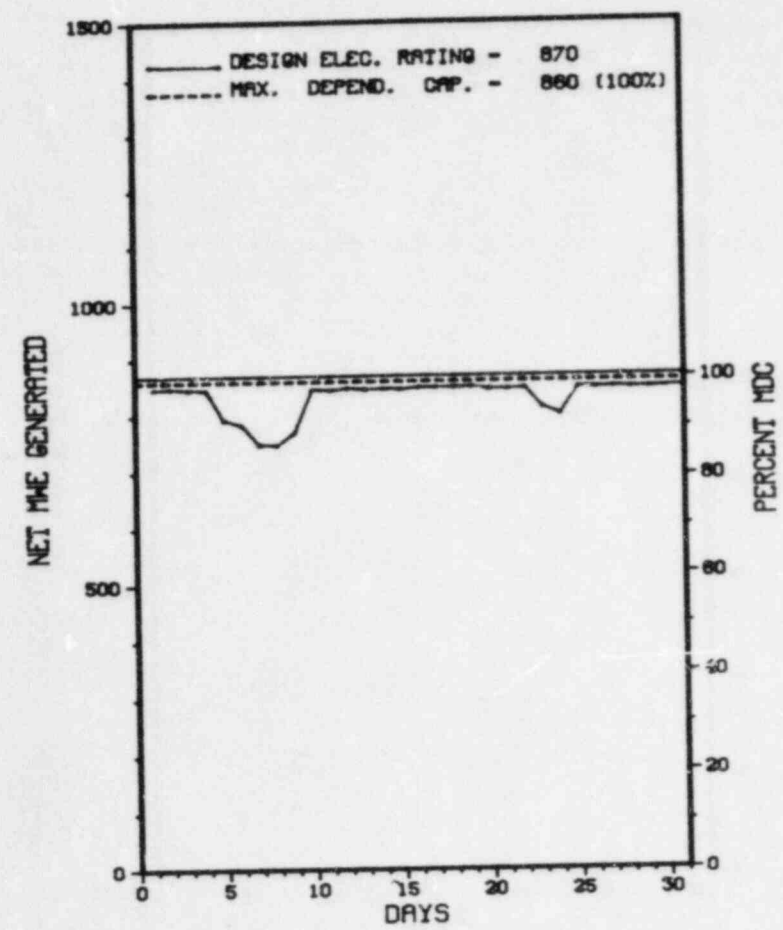
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>72,456.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,060.9</u>	<u>50,425.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,758.1</u>	<u>47,940.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,971,567</u>	<u>4,288,871</u>	<u>120,605,247</u>
18. Gross Elec Ener (MWH)	<u>642,200</u>	<u>1,377,601</u>	<u>39,174,973</u>
19. Net Elec Ener (MWH)	<u>619,080</u>	<u>1,312,980</u>	<u>37,527,728</u>
20. Unit Service Factor	<u>100.0</u>	<u>80.5</u>	<u>66.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>80.5</u>	<u>66.8</u>
22. Unit Cap Factor (MDC Net)	<u>96.8</u>	<u>69.9</u>	<u>61.6*</u>
23. Unit Cap Factor (DER Net)	<u>95.6</u>	<u>69.1</u>	<u>60.7*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.0</u>	<u>18.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>173.4</u>	<u>9,796.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: N/A

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 2



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
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NONE

* SUMMARY *

MILLSTONE 2 OPERATED ROUTINELY DURING THE REPORT PERIOD.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* MILLSTONE 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....NEW LONDON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 17, 1975
DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1975
DATE COMMERCIAL OPERATE....DECEMBER 26, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LONG ISLAND SOUND
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHEAST NUCLEAR ENERGY
CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. SHEDLOSKY
LICENSING PROJ MANAGER.....K. HEITNER
DOCKET NUMBER.....50-336
LICENSE & DATE ISSUANCE....DPR-65, SEPTEMBER 30, 1975
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
45 ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.3.1.1 REQUIRES THAT A MINIMUM OF 3 REACTOR PROTECTIVE SYSTEM CHANNELS BE MAINTAINED OPERABLE IN THE FUNCTIONAL AREAS OF HIGH POWER, THERMAL MARGIN/LOW PRESSURE DURING OPERATION IN MODES 1 AND 2 (REACTOR CRITICAL) AND THE FUNCTIONAL AREA OF LOCAL POWER DENSITY DURING OPERATION IN MODE 1 (REACTOR CRITICAL AT A POWER LEVEL OF AT LEAST 5% OF RATED POWER). CONTRARY TO THE ABOVE, BETWEEN JANUARY 5 AND JANUARY 17, 1984, THE REACTOR WAS OPERATED IN MODES 1 AND 2 WITH ONLY 2 REACTOR PROTECTIVE SYSTEM CHANNELS OPERABLE IN THE FUNCTIONAL AREAS OF HIGH POWER, THERMAL MARGIN/LOW PRESSURE, AND LOCAL POWER DENSITY.
(8402 3)

OTHER ITEMS

1. Docket: 50-263 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: A. L. Myrabo (612) 295-5151

4. Licensed Thermal Power (MWt): 1670

5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569

6. Design Electrical Rating (Net MWe): 545

7. Maximum Dependable Capacity (Gross MWe): 553

8. Maximum Dependable Capacity (Net MWe): 525

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>111,793.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>810.5</u>	<u>89,915.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>808.8</u>	<u>88,003.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>897,898</u>	<u>141,233,814</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>296,117</u>	<u>45,185,053</u>
19. Net Elec Ener (MWH)	<u>-1,302</u>	<u>277,831</u>	<u>43,190,137</u>
20. Unit Service Factor	<u>.0</u>	<u>37.0</u>	<u>78.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>37.0</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>24.2</u>	<u>73.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>23.3</u>	<u>70.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,288.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

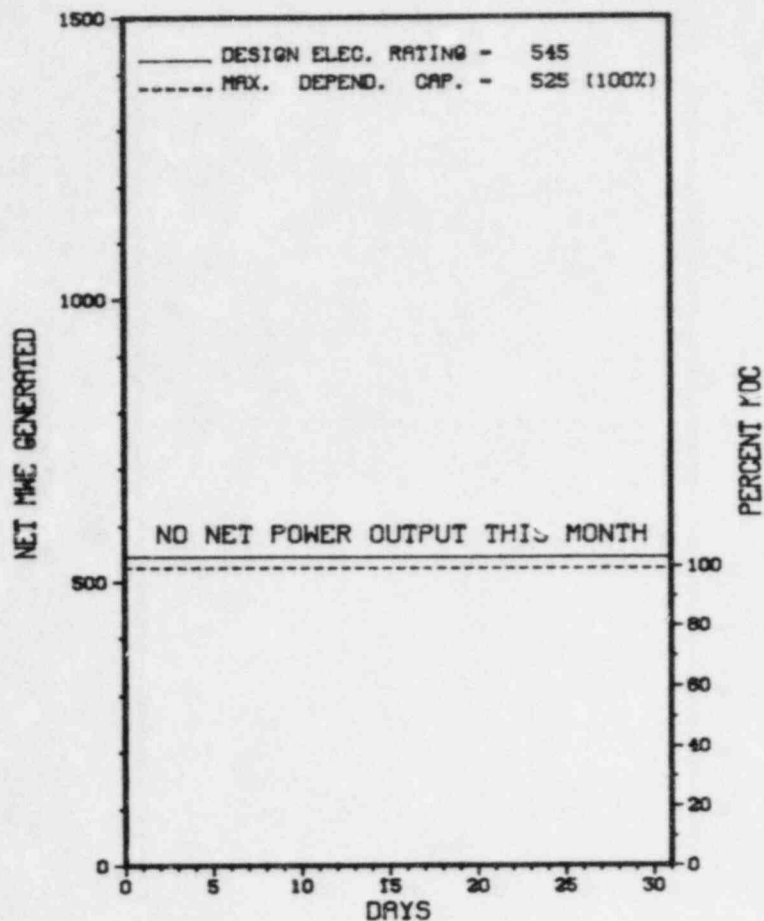
NONE

27. If Currently Shutdown Estimated Startup Date: 10/24/84

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/03/84	S	744.0	C	4		RC	FUELXX	CONTINUATION OF 1984 REFUELING OUTAGE.

***** MONTICELLO REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE
 * SUMMARY * OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	F-Admin	2-Manual Scram	Instructions for
	B-Maint or Test	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

* MONTICELLO *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....WRIGHT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NW OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...DECEMBER 10, 1970
DATE ELEC ENER 1ST GENER...MARCH 5, 1971
DATE COMMERCIAL OPERATE....JUNE 30, 1971
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER
CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....C. BROWN
LICENSING PROJ MANAGER....H. NICOLARAS
DOCKET NUMBER.....50-263
LICENSE & DATE ISSUANCE....DPR-22, JANUARY 9, 1981
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 6-10, (84-02): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING A MAJOR OUTAGE. ACTIVITIES REVIEWED INCLUDED ORGANIZATION AND MANAGEMENT CONTROL, AUDITS, ADVANCE PLANNING AND PREPARATION, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, ALARA, RADIOACTIVE MATERIAL CONTROL, SURVEYS, STATUS OF THE RECIRCULATION PIPING REPLACEMENT PROJECT (RPRP), AND A REVIEW OF PREVIOUS INSPECTION FINDINGS, OPEN ITEMS, AND COMMITMENTS. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-220 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JAN HALLENBECK (315) 349-2555

4. Licensed Thermal Power (MWt): 1850

5. Nameplate Rating (Gross MWe): 755 X 0.85 = 642

6. Design Electrical Rating (Net MWe): 620

7. Maximum Dependable Capacity (Gross MWe): 630

8. Maximum Dependable Capacity (Net MWe): 610

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>126,360.0</u>
13. Hours Reactor Critical	<u>388.5</u>	<u>1,828.5</u>	<u>88,131.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>385.5</u>	<u>1,825.5</u>	<u>85,313.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>589,280</u>	<u>3,062,522</u>	<u>141,156,879</u>
18. Gross Elec Ener (MWH)	<u>196,936</u>	<u>1,034,284</u>	<u>46,666,066</u>
19. Net Elec Ener (MWH)	<u>190,366</u>	<u>1,001,923</u>	<u>45,196,682</u>
20. Unit Service Factor	<u>51.8</u>	<u>83.6</u>	<u>67.5</u>
21. Unit Avail Factor	<u>51.8</u>	<u>83.6</u>	<u>67.5</u>
22. Unit Cap Factor (MDC Net)	<u>41.9</u>	<u>75.2</u>	<u>58.6</u>
23. Unit Cap Factor (DER Net)	<u>41.3</u>	<u>74.0</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>17.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,940.9</u>

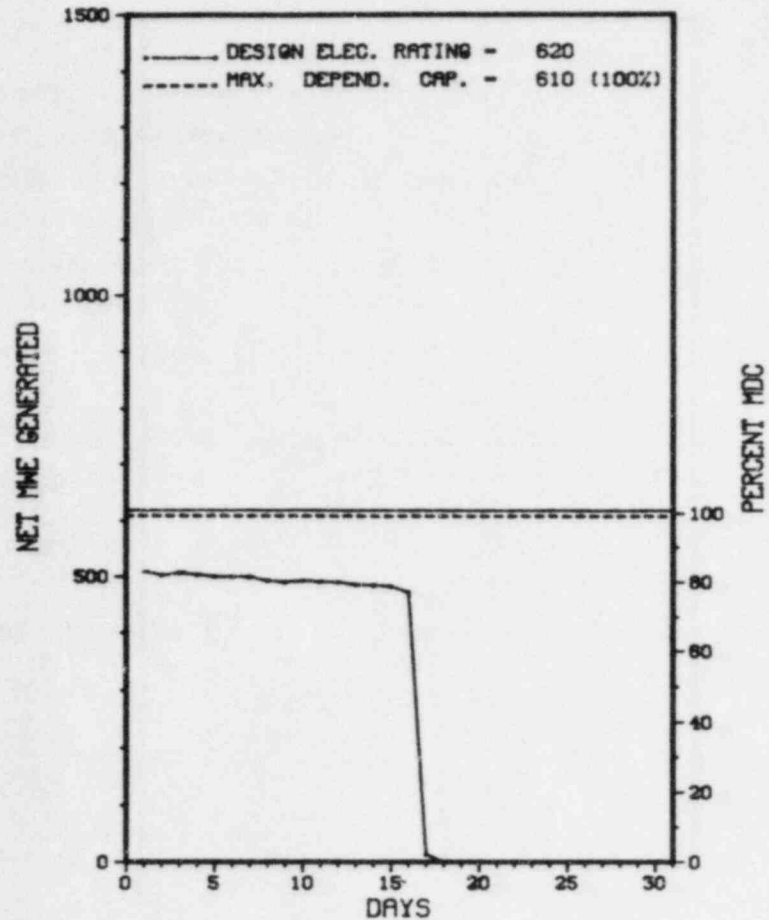
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/15/84

* NINE MILE POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-6	03/17/84	S	358.5	C	4		RC	FUELXX	UNIT SHUTDOWN FOR BIENNIAL REFUEL AND OVERHAUL.

* SUMMARY *

NINE MILE POINT 1 SHUTDOWN ON MARCH 17TH FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* NINE MILE POINT 1 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NE OF
OSWEGO, NY

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 5, 1969
DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1969
DATE COMMERCIAL OPERATE...DECEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ONTARIO

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER

CORPORATE ADDRESS.....300 ERIE BOULEVARD WEST
SYRACUSE, NEW YORK 13202

CONTRACTOR
ARCHITECT/ENGINEER.....NIAGARA MOHAWK POWER CORP.

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....S. HUDSON
LICENSING PROJ MANAGER.....R. HERMANN
DOCKET NUMBER.....50-220

LICENSE & DATE ISSUANCE....DPR-63, DECEMBER 26, 1974

PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 71.12(B)(1)(II) REQUIRES THAT A PERSON USING A PACKAGE TO TRANSPORT LICENSED MATERIAL MUST HAVE A COPY OF THE CERTIFICATE OF COMPLIANCE, AND THE PERSON MUST ALSO COMPLY WITH THE CONDITIONS OF THE CERTIFICATE. 1. CERTIFICATE OF COMPLIANCE NO. 9111, REV. NO. 8, REQUIRES THAT THE DECAY HEAT LOAD SHALL NOT EXCEED 400 WATTS. CONTRARY TO THE ABOVE, ON FEBRUARY 11, 1983, THE LICENSEE SHIPPED ABOUT 14 CURIES OF LICENSED MATERIAL IN A PACKAGE HAVING THE CERTIFICATE OF COMPLIANCE NO. 9111, AND THE LICENSEE DID NOT DETERMINE THE DECAY HEAT LOAD. 2. CERTIFICATE OF COMPLIANCE NO. 9094, REV. NO. 6, REQUIRES THAT THE CONTENTS OF A PACKAGE MUST MEET THE REQUIREMENTS FOR LOW SPECIFIC ACTIVITY MATERIAL. CONTRARY TO THE ABOVE, ON APRIL 22, 1983, THE LICENSEE SHIPPED ABOUT 8 CURIES OF LICENSED MATERIAL IN A PACKAGE HAVING THE CERTIFICATE OF COMPLIANCE NO. 9094, AND THE LICENSEE DID NOT DETERMINE THAT THE MATERIAL MET THE REQUIREMENTS FOR LOW SPECIFIC ACTIVITY MATERIAL. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V). 10 CFR 71.101(B) REQUIRES EACH LICENSEE TO ESTABLISH A QUALITY ASSURANCE PROGRAM FOR PACKAGES. 10 CFR 71.101(F) STATES THAT A COMMISSION APPROVED QUALITY ASSURANCE PROGRAM THAT SATISFIES THE APPLICABLE CRITERIA OF APPENDIX B OF PART 50 OF THIS CHAPTER, AND WHICH IS ESTABLISHED, MAINTAINED, AND EXECUTED WITH REGARD TO TRANSPORT PACKAGES WILL BE ACCEPTED AS SATISFYING THE REQUIREMENTS OF PARAGRAPH (B) OF THIS SECTION. CRITERIA II, APPENDIX B OF PART 50 OF THE LICENSEE'S PREVIOUSLY APPROVED

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* NINE MILE POINT 1 *

ENFORCEMENT SUMMARY

PROGRAM REQUIRES THE LICENSEE TO IDENTIFY THE STRUCTURES, SYSTEMS, AND COMPONENTS TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. CONTRARY TO THE ABOVE, AS OF NOVEMBER 9, 1983, THE LICENSEE STILL HAS NOT IDENTIFIED TRANSPORT PACKAGES AS A STRUCTURE, SYSTEM, OR COMPONENT TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. A SPECIFIC APPROVAL OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM FOR TRANSPORT PACKAGES WAS ISSUED BY THE DIVISION OF FUEL CYCLE AND MATERIAL SAFETY ON, OR ABOUT, JUNE 1, 1979. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V). 10 CFR 71.105(D) STATES, "THE LICENSEE SHALL PROVIDE FOR INDOCTRINATION AND TRAINING OF PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY AS NECESSARY TO ASSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED. CONTRARY TO THE ABOVE, ONE LICENSEE EMPLOYEE PERFORMING ACTIVITIES AFFECTING QUALITY HAS NOT BEEN TRAINED IN DOT AND NRC REGULATORY REQUIREMENTS INVOLVED IN THE TRANSFER, PACKAGING, AND TRANSPORT OF RADIOACTIVE MATERIAL TO ASSURE THAT SUITABLE PROFICIENCY WAS ACHIEVED AND MAINTAINED. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8326 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JOAN N. LEE (703) 894-5151 X2527

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 930

8. Maximum Dependable Capacity (Net MWe): 883

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC NET CHANGED TO REFLECT SERVICE LOADS.

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: NONE

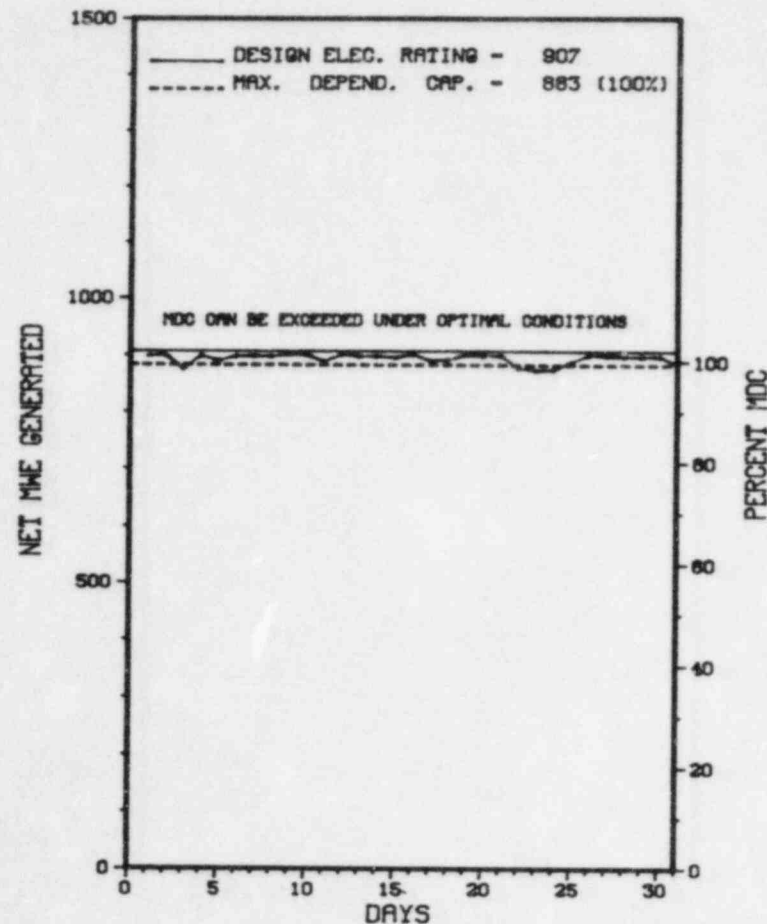
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>51,025.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,452.6</u>	<u>35,039.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>7.1</u>	<u>2,182.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,431.8</u>	<u>34,093.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,058,504</u>	<u>3,891,696</u>	<u>88,947,473</u>
18. Gross Elec Ener (MWH)	<u>699,411</u>	<u>1,317,626</u>	<u>28,701,812</u>
19. Net Elec Ener (MWH)	<u>665,347</u>	<u>1,251,466</u>	<u>27,082,680</u>
20. Unit Service Factor	<u>100.0</u>	<u>65.6</u>	<u>66.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>65.6</u>	<u>66.8</u>
22. Unit Cap Factor (MDC Net)	<u>101.3</u>	<u>65.0</u>	<u>60.1</u>
23. Unit Cap Factor (DER Net)	<u>98.6</u>	<u>63.2</u>	<u>58.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>34.4</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>752.2</u>	<u>5,320.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>UNIT 1 REFUELING OUTAGE: 05-11-84</u>			

27. If Currently Shutdown Estimated Startup Date: N/A

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-06	03/03/84	S	0.0	B	5				UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-07	03/10/84	S	0.0	B	5				UNIT 1 REAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-08	03/17/84	S	0.0	B	5				UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-09	03/24/84	S	0.0	B	5				UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-10	03/31/84	S	0.0	B	5				UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. ENDED THIS MONTH WITH UNIT AT 94% POWER LEVEL AT 881 MW FOR TURBINE VALVE FREEDOM TEST.

***** NORTH ANNA 1 OPERATED ROUTINELY DURING MARCH.
 * SUMMARY *

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* NORTH ANNA 1 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 5, 1978
DATE ELEC ENER 1ST GENER...APRIL 17, 1978
DATE COMMERCIAL OPERATE...JUNE 6, 1978
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. JOHNSON
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-338
LICENSE & DATE ISSUANCE...NPF-4, APRIL 1, 1978
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 6 - FEBRUARY 5 (84-01): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 113 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE AND MAINTENANCE ACTIVITIES, PREVIOUS INSPECTION FINDINGS, PREVIOUSLY IDENTIFIED ITEMS, SAFETY SYSTEM WALKDOWNS, LICENSEE EVENT REPORTS, TMI ACTION PLAN ITEMS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 25-27 (84-02): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE FOUND IN TWO AREAS (INADEQUATE PROCEDURES FOR PROTECTIVE ACTION DECISION MAKING AND FAILURE TO PROPERLY TRAIN EMERGENCY PERSONNEL IN PROTECTIVE ACTION RECOMMENDATION DECISION MAKING). THESE WERE DISCUSSED IN PARAGRAPH 5.

INSPECTION FEBRUARY 27 - MARCH 2 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 27 - MARCH 2 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXTERNAL EXPOSURE CONTROLS, INTERNAL EXPOSURE CONTROLS, ALARA ACTIVITIES, POSTING AND LABELING, LICENSEE ACTION ON NUREG-0737 ITEMS, AND LICENSEE ACTION ON INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE AREAS INSPECTED.

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* NORTH ANNA 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-085/ 03-L	12/20/83	01/11/84	CONTAINMENT PRESSURE CHANNEL IV WAS OBSERVED TO BE DRIFTING AND CAUSING INTERMITTENT ALARMS. THE CAUSE OF THE CHANNEL BEHAVIOR COULD NOT BE DETERMINED.
84-001/ --	01/09/84	02/08/84	UNIT 1 WAS SHUTDOWN DUE TO HIGH RCS UNIDENTIFIED LEAKAGE, DUE TO SEVERAL DEFECTIVE TUBES AND LEAKING TUBE PLUGS.
84-002/ --	01/18/84	02/10/84	AN INADVERTENT SINGLE TRAIN EMERGENCY CORE COOLING SYSTEM (ECCS) ACTUATION OCCURRED DURING THE REMOVAL OF THE SOLID STATE PROTECTION SYSTEM (SSPS) OUTPUT FUSES.
84-003/ --	02/08/84	03/07/84	A TURBINE TRIP-REACTOR TRIP OCCURRED DUE TO THE RECEIPT OF A RECEIPT OF A SPURIOUS ELECTRO HYDRAULIC CONTROL (EHC) FLUID RESERVOIR LOW LEVEL TURBINE TRIP SIGNAL.

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1. Docket: 50-339 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JOAN N. LEE (703) 894-5151 X2527

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 939

8. Maximum Dependable Capacity (Net MWe): 890

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

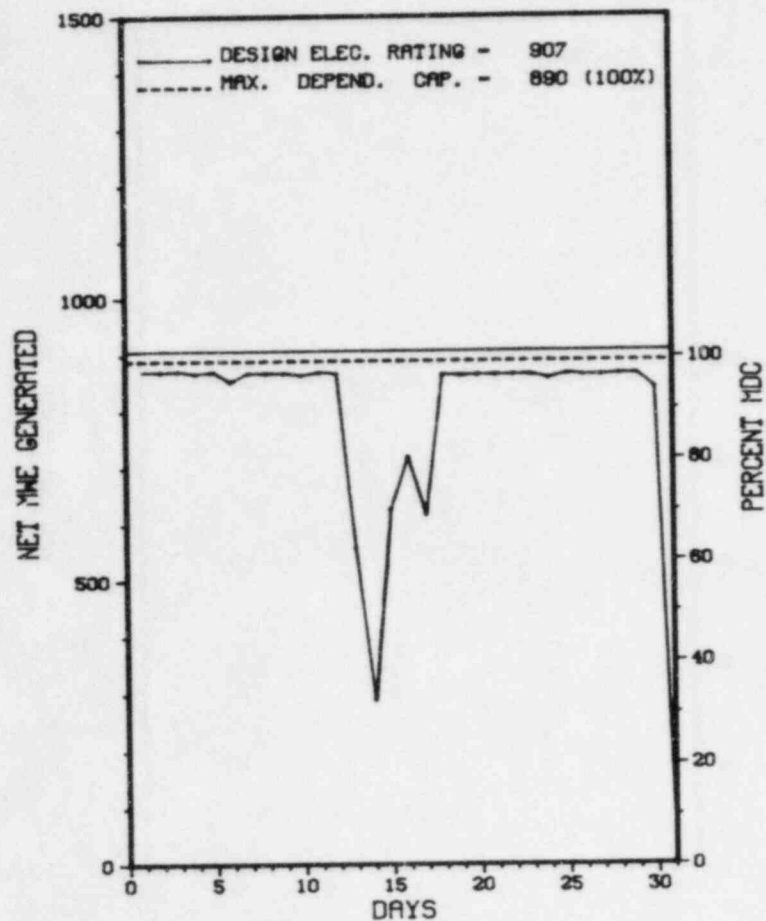
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



MARCH 1984

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>28,896.0</u>
13. Hours Reactor Critical	<u>719.8</u>	<u>2,085.5</u>	<u>21,732.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>3.5</u>	<u>2,243.5</u>
15. Hrs Generator On-Line	<u>713.4</u>	<u>2,041.9</u>	<u>21,319.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,895,829</u>	<u>5,327,082</u>	<u>55,748,112</u>
18. Gross Elec Ener (MWH)	<u>619,216</u>	<u>1,743,196</u>	<u>18,479,563</u>
19. Net Elec Ener (MWH)	<u>587,866</u>	<u>1,653,767</u>	<u>17,505,849</u>
20. Unit Service Factor	<u>95.9</u>	<u>93.5</u>	<u>73.8</u>
21. Unit Avail Factor	<u>95.9</u>	<u>93.5</u>	<u>73.8</u>
22. Unit Cap Factor (MDC Net)	<u>88.8</u>	<u>85.1</u>	<u>68.1</u>
23. Unit Cap Factor (DER Net)	<u>87.1</u>	<u>83.5</u>	<u>66.8</u>
24. Unit Forced Outage Rate	<u>1.3</u>	<u>5.6</u>	<u>14.3</u>
25. Forced Outage Hours	<u>9.5</u>	<u>121.0</u>	<u>3,568.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>UNIT 2 REFUELING OUTAGE 08-17-84</u>			
27. If Currently Shutdown Estimated Startup Date: <u>04/09/84</u>			

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-14	03/04/84	S	0.0	B	5				RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-15	03/06/84	S	0.0	B	5				RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER.
84-16	03/09/84	S	0.0	B	5				RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-17	03/13/84	F	9.5	H	3				UNIT 2 REACTOR TRIP, DUE TO LOW STEAM GENERATOR LEVEL. STEAM GENERATOR LEVEL DROPPED WHEN "A" MAIN FEED REGULATOR VALVE FAILED SHUT DUE TO A VOLTAGE SPIKE WHICH OCCURRED WHEN A PROCESS RACK POWER SUPPLY WAS REPLACED.
84-17A	03/13/84	F	0.0	H	5				REPAIRS WERE MADE. UNIT RETURNED TO FULL POWER.
84-18	03/24/84	S	0.0	B	5				RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-19	03/31/84	S	21.1	B	1				RAMPED DOWN TO BEGIN SCHEDULED SPRING MAINTENANCE OUTAGE. ENDED THIS MONTH WITH UNIT 2 IN MODE 5.

 * SUMMARY *

NORTH ANNA 2 OPERATED ROUTINELY IN MARCH AND BEGAN SPRING MAINTENANCE ON THE 31ST.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram
	C-Refueling	H-Other	3-Auto Scram
	D-Regulatory Restriction		4-Continued
	E-Operator Training		5-Reduced Load
	& License Examination		9-Other
			Exhibit F & H
			Instructions for
			Preparation of
			Data Entry Sheet
			Licensee Event Report
			(LER) File (NUREG-0161)

* NORTH ANNA 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 12, 1980
DATE ELEC ENER 1ST GENER...AUGUST 25, 1980
DATE COMMERCIAL OPERATE...DECEMBER 14, 1980
CONDENSER COOLING METHOD...DNCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

EC REGION RESPONSIBLE.....II
EC RESIDENT INSPECTOR.....D. JOHNSON
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339
LICENSE & DATE ISSUANCE...NPF-7, AUGUST 21, 1980
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 6 - FEBRUARY 5 (84-01): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 114 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE AND MAINTENANCE ACTIVITIES, PREVIOUS INSPECTION FINDINGS, PREVIOUSLY IDENTIFIED ITEMS, SAFETY SYSTEM WALKDOWNS, LICENSEE EVENT REPORTS, TMI ACTION PLAN ITEMS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 25-27 (84-02): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE FOUND IN TWO AREAS (INADEQUATE PROCEDURES FOR PROTECTIVE ACTION DECISION MAKING AND FAILURE TO PROPERLY TRAIN EMERGENCY PERSONNEL IN PROTECTIVE ACTION RECOMMENDATION DECISION MAKING). THESE WERE DISCUSSED IN PARAGRAPH 5.

INSPECTION FEBRUARY 27 - MARCH 2 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 27 - MARCH 2 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXTERNAL EXPOSURE CONTROLS, INTERNAL EXPOSURE CONTROLS, ALARA ACTIVITIES, POSTING AND LABELING, LICENSEE ACTION ON NUREG-0737 ITEMS, AND LICENSEE ACTION ON INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE AREAS INSPECTED.

1. Docket: 50-269 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS (704) 373-7567

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>93,889.0</u>
13. Hours Reactor Critical	<u>725.2</u>	<u>2,165.2</u>	<u>66,706.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>721.1</u>	<u>2,161.1</u>	<u>63,550.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,829,551</u>	<u>5,526,408</u>	<u>151,824,440</u>
18. Gross Elec Ener (MWH)	<u>642,590</u>	<u>1,940,070</u>	<u>52,808,300</u>
19. Net Elec Ener (MWH)	<u>614,561</u>	<u>1,856,976</u>	<u>50,022,527</u>
20. Unit Service Factor	<u>96.9</u>	<u>99.0</u>	<u>67.7</u>
21. Unit Avail Factor	<u>96.9</u>	<u>99.0</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>96.0</u>	<u>98.9</u>	<u>61.8*</u>
23. Unit Cap Factor (DER Net)	<u>93.1</u>	<u>95.9</u>	<u>60.1*</u>
24. Unit Forced Outage Rate	<u>3.1</u>	<u>1.0</u>	<u>17.0</u>
25. Forced Outage Hours	<u>22.9</u>	<u>22.9</u>	<u>12,070.5</u>

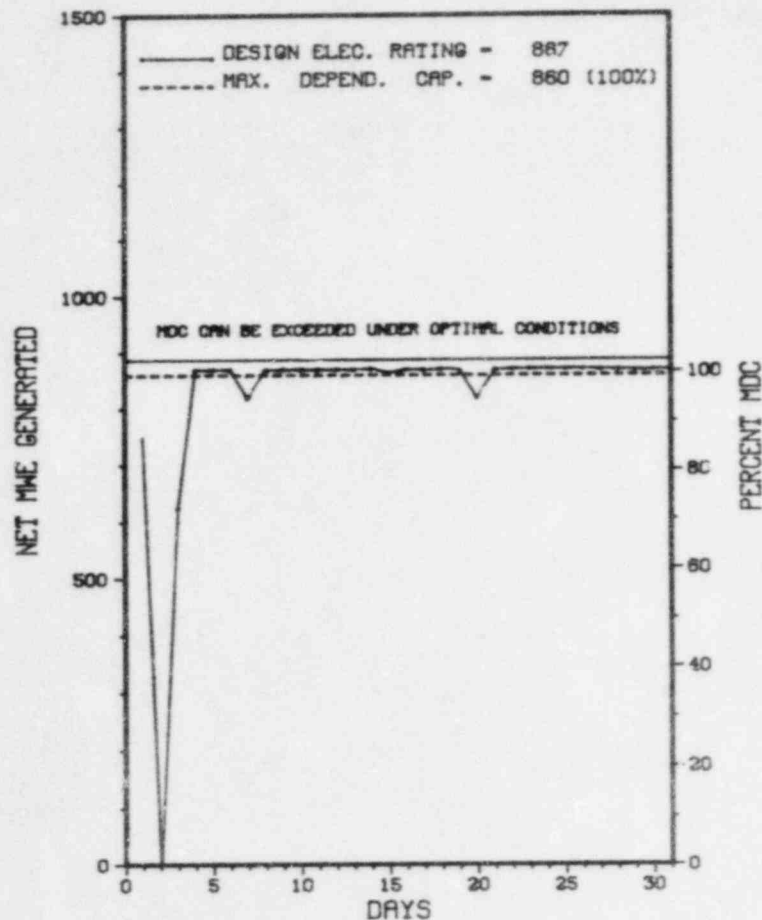
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/02/84	F	22.9	D	1		CE	ZZZZZ	"A" CORE FLOOD TANK BORON CONC. OUT OF SPEC.
4-P	03/07/84	F	0.0	A	5		HJ	PIPEXX	REPAIR "E" BLEED STEAM EXTRACTION LINE.
5-P	03/15/84	F	0.0	A	5		AA	VALVEX	CONDENSATE COOLERS BYPASS VALVE FAILED CLOSED.
6-P	03/20/84	F	0.0	A	5		RB	CRDRVE	RUNBACK DUE TO LOSS OF GROUP TWO CONTROL ROD OUT INDICATION.

 * SUMMARY *

OCONEE 1 EXPERIENCED 1 SHUTDOWN IN MARCH; CORE FLOOD TANK BORON CONCENTRATION OUT OF SPECIFICATION.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* OCONEE 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 19, 1973
DATE ELEC ENER 1ST GENER...MAY 6, 1973
DATE COMMERCIAL OPERATE....JULY 15, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-269
LICENSE & DATE ISSUANCE...DPR-38, FEBRUARY 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 11 - FEBRUARY 10 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 94 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, MAINTENANCE, SURVEILLANCE, ORGANIZATION AND CALIBRATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION MARCH 5 (84-05): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEATING, VENTILATION AND AIR CONDITIONING (HVAC). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION FEBRUARY 11 - MARCH 10 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, UNUSUAL EVENT FOLLOWUP AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

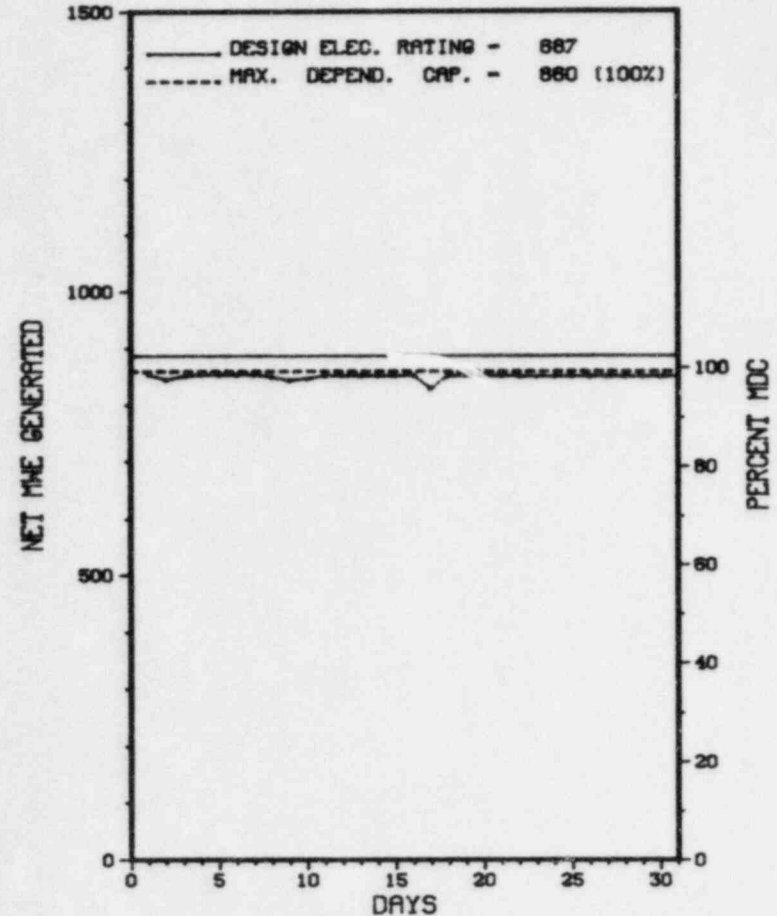
NONE

OTHER ITEMS

 * OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



MARCH 1984

1. Docket: 50-270 OPERATING STATUS
 2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
 3. Utility Contact: J. A. REAVIS (704) 373-7567
 4. Licensed Thermal Power (MWt): 2568
 5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934
 6. Design Electrical Rating (Net MWe): 887
 7. Maximum Dependable Capacity (Gross MWe): 899
 8. Maximum Dependable Capacity (Net MWe): 860
 9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
 10. Power Level To Which Restricted, If Any (Net MWe):
 11. Reasons for Restrictions, If Any:
NONE
- | | MONTH | YEAR | CUMULATIVE |
|-------------------------------|------------------|------------------|--------------------|
| 12. Report Period Hrs | <u>744.0</u> | <u>2,184.0</u> | <u>83,809.0</u> |
| 13. Hours Reactor Critical | <u>744.0</u> | <u>2,184.0</u> | <u>59,497.8</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 15. Hrs Generator On-Line | <u>744.0</u> | <u>2,184.0</u> | <u>58,344.5</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 17. Gross Therm Ener (MWH) | <u>1,914,657</u> | <u>5,614,143</u> | <u>138,104,809</u> |
| 18. Gross Elec Ener (MWH) | <u>659,230</u> | <u>1,938,730</u> | <u>47,043,586</u> |
| 19. Net Elec Ener (MWH) | <u>632,817</u> | <u>1,860,482</u> | <u>44,672,051</u> |
| 20. Unit Service Factor | <u>100.0</u> | <u>100.0</u> | <u>69.6</u> |
| 21. Unit Avail Factor | <u>100.0</u> | <u>100.0</u> | <u>69.6</u> |
| 22. Unit Cap Factor (MDC Net) | <u>98.9</u> | <u>99.1</u> | <u>61.8*</u> |
| 23. Unit Cap Factor (DER Net) | <u>95.9</u> | <u>96.0</u> | <u>60.2*</u> |
| 24. Unit Forced Outage Rate | <u>.0</u> | <u>.0</u> | <u>16.0</u> |
| 25. Forced Outage Hours | <u>.0</u> | <u>.0</u> | <u>10,256.1</u> |
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
 27. If Currently Shutdown Estimated Startup Date: N/A

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4-P	03/16/84	S	0.0	B	5		CC	VALVEX	TURBINE AND CONTROL VALVE MOVEMENT TESTS.

* SUMMARY *

OCONEE 2 OPERATED ROUTINELY IN MARCH WITH NO SHUTDOWNS REPORTED.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* OCONEE 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 11, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973
DATE COMMERCIAL OPERATE....SEPTEMBER 9, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-270
LICENSE & DATE ISSUANCE....DPR-47, OCTOBER 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 11 - FEBRUARY 10 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 93 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, MAINTENANCE, SURVEILLANCE, ORGANIZATION AND CALIBRATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 5 (84-05): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 2 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEATING, VENTILATION AND AIR CONDITIONING (HVAC). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 11 - MARCH 10 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, UNUSUAL EVENT FOLLOWUP AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* OCONEE 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: FEBRUARY 11 - MARCH 10, 1984 +

INSPECTION REPORT NO: 50-270/84-06 +

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS (704) 373-7567

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>81,456.0</u>
13. Hours Reactor Critical	<u>180.7</u>	<u>1,619.6</u>	<u>58,329.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>178.5</u>	<u>1,615.5</u>	<u>57,198.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>377,668</u>	<u>4,048,036</u>	<u>139,540,599</u>
18. Gross Elec Ener (MWH)	<u>130,180</u>	<u>1,397,550</u>	<u>48,212,144</u>
19. Net Elec Ener (MWH)	<u>121,349</u>	<u>1,337,195</u>	<u>45,904,313</u>
20. Unit Service Factor	<u>24.0</u>	<u>74.0</u>	<u>70.2</u>
21. Unit Avail Factor	<u>24.0</u>	<u>74.0</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>19.0</u>	<u>71.2</u>	<u>65.3*</u>
23. Unit Cap Factor (DER Net)	<u>18.4</u>	<u>69.0</u>	<u>63.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.2</u>	<u>14.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>3.0</u>	<u>10,145.0</u>

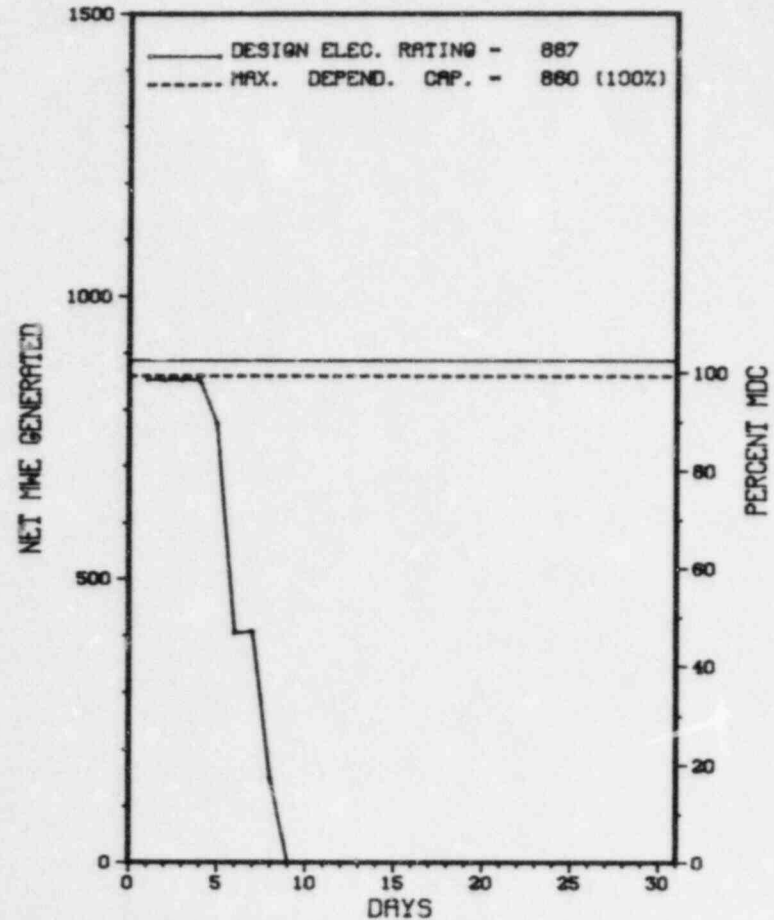
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/18/84

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUT DOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2-P	03/05/84	S	0.0	H	5		RC	ZZZZZ	ECONOMIC DISPATCH.
2	03/08/84	S	565.5	C	1		RC	FUELXX	CYCLE 7 REFUELING OUTAGE COMMENCES.

 * SUMMARY *

 OCONEE 3 SHUT DOWN ON MARCH 8 FOR CYCLE 7 REFUELING.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* OCONEE 3 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 5, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 18, 1974
DATE COMMERCIAL OPERATE....DECEMBER 16, 1974

CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE KEOWEE

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-287

LICENSE & DATE ISSUANCE....DPR-55, JULY 19, 1974

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WALHALLA, SOUTH CAROLINA 29691

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 11 - FEBRUARY 10 (84-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 93 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, MAINTENANCE, SURVEILLANCE, ORGANIZATION AND CALIBRATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 5 (84-05): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 2 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEATING, VENTILATION AND AIR CONDITIONING (HVAC). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 11 - MARCH 10 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, UNUSUAL EVENT FOLLOWUP AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JOSEPH R. MOLNAR (609) 971-4699

4. Licensed Thermal Power (MWt): 1930

5. Nameplate Rating (Gross MWe): 722 X .9 = 650

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>125,112.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>696.0</u>	<u>85,319.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>82,693.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>136,301,260</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>46,056,905</u>
19. Net Elec Ener (MWH)	<u>-1,830</u>	<u>-3,821</u>	<u>44,281,862</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>66.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>66.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>57.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>54.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,916.8</u>

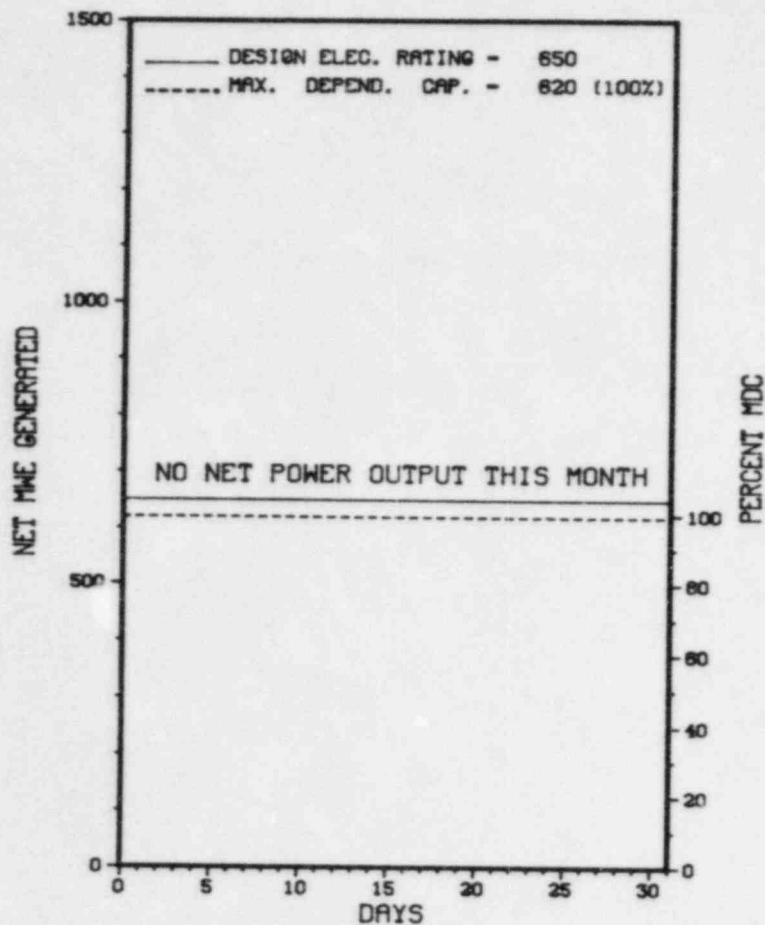
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/11/84

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
31	02/11/83	S	744.0	C	4		ZZ	ZZZZZZ	1983 REFUELING AND MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

 OYSTER CREEK REMAINED SHUT DOWN FOR REFUELING AND MAINTENANCE FOR THE ENTIRE MONTH OF MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* OYSTER CREEK 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....OCEAN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI S OF
TOMS RIVER, NJ

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 3, 1969

DATE ELEC ENER 1ST GENER...SEPTEMBER 23, 1969

DATE COMMERCIAL OPERATE....DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...BARNEGAT BAY

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORPORATION

CORPORATE ADDRESS.....100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY 07054

CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. COWGILL

LICENSING PROJ MANAGER.....J. LOMBARDO
DOCKET NUMBER.....50-219

LICENSE & DATE ISSUANCE...DPR-16, AUGUST 1, 1969

PUBLIC DOCUMENT ROOM.....OCEAN COUNTY LIBRARY
101 WASHINGTON STREET
TOMS RIVER, NEW JERSEY 08753

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 3.12E, BETWEEN 7:30 A.M. OCTOBER 15, 1983 TO 11:00 A.M. OCTOBER 17, 1983, AND 1:30 A.M. TO 8:00 A.M. OCTOBER 18, 1983, NO HOURLY FIRE WATCH PATROL WAS IN FORCE IN THE DIESEL GENERATOR BUILDING (A SAFETY RELATED FIRE AREA), WITH THE FIRE DOOR BETWEEN DIESEL GENERATOR BAYS (A PENETRATION FIRE BARRIER) OPEN AND FOULED BY TEMPORARY ELECTRICAL CABLE. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).
(8323 4)

10 CFR PART 50, APPENDIX B CRITERION III STATES IN PART "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS ... ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES AND INSTRUCTIONS." ANSI N45.2.11 - 1974 (ENDORSED IN THE LICENSEE'S QUALITY ASSURANCE PLAN) REQUIRES, "METHODS SHALL PROVIDE FOR RELATING THE FINAL DESIGN BACK TO THE SOURCE OF DESIGN ... THE DESIGN ACTIVITIES SHALL BE DOCUMENTED IN SUFFICIENT DETAIL TO PERMIT VERIFICATION AND AUDITING..." CONTRARY TO THE ABOVE, AS OF OCTOBER 27, 1983, THE FOLLOWING DESIGN ACTIVITIES (AS IDENTIFIED IN NUREG-0737 AND ENDORSED BY THE LICENSEE'S LETTER DATED JUNE 30, 1983) WERE NOT DOCUMENTED: 1) THE ACCURACY AND RESPONSE TIME SPECIFICATION OF THE CONTAINMENT PRESSURE MONITOR SHALL BE PROVIDED AND JUSTIFIED TO BE ADEQUATE FOR THEIR INTENDED FUNCTION. 2) THE ACCURACY

Report Period MAR 1984

REPORTS FROM LICENSEE

XXX
X OYSTER CREEK I XXXXXXXXXXXXXXXXXXXXXXX
XXX

=====

NUMBER DATE OF DATE OF SUBJECT
EVENT REPORT REPORT

NO INPUT PROVIDED.

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1. Docket: 50-255 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: A. F. DIENES (616) 764-8913

4. Licensed Thermal Power (MWt): 2530

5. Nameplate Rating (Gross MWe): 955 X 0.85 = 812

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 675

8. Maximum Dependable Capacity (Net MWe): 635

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>107,679.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>59,259.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>56,278.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>115,360,224</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>35,750,440</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>33,628,014</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>52.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>52.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>49.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>38.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>32.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,525.6</u>

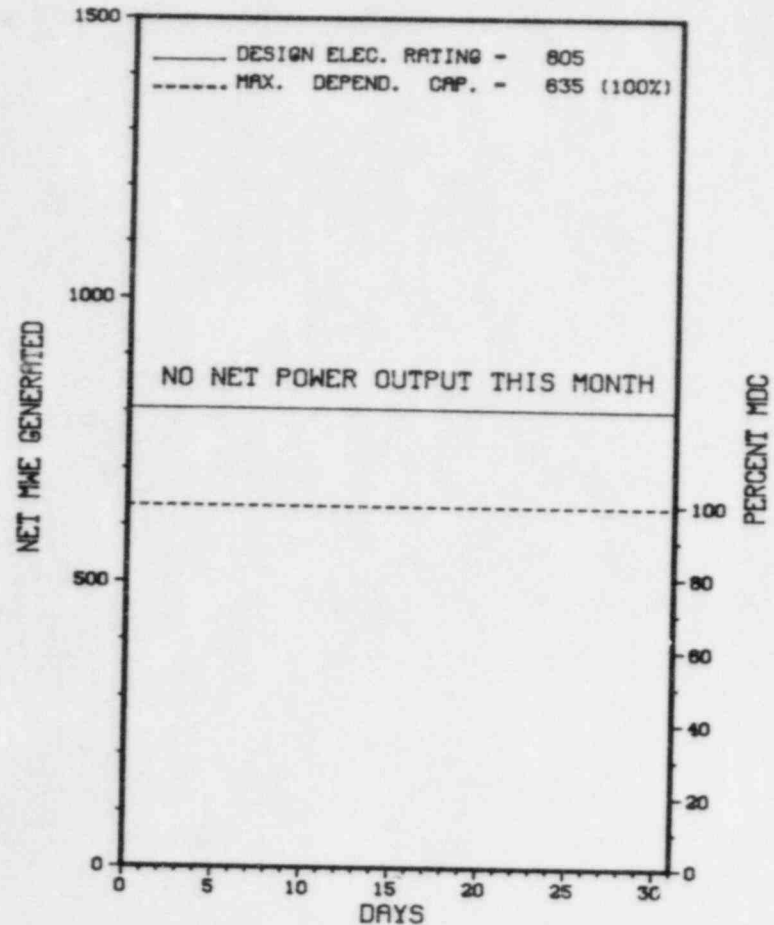
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/15/84

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	08/12/83	S	744.0	C	4		RC	FUELXX	REFUELING & MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

PALISADES REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* PALISADES *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....VANBUREN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 24, 1971

DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971

DATE COMMERCIAL OPERATE...DECEMBER 31, 1971

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER...LAKE MICHIGAN

ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLYFR.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....B. JORGENSON

LICENSING PROJ MANAGER.....W. PAULSON
DOCKET NUMBER.....50-255

LICENSE & DATE ISSUANCE....DPR-20, OCTOBER 16, 1972

PUBLIC DOCUMENT ROOM.....KALAMAZOO PUBLIC LIBRARY
315 SOUTH ROSE STREET
REFERENCE DEPARTMENT
KALAMAZOO, MICHIGAN 49007

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION DURING FEBRUARY 1 THROUGH FEBRUARY 29, (84-03): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF PLANT SAFETY; WORK ACTIVITIES; IE BULLETINS; REPORTABLE EVENTS; AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 98 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 26 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FOUR OF THE FIVE AREAS INSPECTED. ONE ITEM OF NONCOMPLIANCE, WHICH WAS IDENTIFIED AND REPORTED BY THE LICENSEE (PLANT CRITICAL BELOW 525 DEGREES F) AND FOR WHICH NO NOTICE OF VIOLATION IS BEING ISSUED, WAS IDENTIFIED IN THE REMAINING AREA.

ENFORCEMENT SUMMARY

10 CFR 71.5 PROHIBITS TRANSPORT OF ANY LICENSED MATERIAL OUTSIDE THE CONFINES OF A PLANT OR OTHER PLACE OF USE OR DELIVERY OF LICENSED MATERIAL TO A CARRIER FOR TRANSPORT UNLESS THE LICENSEE COMPLIES WITH APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION IN 49 CFR PARTS 170-189. 49 CFR 173.392(C)(1) STATES THAT LOW SPECIFIC ACTIVITY RADIOACTIVE MATERIAL SHIPPED AS EXCLUSIVE USE MUST BE PACKAGED IN STRONG, TIGHT PACKAGES SO THAT THERE IS NO LEAKAGE OF RADIOACTIVE MATERIALS UNDER NORMAL TRANSPORT CONDITIONS. CONTRARY TO THE ABOVE, ON JUNE 21, 1983, A SHIPMENT OF LOW SPECIFIC ACTIVITY RADIOACTIVE WASTE TO RICHLAND, WASHINGTON CONTAINED A 55-GALLON DRUM THAT LEAKED RADIOACTIVE MATERIAL FROM A SMALL CRACK NEAR THE BOTTOM.
(8401 3)

ENFORCEMENT SUMMARY

10 CFR 50.54(H) STATES THAT THE LICENSEE SHALL BE SUBJECT TO THE PROVISIONS OF THE RULES, REGULATIONS, AND ORDERS OF THE COMMISSION. ON MARCH 14, 1983, THE COMMISSION ISSUED AN ORDER CONFIRMING THE LICENSEE'S COMMITMENTS ON POST-TMI RELATED ISSUES. THE ORDER STATES, IN PART, THAT THE LICENSEE SHALL IMPLEMENT AND MAINTAIN THE SPECIFIC ITEMS DESCRIBED AS COMPLETE IN THE ATTACHMENTS TO THE ORDER. ATTACHMENT 1 TO THE ORDER LISTS THE LICENSEE'S COMPLETION SCHEDULE DATED FOR NUREG-0737 ITEM II.F.1.1, "NOBLE GAS EFFLUENT MONITOR" AS JULY 1, 1983. NUREG-0737 ITEM II.F.1.1, CLARIFICATION NO. 1 REQUIRES CONTINUOUS MONITORING AND A DISPLAY WHICH READS OUT IN MICROCURIES PER CUBIC CENTIMETER OR AS EQUIVALENT XE-133 CONCENTRATIONS. CONTRARY TO THE ABOVE, THE LICENSEE'S NOBLE GAS EFFLUENT MONITOR READS OUT IN COUNTS PER MINUTE ON THE LOW RANGE AND MR/HR ON THE HIGH RANGE. ALSO, THE CONTINUOUS MONITORING MUST BE INTERRUPTED IN ORDER TO CHANGE THE PARTICULATE FILTER AND IODINE CARTRIDGE.
(8401 4)

TECHNICAL SPECIFICATION 6.2.2 STATES THAT THE PLANT ORGANIZATION SHALL BE AS SHOWN ON FIGURE 6.2-2, WHICH SHOWS THE HEALTH PHYSICIST (RADIATION PROTECTION MANAGER) REPORTING DIRECTLY TO THE GENERATING PLANT SUPERINTENDENT. CONTRARY TO THE ABOVE, THE CHEMISTRY AND HEALTH PHYSICS SUPERINTENDENT (RADIATION PROTECTION MANAGER) HAS BEEN REPORTING TO THE OPERATIONS AND MAINTENANCE SUPERINTENDENT SINCE AT LEAST DECEMBER 1982.
(8401 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INDICATIONS OF MAJOR STEAM GENERATOR TUBE DEGENERATION ARE BEING INVESTIGATED AND EVALUATED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT SHUTDOWN ON 8/13/83 TO START A REFUELING AND MAINTENANCE OUTAGE. RESTART SCHEDULED FOR MAY, 1984.

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1984

INSPECTION REPORT NO: 84-08

R E P O R T S F R O M L I C E N S E E

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

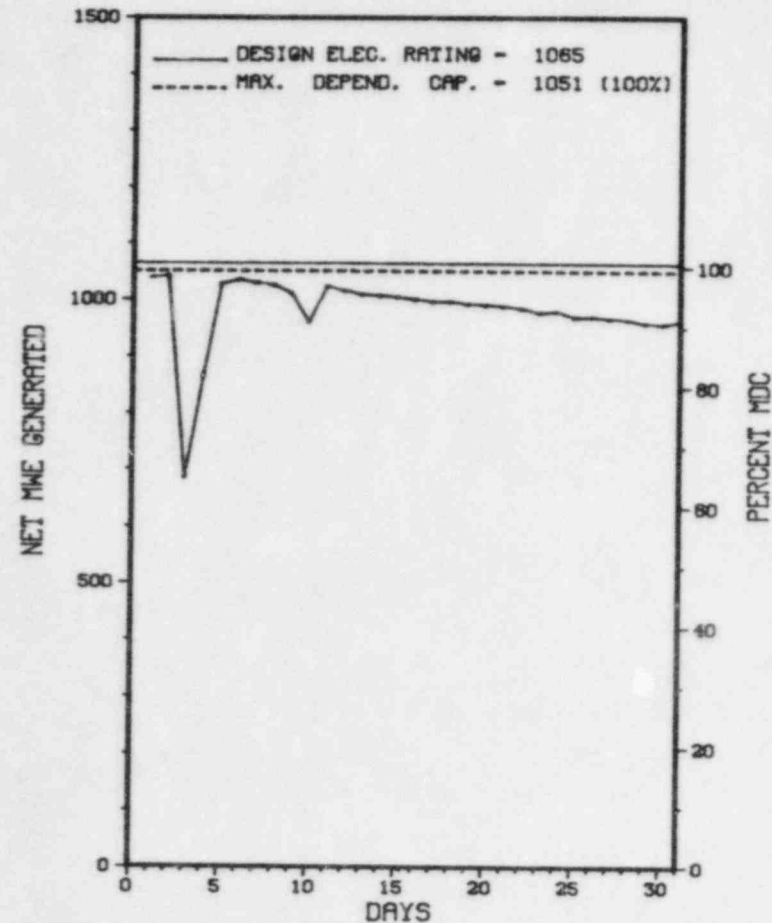
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>85,392.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,931.9</u>	<u>61,631.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,894.6</u>	<u>59,906.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,331,778</u>	<u>5,943,562</u>	<u>176,498,172</u>
18. Gross Elec Ener (MWH)	<u>754,130</u>	<u>1,932,900</u>	<u>58,103,990</u>
19. Net Elec Ener (MWH)	<u>731,249</u>	<u>1,873,943</u>	<u>55,710,373</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.7</u>	<u>70.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.7</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>93.5</u>	<u>81.6</u>	<u>62.1</u>
23. Unit Cap Factor (DER Net)	<u>92.3</u>	<u>80.6</u>	<u>61.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.8</u>	<u>11.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>116.4</u>	<u>7,975.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING & PIPE REPLACEMENT: 04/27/84-34 WKS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	03/02/84	S	0.0	B	5		HC	ZZZZZ	LOAD REDUCTION FOR WATER BOX INSPECTION AND REPAIR AND CONTROL ROD PATTERN ADJUSTMENT.

* SUMMARY *

PEACH BOTTOM 2 OPERATED ROUTINELY IN MARCH WITH NO SHUTDOWNS REPORTED.

Type	Reason	Method	System & Component	
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training		5-Reduced Load	Licensee Event Report
	& License Examination		9-Other	(LER) File (NUREG-0161)

* PEACH BOTTOM 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973

DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974

DATE COMMERCIAL OPERATE...JULY 5, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...SUSQUEHANNA RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....A. BLOUGH

LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-277

LICENSE & DATE ISSUANCE...DPR-44, DECEMBER 14, 1973

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 6.8, REG GUIDE 1.33 AND PROCEDURE A-30, AT 12:30 P.M., JANUARY 26, 1983, THE FIRE DOOR BETWEEN UNIT 3 RHR ROOMS 'B' AND 'D' WAS BLOCKED OPEN; AND AT 11:20 A.M. FEBRUARY 7, 1983, THE FIRE DOOR TO THE DIESEL DRIVEN FIRE PUMP ROOM WAS BLOCKED OPEN. NEITHER OF THESE DOORS WAS OPEN TO ACCOMMODATE THE MOVEMENT OF PERSONNEL OR EQUIPMENT.
(8302 5)

10 CFR 50, APPENDIX R, SECTION III.I REQUIRES THAT THE FIRE BRIGADE TRAINING PROGRAM SHALL ENSURE THAT THE CAPABILITY TO FIGHT POTENTIAL FIRES IS ESTABLISHED AND MAINTAINED AND SHALL INCLUDE THE FOLLOWING: -- REGULAR PLANNED MEETINGS HELD AT LEAST EVERY THREE MONTHS FOR ALL FIRE BRIGADE MEMBERS. -- PRACTICE SESSIONS IN ACTUAL FIRE EXTINGUISHMENT AT LEAST ONCE PER YEAR FOR EACH BRIGADE MEMBER. CONTRARY TO THE ABOVE, DURING CALENDAR YEAR 1983, AS OF NOVEMBER 14, 1983, -- FIVE MEMBERS OF THE FIRE BRIGADE HAD NOT ATTENDED REGULAR PLANNED MEETINGS AT LEAST EVERY THREE MONTHS. -- SIX MEMBERS OF THE FIRE BRIGADE HAD NOT PARTICIPATED IN PRACTICE SESSIONS AT LEAST ONCE PER YEAR. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR-44 AND DPR-56.

ENFORCEMENT SUMMARY

(8331 5)

CONTRARY TO TECH SPEC 6.4, 10 CFR 50, APP. A, AND PROCEDURE A-50, WITH RESPECT TO THE 1983 REQUALIFICATION PROGRAM LECTURE SERIES, THE FOLLOWING CONDITIONS OCCURRED: 1) ONE OPERATOR DID NOT PARTICIPATE IN A LECTURE IN AN AREA ON WHICH HE HAD SCORED LESS THAN 80 ON THE 1982 WRITTEN EXAM. ONE SENIOR OPERATOR DID NOT PARTICIPATE IN TWO LECTURES IN AREAS ON WHICH HE HAD SCORED LESS THAN 80 ON THE 1982 WRITTEN EXAM. 2) IN NINE CASES, SUPPLEMENTARY TRAINING WAS NOT COMPLETED FOR OPERATORS OR SENIOR OPERATORS WHO SCORED LESS THAN 80 ON QUIZZES ASSOCIATED WITH THEIR MANDATORY LECTURES.
(8337 4)

PEACH BOTTOM ATOMIC POWER STATION UNITS 2 AND 3 TECH SPEC SECT. 6.8.1 STATES: "WRITTEN PROCEDURES AND ADMIN POLICIES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET THE REQMTS OF...APPENDIX "A" OF USAEC REGULATORY GUIDE 1.33 (NOV. 1972)..." USAEC REGULATORY GUIDE 1.33 (NOV 1972) APPENDIX A PARA I.5 DISCUSSES GENERAL PROCEDURES FOR THE CONTROL OF MODIFICATION WORK. ADMINISTRATIVE PROCEDURE A-14 (REV. 9) IMPLEMENTS THE ABOVE REQMTS. CONTRARY TO THE ABOVE, THE IMPLEMENTATION OF THE ADMINISTRATIVE PROCEDURE WAS INADEQUATE IN THAT: 1) THE DRAWING REVISIONS FOR SEVERAL MODIFICATIONS WERE NOT COMPLETED (I.E. COMPLETED MODIFICATIONS MOD 21, MOD 510, MOD 576, AND MOD 655, ISSUED PRIOR TO 1982). 2) THE MRF FOR SEVERAL MODIFICATIONS WERE NOT COMPLETED AND RETURNED TO THE ASSISTANT MODIFICATION COORDINATOR FOR CLOSE OUT (I.E. COMPLETED MODS MOD 270, MOD 271, AND MOD 437 ISSUED PRIOR TO 1979). 3) THE CARBON CONTENT IN THE PIPING FOR MOD 389, CORE SPRAY PIPING REPLACEMENT, WAS INCORRECTLY RECORDED ON THE CONSTRUCTION DRAWINGS (11187-022-M-415 SERIES). 4) THE RESPONSE TIMES OF THE INSTALLED CONTAINMENT PRESSURE INDICATOR CHANNELS WERE NOT MEASURED TO ASSURE THAT THE ACTUAL RESPONSE TIMES ARE CONSISTENT WITH THE DESIGN ASSUMPTIONS. 5) A REVISION TO PROCEDURE A-14, INITIATED IN 1981 TO ADDRESS CONCERNS RAISED BY THE NRC AND THE LICENSEE'S AUDITS, WAS NOT COMPLETED. 6) A TRAINING PROGRAM WAS NOT ESTABLISHED FOR THE ASSISTANT MODIFICATION COORDINATOR IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI N45.2.11 (COMMITTED BY THE LICENSEE'S QUALITY ASSURANCE PROGRAM DESCRIPTION). 7) THE CORRECTED PLANT MODIFICATION CONTROL SHEET (PMCS) FOR MODIFICATION 510 WAS NOT MAINTAINED IN ACCORDANCE WITH THE LICENSEE'S LETTER DATED APRIL 28, 1980. THE ABOVE COLLECTIVELY CONSTITUTES A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I) APPLICABLE TO BOTH DPR-44 AND DPR-56.
(8402 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

Report Period MAR 1986

R E P O R T S F R O M L I C E N S E E

XX
X PEACH BOTTOM 2 X
XX

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NO INPUT PROVIDED.

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1. Docket: 50-278 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (Mwt): 3293

5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted. If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>81,288.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,881.3</u>	<u>58,681.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,849.5</u>	<u>57,165.7</u>
16. Unit Reserve Shtdwn hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,401,963</u>	<u>5,861,301</u>	<u>166,899,606</u>
18. Gross Elec Ener (MWH)	<u>807,480</u>	<u>1,951,650</u>	<u>54,766,770</u>
19. Net Elec Ener (MWH)	<u>785,881</u>	<u>1,896,799</u>	<u>52,560,584</u>
20. Unit Service Factor	<u>100.0</u>	<u>84.7</u>	<u>70.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>84.7</u>	<u>70.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>83.9</u>	<u>62.5</u>
23. Unit Cap Factor (DER Net)	<u>99.2</u>	<u>81.5</u>	<u>60.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.3</u>	<u>7.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>334.5</u>	<u>4,665.4</u>

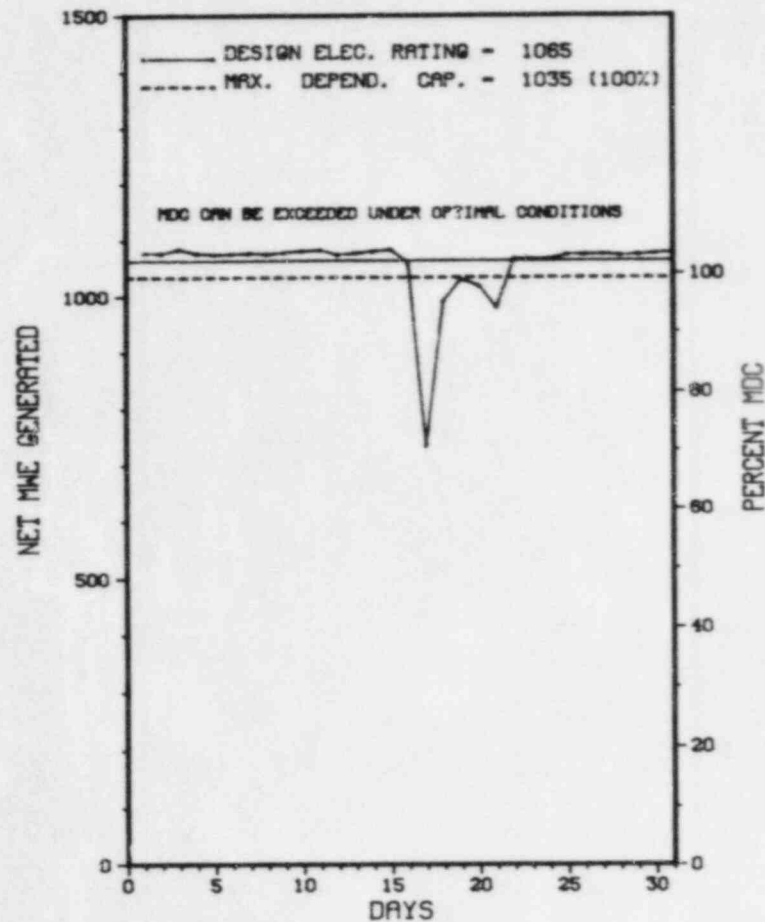
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	03/16/84	S	0.0	B	5		HC	ZZZZZ	LOAD REDUCTION FOR B-1 WATER BOX REPAIR AND A CONTROL ROD PATTERN ADJUSTMENT.

 * SUMMARY *

 PEACH BOTTOM 3 OPERATED ROUTINELY IN MARCH WITH NO SHUTDOWNS REPORTED.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* PEACH BOTTOM 3 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 7, 1974

DATE ELEC EMER 1ST GENER...SEPTEMBER 1, 1974

DATE COMMERCIAL OPERATE...DECEMBER 23, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...SUSQUEHANNA RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....A. BLOUGH

LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-278

LICENSE & DATE ISSUANCE...DPR-56, JULY 2, 1974

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 6.8, REG GUIDE 1.33 AND PROCEDURE A-30, AT 12:30 P.M., JANUARY 26, 1983, THE FIRE DOOR BETWEEN UNIT 3 RHR ROOMS 'B' AND 'D' WAS BLOCKED OPEN; AND AT 11:20 A.M. FEBRUARY 7, 1983, THE FIRE DOOR TO THE DIESEL DRIVEN FIRE PUMP ROOM WAS BLOCKED OPEN. NEITHER OF THESE DOORS WAS OPEN TO ACCOMMODATE THE MOVEMENT OF PERSONNEL OR EQUIPMENT.
(8302 5)

10 CFR 50, APPENDIX R, SECTION III.I REQUIRES THAT THE FIRE BRIGADE TRAINING PROGRAM SHALL ENSURE THAT THE CAPABILITY TO FIGHT POTENTIAL FIRES IS ESTABLISHED AND MAINTAINED AND SHALL INCLUDE THE FOLLOWING: -- REGULAR PLANNED MEETINGS HELD AT LEAST EVERY THREE MONTHS FOR ALL FIRE BRIGADE MEMBERS. -- PRACTICE SESSIONS IN ACTUAL FIRE EXTINGUISHMENT AT LEAST ONCE PER YEAR FOR EACH BRIGADE MEMBER. CONTRARY TO THE ABOVE, DURING CALENDAR YEAR 1983, AS OF NOVEMBER 14, 1983, -- FIVE MEMBERS OF THE FIRE BRIGADE HAD NOT ATTENDED REGULAR PLANNED MEETINGS AT LEAST EVERY THREE MONTHS. -- SIX MEMBERS OF THE FIRE BRIGADE HAD NOT PARTICIPATED IN PRACTICE SESSIONS AT LEAST ONCE PER YEAR. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR-44 AND DPR-56.

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1. Docket: 50-293 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: P. HAMILTON (617) 746-7905

4. Licensed Thermal Power (MWt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

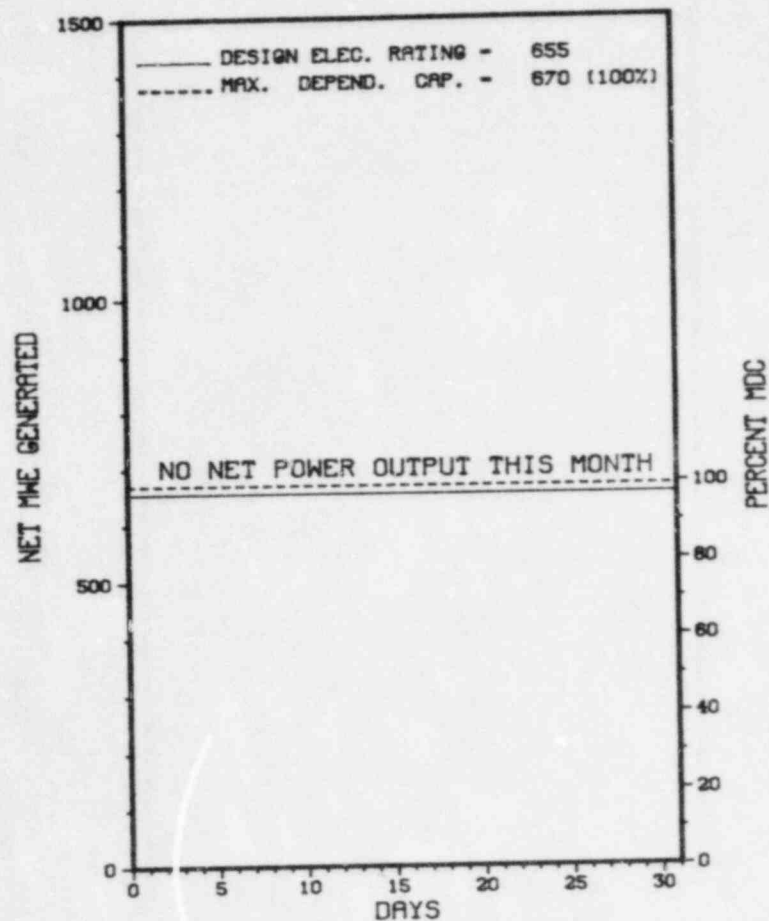
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>99,144.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>69,733.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>67,521.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>116,932,632</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>39,228,314</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>37,693,409</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>68.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>68.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>58.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>9.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,842.5</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>09/12/84</u>			

* P I L G R I M 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	12/10/83	S	744.0	C	4		RC	FUELXX	SHUTDOWN FOR REFUELING AND RECIRCULATION PIPE REPLACEMENT CONTINUES.

* SUMMARY *

PILGRIM 1 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* PILGRIM 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....PLYMOUTH
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 16, 1972
DATE ELEC ENER 1ST GENER...JULY 19, 1972
DATE COMMERCIAL OPERATE....DECEMBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....CAPE COD BAY
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENS.....BOSTON EDISON
CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. JOHNSON
LICENSING PROJ MANAGER.....P. LEECH
DOCKET NUMBER.....50-293
LICENSE & DATE ISSUANCE....DPR-35, SEPTEMBER 15, 1979
PUBLIC DOCUMENT ROOM.....PLYMOUTH PUBLIC LIBRARY
11 NORTH STREET
PLYMOUTH, MASSACHUSETTS 02360

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APP. B, CRITERION XVIII, ANSI N45.2.12-1977, AND QAPD PROCEDURE 18.01 WHICH REQUIRE THE PREPARATION OF AUDIT PLANS AND SCHEDULES, THERE WAS NO SCHEDULE FOR EXTERNAL (OUTSIDE OF BOSTON EDISON COMPANY) AUDITS. CONTRARY TO 10 CFR 50, APP. B, CRITERIA V AND BELD QA MANUAL PARAGRAPH 18.3.3 WHICH REQUIRE THAT AUDIT DEFICIENCIES BE ENTERED INTO THE DEFICIENCY REPORT AND BE PROPERLY DISPOSITIONED, NUMEROUS DEFICIENCIES FOUND DURING AUDIT 82-17, "HIGH PRESSURE COOLANT INJECTION CONFIGURATION" WERE RECORDED AS ACTION ITEMS RATHER THAN ON DEFICIENCY REPORTS AND APPROPRIATE CORRECTIVE ACTIONS WERE NOT TAKEN.

(8321 5)

CONTRARY TO TECHNICAL SPECIFICATION 4.6.A.1 ON DECEMBER 11, 1983 BETWEEN 11 A.M. AND 4 P.M. A COOLDOWN OF THE REACTOR VESSEL WAS PERFORMED (VIA THE HEAD SPRAY MODE OF THE RESIDUAL HEAT REMOVAL SYSTEM) FROM 390 DEGREES F TO 150 DEGREES F WITHOUT LOGGING THE REQUIRED TEMPERATURES EVERY 15 MINUTES.

(8324 4)

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* PILGRIM I *

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NO INPUT PROVIDED.

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1. Docket: 50-266 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C.W. FAY (414) 277-2811

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 485

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

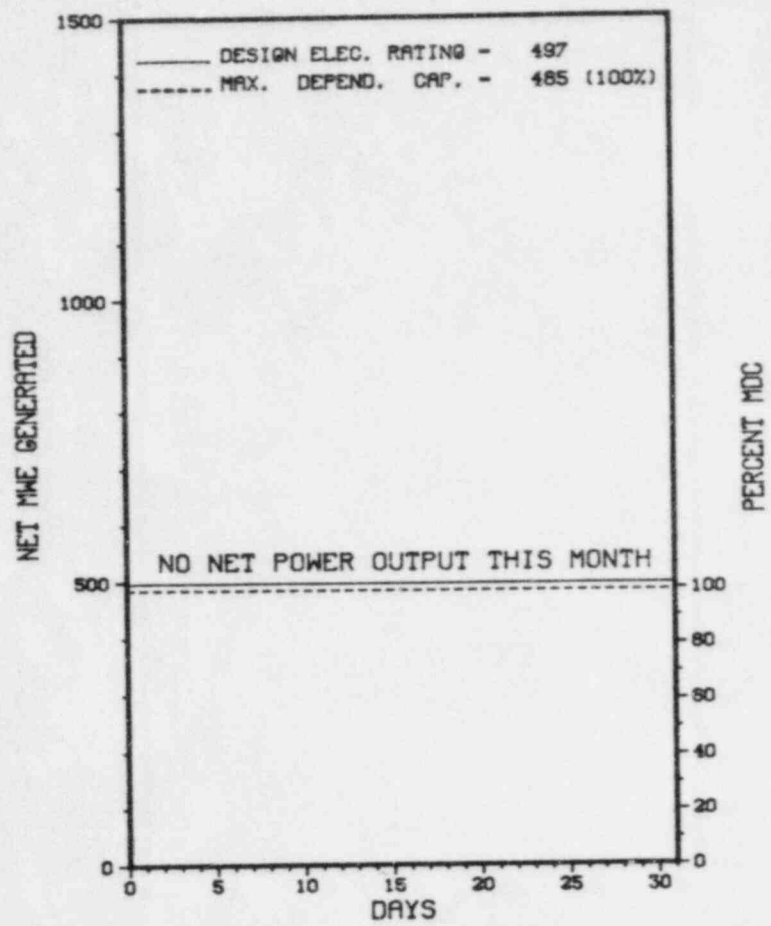
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>117,480.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>94,078.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>625.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>91,607.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>793.5</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>123,535,312</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>41,395,980</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>39,367,882</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>78.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>68.5*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>67.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,406.3</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 04/05/84

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	10/01/83	S	744.0	C	4		RC	FJELXX	CONTINUATION OF 26-WEEK REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

 * SUMMARY *

 POINT BEACH 1 REMAINED SHUT DOWN IN MARCH FOR REFUELING AND STEAM GENERATOR REPLACEMENT.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* POINY BEACH 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 2, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970
DATE COMMERCIAL OPERATE....DECEMBER 21, 1970
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266
LICENSE & DATE ISSUANCE....DPR-24, OCTOBER 5, 1970
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 13-16, 1983 AND JANUARY 10-13, 1984 (83-20): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ONSITE IN THE AREAS OF MODIFICATION PROGRESS, STEAM GENERATOR REPLACEMENT PROJECT, AND PRESERVICE INSPECTION. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW SGRP PROCEDURES).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION VI, AS IMPLEMENTED BY THE POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.6 INCLUDING A COMMITMENT TO ANSI N18.7-1976, REQUIRES MEASURES BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS, SUCH AS INSTRUCTIONS, PROCEDURES, AND DRAWINGS, INCLUDING CHANGES THERETO AND THAT THE MEASURES ASSURE THAT THE DOCUMENTS AND CHANGES ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE AND USED AT THE LOCATION WHERE THE PRESCRIBED ACTIVITY IS PERFORMED. CONTRARY TO THE ABOVE, THE FOLLOWING EXAMPLES OF FAILURE TO COMPLY WITH THESE REQUIREMENTS WERE IDENTIFIED: (A) THE INSTRUMENT AND CONTROLS DEPARTMENT DID NOT ANNOTATE OR UPDATE DRAWINGS IN THE SHOP WHEN DCNS WERE ISSUED AS REQUIRED BY SECTION 5.2.15 OF ANSI N18.7-1976 AND PROCEDURE PBNP 2.2.4, (B) DCNS 83-43 AND 83-78 WERE NOT INCORPORATED INTO CONTROLLED DRAWINGS M-201 AND M-207 IN THE CONTROL ROOM, AUXILIARY FEEDWATER PUMP ROOM AND AUXILIARY BUILDING AS REQUIRED BY SECTION 5.2.15 OF ANSI N18.7-1976 AND PBNP 2.2.4, (C) MAINTENANCE PROCEDURE PT-M-1 WAS PERFORMED ON BATTERIES D05 AND D06 FROM JULY 31 THROUGH OCTOBER 31, 1975 AND ON BATTERY D06 ON SEPTEMBER 30, 1983, WITH OUT-OF-DATE REVISIONS OF THE PROCEDURE, (D) THE MAINTENANCE DEPARTMENT DID NOT MAINTAIN INDICES OR ANOTHER SYSTEM TO

ENFORCEMENT SUMMARY

INDICATE REVISION STATUS OF MAINTENANCE PROCEDURES AS REQUIRED BY SECTION 5.2.15 OF ANSI N18.7-1976, AND (E) CONTROLLED COPIES OF PROCEDURES ICP 2.3, ICP 2.15, AND ICP 10.2 IN THE CONTROL ROOM AND AVAILABLE FOR USE WERE NOT THE LATEST REVISION. 10 CFR 50, APPENDIX B, CRITERION II, AS IMPLEMENTED BY THE POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.2 REQUIRES THAT PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY BE TRAINED AS NECESSARY TO ASSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED. CONTRARY TO THE ABOVE, INSPECTION TRAINING WAS NOT PROVIDED TO PERSONNEL PERFORMING INSPECTIONS IN THE INSTRUMENT AND CONTROL AND MAINTENANCE AND CONSTRUCTION DEPARTMENTS. WHILE THE TECHNICAL QUALIFICATIONS OF THESE PERSONNEL IS NOT IN QUESTION, THEY HAD RECEIVED NO TRAINING IN THE INSPECTION PROCESS, INSPECTOR RESPONSIBILITIES, ETC. 10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.5 INCLUDING A COMMITMENT TO ANSI N18.7-1976 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND PROCEDURES AND ACCOMPLISHED IN ACCORDANCE WITH THOSE INSTRUCTIONS AND PROCEDURES WHICH INCLUDE APPROPRIATE QUANTITATIVE AND QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. CONTRARY TO THE ABOVE, THE FOLLOWING EXAMPLES OF FAILURE TO HAVE OR FOLLOW APPROPRIATE PROCEDURES OR INSTRUCTIONS WERE IDENTIFIED: (A) NO PROCEDURE OR REQUIREMENT EXISTED FOR PERFORMING THE DOCUMENTED EVALUATION REQUIRED BY SECTION 5.2.16 OF ANSI N18.7-1976 WHEN MEASURING AND TEST EQUIPMENT WAS FOUND OUT OF CALIBRATION. AN EXAMPLE WAS IDENTIFIED BY THE INSPECTORS IN WHICH A DOCUMENTED EVALUATION WAS NOT MADE WHEN THREE TORQUE WRENCHES WERE FOUND OUT OF CALIBRATION, (B) NO PROCEDURE OR REQUIREMENT EXISTED FOR INDEPENDENT VERIFICATION OF JUMPERS AND LIFTED LEADS AS REQUIRED BY SECTION 5.2.6 OF ANSI N18.7-1976, (C) THE DISASSEMBLY, REPAIR, AND REASSEMBLY OF UNIT 2 2P15A SAFETY INJECTION PUMP WERE ACCOMPLISHED IN JUNE 1983 (AN ACTIVITY BEYOND NORMAL CRAFT SKILLS) WITHOUT THE USE OF APPROVED MAINTENANCE PROCEDURES AS REQUIRED BY SECTION 5.2.7 OF ANSI N18.7-1976, (D) NO INDEPENDENT TECHNICAL REVIEW WAS PERFORMED FOR MODIFICATION 82-114 AS REQUIRED BY PROCEDURE PBNP 3.1.2, REV. 13, (E) NO PROCEDURE EXISTED FOR THE SETTING OF TORQUE SWITCHES ON LIMITORQUE VALVES, AN ACTIVITY BEYOND NORMAL CRAFT SKILLS, AS REQUIRED BY SECTION 5.2.7 OF ANSI N18.7-1976, AND (F) A REVIEW OF FOUR COMPLETED MAINTENANCE REQUESTS (MRS) REVEALED THAT THEY HAD NOT BEEN PROCESSED IN ACCORDANCE WITH THE MR FORM IN THAT THE REQUIRED MAINTENANCE PROCEDURE TITLES OR NUMBERS WERE NOT RECORDED ON THE MR BY MAINTENANCE SUPERVISION. 10 CFR 50.59 REQUIRES THAT A WRITTEN SAFETY EVALUATION BE PREPARED AND MAINTAINED FOR CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT DOCUMENTING THE BASIS FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE THE FOLLOWING DESIGN CHANGES WERE IMPLEMENTED OR APPROVED FOR IMPLEMENTATION WITHOUT THE PREPARATION OF THE REQUIRED SAFETY EVALUATION: (A) 82-51 - RELOCATION OF FUEL OIL LINE BETWEEN THE EMERGENCY DIESEL GENERATORS AND THE EMERGENCY FUEL OIL TANK, (B) 82-73 - IMPROVEMENT OF SHIELDING WALL AROUND THE REACTOR PLANT DEMINERALIZERS, (C) 83-66 - INSTALLATION OF SHIELD WALL CLOSE TO REACTOR COOLANT FILTERS, AND (D) 83-97 - PROVIDE ELECTRICAL POWER FOR STEAM GENERATOR OUTAGE UTILIZING REACTOR COOLANT PUMP POWER LEADS.

(8321 4)

10 CFR 50, APPENDIX B, CRITERION II, AS IMPLEMENTED BY THE POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.2 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE CONDUCTED UNDER SUITABLY CONTROLLED CONDITIONS, INCLUDING CLEANLINESS. CONTRARY TO THE ABOVE, THE FOLLOWING EXAMPLES OF FAILURE TO MAINTAIN CLEANLINESS WERE IDENTIFIED DURING A WALKTHROUGH INSPECTION ON OCTOBER 11, 1983: (A) LOOSE ITEMS (TOOLS, LENS CAPS, PAPER) ON THE REFUELING BRIDGE CRANE WHILE PEOPLE WERE WORKING OVER THE REFUELING POOL, AND (B) GUM WRAPPERS AND CANDY WRAPPERS IN THE RESIDUAL HEAT REMOVAL PUMP ROOM (POSTED AS NO SMOKING OR CHEWING AREA). TECHNICAL SPECIFICATION 15.6.5.3.8 REQUIRES THAT AUDITS BE PERFORMED UNDER THE COGNIZANCE OF THE OFFSITE REVIEW COMMITTEE (OSRC) ENCOMPASSING CONFORMANCE OF FACILITY OPERATION TO PROVISIONS CONTAINED IN THE TECHNICAL SPECIFICATIONS AND APPLICABLE LICENSE CONDITIONS AT LEAST ONCE PER YEAR AND THE RESULTS OF ACTIONS TAKEN TO CORRECT DEFICIENCIES OCCURRING IN FACILITY EQUIPMENT, STRUCTURES, SYSTEMS OR METHOD OF OPERATION THAT AFFECT NUCLEAR SAFETY AT LEAST TWICE PER YEAR. CONTRARY TO THE ABOVE, DURING THE PERIOD NOVEMBER 1980 THROUGH MAY 1983: (A) NO AUDITS WERE PERFORMED UNDER THE COGNIZANCE OF THE OSRC OF TECHNICAL SPECIFICATIONS CONTAINED IN SECTIONS 15.6 (ADMINISTRATIVE CONTROLS), 15.2 (LIMITING SAFETY SYSTEM SETTINGS), 15.5 (DESIGN FEATURES), (B) ONLY LIMITED AUDITS WERE PERFORMED OF TECHNICAL SPECIFICATIONS CONTAINED IN SECTION 15.3 (LIMITING CONDITIONS FOR OPERATION), AND (C) NO AUDITS WERE PERFORMED OF THE RESULTS OF ACTIONS TAKEN TO CORRECT DEFICIENCIES. WHILE REVIEWS WERE PERIODICALLY PERFORMED IN THESE AREAS (ESPECIALLY OF IDENTIFIED PROBLEMS), AUDITS WERE NOT PERFORMED. 10 CFR 50, APPENDIX B, CRITERION XVIII, AS IMPLEMENTED BY POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.18 INCLUDING A COMMITMENT TO ANSI N45.2.12, ANSI N45.2.23 AND ANSI N18.7-1976 REQUIRES THAT A COMPREHENSIVE SYSTEM OF PLANNED AND PERIODIC AUDITS BE CARRIED OUT IN ACCORDANCE WITH WRITTEN PROCEDURES OR CHECKLISTS BY APPROPRIATELY TRAINED PERSONNEL AND THE RESULTS DOCUMENTED AND REVIEWED BY MANAGEMENT HAVING RESPONSIBILITY IN THE AREA AUDITED. CONTRARY TO THE ABOVE, THE FOLLOWING EXAMPLES OF FAILURE TO MEET THESE REQUIREMENTS WERE

Report Period MAR 1984

INSPECTION STATUS - (CONTINUED)

* POINT BEACH 1 *

ENFORCEMENT SUMMARY

IDENTIFIED: (A) AUDITS WERE PERFORMED BY POINT BEACH SITE PERSONNEL AND OSRC MEMBERS NOT HAVING APPROPRIATE AUDIT TRAINING AS REQUIRED BY ANSI N45.2.23-1978. WHILE THESE PERSONNEL HAD APPROPRIATE TECHNICAL QUALIFICATIONS, THEY LACKED TRAINING IN AUDIT TECHNIQUES AND REQUIREMENTS, (B) AUDIT REPORTS BY THE QUALITY ASSURANCE DIVISION DID NOT ALWAYS CONTAIN AN EVALUATION STATEMENT OF THE EFFECTIVENESS OF THE QUALITY ASSURANCE PROGRAM ELEMENTS AUDITED AS REQUIRED BY SECTION 4.4.4 OF ANSI N45.2.12-1976, (C) AUDIT RESPONSES WERE NOT ALWAYS SUBMITTED WITHIN THE 30-DAY TIME PERIOD. FOR EXAMPLE, OF A SAMPLE OF TEN AUDITS PERFORMED BY QAD WITHIN THE LAST 2 YEARS, SIX RESPONSES WERE LATE. OF THE RESPONSES TO THE 55 FINDINGS OF THE AUDIT LED BY A GILBERT/COMMONWEALTH REPRESENTATIVE FOR THE QUALITY ASSURANCE COMMITTEE, 23 WERE LATE BY 27 TO 56 DAYS, AND (D) THE OSRC ISSUED NO REPORTS OF ITS AUDITS AS REQUIRED BY SECTION 4.4 OF ANSI N45.2.12-1976 NOR DOES IT MAINTAIN RECORDS OF AUDIT PROCEDURES OR CHECKLISTS AS REQUIRED BY SECTION 5.2 OF THE STANDARD. AUDIT RESULTS WERE SUMMARIZED IN OSRC MEETING MINUTES. 10 CFR 50, APPENDIX B, CRITERION XV AS IMPLEMENTED BY THE POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.15 INCLUDING A COMMITMENT TO ANSI N18.7-1976 REQUIRES THAT PROCEDURES AND PRACTICES BE ESTABLISHED AND DOCUMENTED TO CONTROL MATERIALS, PARTS, OR COMPONENTS WHICH DO NOT CONFORM TO REQUIREMENTS IN ORDER TO PREVENT THEIR INADVERTENT USE OR INSTALLATION. CONTRARY TO THE ABOVE, NO DOCUMENTED PROGRAM EXISTED TO PREVENT THE USE OF MATERIAL FROM "READY STORES" THAT HAD EXCEEDED ITS SHELF LIFE. 10 CFR 50, APPENDIX B, CRITERION XVII, AS IMPLEMENTED BY THE POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.17 REQUIRES THAT SUFFICIENT RECORDS BE MAINTAINED TO FURNISH EVIDENCE OF ACTIVITIES AFFECTING QUALITY AND THAT THESE RECORDS BE STORED TO PREVENT DESTRUCTION BY FIRE, FLOODING, THEFT, OR DETERIORATION BY ENVIRONMENTAL CONDITIONS. PROCEDURE PBNP 2.2.1 REQUIRES THAT THESE RECORDS BE STORED IN THE VAULT OR MICROFILMED FOR DUPLICATE RECORD STORAGE. CONTRARY TO THE ABOVE, THE ONLY COPIES OF MRS DATING FROM 1978 AND RECORDS OF SURVEILLANCE TESTS PT-M-1 (1971-83), PT-S-2 (1976-83), PT-A-1 (1971-83) WERE STORED ON OPEN SHELVES IN THE MAINTENANCE OFFICE AND IN NON-FIRE RATED CABINETS IN THE I&C OFFICE.
(8321 5)

TECHNICAL SPECIFICATION 15.6.8.1 STATES IN PART, "THE PLANT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH APPROVED PROCEDURES...". MORRISON KNUDSEN GENERAL HOUSEKEEPING & CLEANLINESS PROCEDURE - SQP-13.1 REV. 1P SECTION 4.5 "HOUSEKEEPING IN CONSTRUCTION AREAS" STEP 4.5.2 STATES "THE WORK AND SHOP AREAS SHALL BE KEPT SUFFICIENTLY CLEAN AND ORDERLY TO PERMIT EFFICIENT EXECUTION OF CONSTRUCTION ACTIVITIES AND MINIMIZE FIRE HAZARDS. DEBRIS SHALL BE COLLECTED AND DISPOSED OF EXPEDITIOUSLY". STEP 4.5.4 STATED "THE DEPLOYMENT OF CONSTRUCTION TOOLS, PUMPS, AIR COMPRESSORS, HOSES, WELDING AND POWER LEADS AND OTHER EQUIPMENT SHALL BE NEAT AND ORDERLY AND MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES. THE GS WILL RESOLVE INTERFERENCES". STEP 4.7.6 STATED "CYLINDERS OF COMBUSTIBLE COMPRESSED GAS SHALL BE SECURED UPRIGHT. THEY SHOULD BE KEPT AWAY FROM SOURCES OF HEAT. NO STORAGE OF ANY CYLINDERS WITHIN THE CONTAINMENT STRUCTURE IS ALLOWED". STEP 4.7.9 STATED IN PART "...ANY WOOD, FOR ANY PURPOSE, NOT ACTUALLY BEING USED, SHALL BE REMOVED FROM CONTAINMENT. THERE SHALL BE NO STORAGE OF WOOD IN CONTAINMENT". CONTRARY TO THE ABOVE ON DECEMBER 4, 1983, A FIRE IN CONTAINMENT RESULTED WHEN WELDING SLAG LANDED ON AN ACETYLENE HOSE ATTACHED TO AN ACETYLENE BOTTLE THAT WAS NOT IN USE AND WAS NOT MOVED TO A SAFER LOCATION. THERE WERE AT LEAST THREE SEPARATE STACKS OF WOOD IN STORAGE ON THE 66 FOOT LEVEL OF CONTAINMENT. IN ADDITION, THERE WERE A NUMBER OF UNPROTECTED ELECTRICAL WELDING LEADS AND OXY-ACETYLENE HOSE LYING ON THE WALK-WAY ADJAENT TO THE AREA USED TO MOVE EQUIPMENT IN AND OUT OF CONTAINMENT.
(8326 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C.W. FAY (414) 277-2811

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 495

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>102,265.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,184.0</u>	<u>90,612.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>198.3</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,184.0</u>	<u>89,086.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>182.7</u>
17. Gross Therm Ener (MWH)	<u>1,125,590</u>	<u>3,288,250</u>	<u>124,183,027</u>
18. Gross Elec Ener (MWH)	<u>379,060</u>	<u>1,108,710</u>	<u>42,068,540</u>
19. Net Elec Ener (MWH)	<u>362,985</u>	<u>1,061,615</u>	<u>40,066,880</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>87.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>87.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.6</u>	<u>98.2</u>	<u>79.7*</u>
23. Unit Cap Factor (DER Met)	<u>98.2</u>	<u>97.8</u>	<u>78.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>1.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>692.2</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

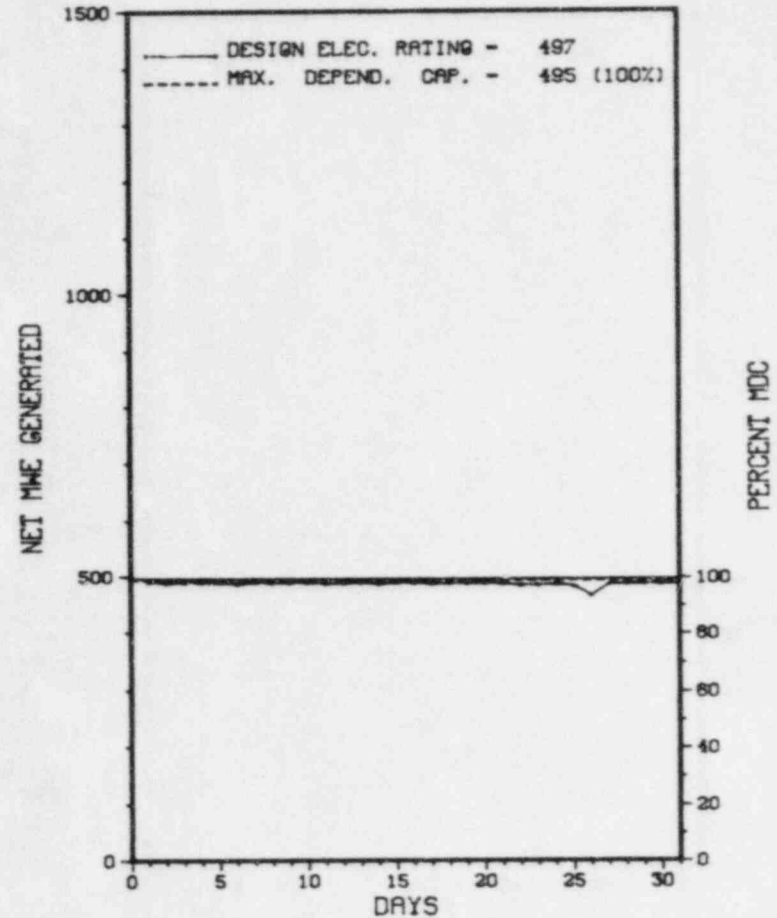
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

* SUMMARY *

POINT BEACH 2 OPERATED ROUTINELY IN MARCH WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Even' Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* POINT BEACH 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 30, 1972
DATE ELEC ENER 1ST GENER...AUGUST 2, 1972
DATE COMMERCIAL OPERATE...OCTOBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 13-16, 1983 AND JANUARY 10-13, 1984 (83-20): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ONSITE IN THE AREAS OF MODIFICATION PROGRESS, STEAM GENERATOR REPLACEMENT PROJECT, AND PRESERVE INSPECTION. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW SGRP PROCEDURES).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION VI, AS IMPLEMENTED BY THE POINT BEACH QUALITY ASSURANCE PROGRAM, FSAR SECTION 1.8.6 INCLUDING A COMMITMENT TO ANSI N18.7-1976, REQUIRES MEASURES BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS, SUCH AS INSTRUCTIONS, PROCEDURES, AND DRAWINGS, INCLUDING CHANGES THERETO AND THAT THE MEASURES ASSURE THAT THE DOCUMENTS AND CHANGES ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE AND USED AT THE LOCATION WHERE THE PRESCRIBED ACTIVITY IS PERFORMED. CONTRARY TO THE ABOVE, THE FOLLOWING EXAMPLES OF FAILURE TO COMPLY WITH THESE REQUIREMENTS WERE IDENTIFIED: (A) THE INSTRUMENT AND CONTROLS DEPARTMENT DID NOT ANNOTATE OR UPDATE DRAWINGS IN THE SHOP WHEN DCNS WERE ISSUED AS REQUIRED BY SECTION 5.2.15 OF ANSI N18.7-1976 AND PROCEDURE PBNP 2.2.4, (B) DCNS 83-43 AND 83-78 WERE NOT INCORPORATED INTO CONTROLLED DRAWINGS M-201 AND M-207 IN THE CONTROL ROOM, AUXILIARY FEEDWATER PUMP ROOM AND AUXILIARY BUILDING AS REQUIRED BY SECTION 5.2.15 OF ANSI N18.7-1976 AND PBNP 2.2.4, (C) MAINTENANCE PROCEDURE PT-M-1 WAS PERFORMED ON BATTERIES D05 AND D06 FROM JULY 31 THROUGH OCTOBER 31, 1975 AND ON BATTERY D06 ON SEPTEMBER 30, 1983, WITH OUT-OF-DATE REVISIONS OF THE PROCEDURE, (D) THE MAINTENANCE DEPARTMENT DID NOT MAINTAIN INDICES OR ANOTHER SYSTEM TO

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

XX
X POINT BEACH 2 X
XX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-01/	02/23/84	03/15/84	SNUBBER REMOVED PRIOR TO TS CHANGE.

1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 534

8. Maximum Dependable Capacity (Net MWe): 503

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

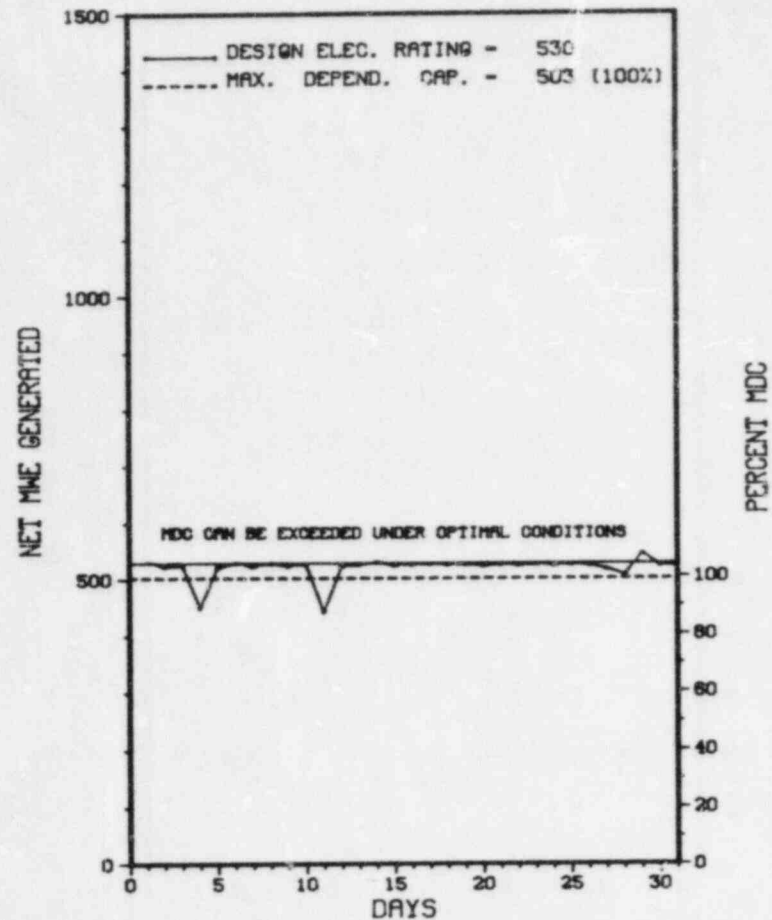
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>90,216.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,134.4</u>	<u>73,807.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,113.0</u>	<u>72,494.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,212,731</u>	<u>3,371,053</u>	<u>113,682,215</u>
18. Gross Elec Ener (MWH)	<u>407,980</u>	<u>1,131,540</u>	<u>37,011,340</u>
19. Net Elec Ener (MWH)	<u>387,867</u>	<u>1,073,870</u>	<u>34,665,299</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.7</u>	<u>80.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.7</u>	<u>80.4</u>
22. Unit Cap Factor (MDC Net)	<u>103.6</u>	<u>97.8</u>	<u>76.4</u>
23. Unit Cap Factor (DER Net)	<u>98.4</u>	<u>92.8</u>	<u>72.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,920.9</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: N/A

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
	03/04/84	S	0.0	B	5			TURBINE VALVE TEST.
	03/11/84	S	0.0	B	5			ADDED OIL TO REACTOR COOLANT PUMP, CHECKED FEEDWATER PUMP COUPLINGS.

 * SUMMARY *

 PRAIRIE ISLAND 1 OPERATED ROUTINELY IN MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....GOODHUE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MN; MN;
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 1, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973
DATE COMMERCIAL OPERATE...DECEMBER 16, 1973
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER
CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401
CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-282
LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 11, - FEBRUARY 10, (83-24): ROUTINE RESIDENT INSPECTION OF PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, EMERGENCY PLANNING, LICENSEE EVENT REPORTS, IE BULLETINS, STRIKE PLANS, MEETINGS WITH STATE AND LOCAL OFFICIALS, REFUELING OUTAGE INSPECTION, HILLS-MCCANNA ACTUATORS, AND REACTOR COOLING SYSTEM HIGH POINT VENTS. THE INSPECTION INVOLVED A TOTAL OF 384 INSPECTOR-HOURS ONSITE BY 3 NRC INSPECTORS INCLUDING 39 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 15-17, (84-03): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR PART 20 AND 10 CFR PART 61 REQUIREMENTS FOR DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTES INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE FACILITY, AND IMPLEMENTATION OF WASTE FORM AND WASTE CLASSIFICATION REQUIREMENTS. THE INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* PRAIRIE ISLAND 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 12-16, 1984

INSPECTION REPORT NO: 84-05

R E P O R T S F R O M L I C E N S E E

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Packet: 20-306 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Facility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

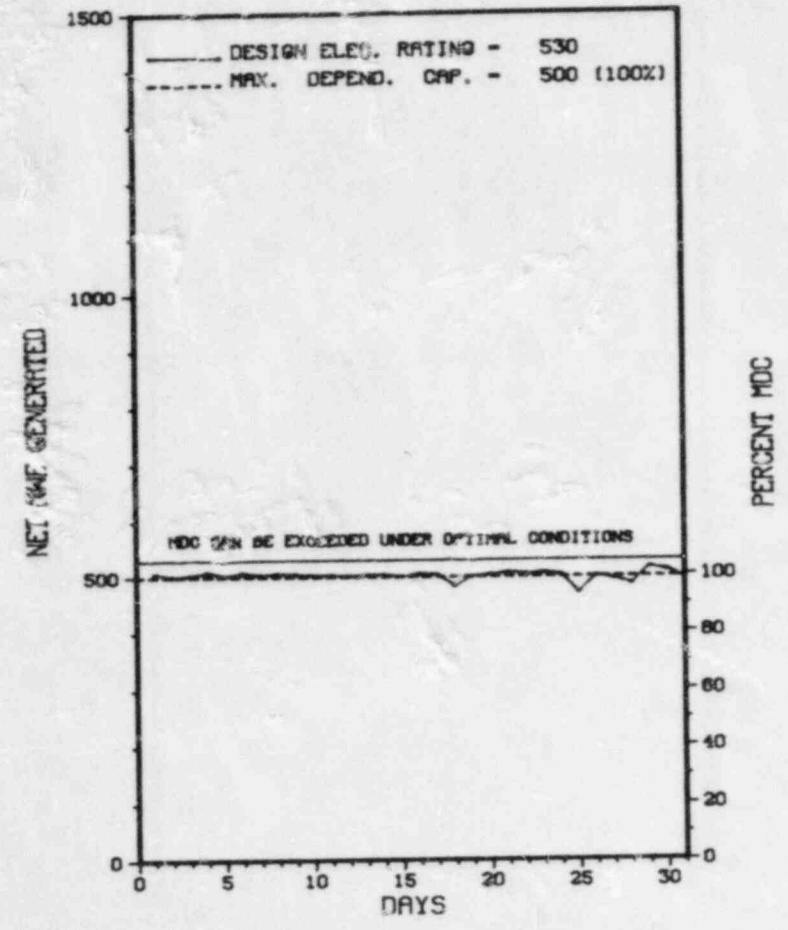
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>81,334.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,184.0</u>	<u>10,434.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,184.0</u>	<u>69,477.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,167,259</u>	<u>3,492,139</u>	<u>109,223,997</u>
18. Gross Elec Ener (MWH)	<u>392,270</u>	<u>1,174,290</u>	<u>35,281,696</u>
19. Net Elec Ener (MWH)	<u>373,470</u>	<u>1,119,071</u>	<u>33,093,954</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>85.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>85.4</u>
22. Unit Cap Factor (MDC Net)	<u>100.4</u>	<u>102.5</u>	<u>81.4</u>
23. Unit Cap Factor (DER Net)	<u>94.7</u>	<u>96.7</u>	<u>76.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,315.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING OUTAGE IN AUGUST OF 1984.</u>			

27. If Currently Shutdown Estimated Startup Date: N/A

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	03/18/84	S	0.0	B	5				AXIAL OFFSET TEST.
	03/25/84	S	0.0	B	5				TURBINE VALVES TEST.

 * SUMMARY *

 PRAIRIE ISLAND 2 OPERATED ROUTINELY IN MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		

* PRAIRIE ISLAND 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 17, 1974

DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974

DATE COMMERCIAL OPERATE...DECEMBER 21, 1974

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER...MISSISSIPPI RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HARD

LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-306

LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974

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MINNEAPOLIS, MINNESOTA 55401

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 11, - FEBRUARY 10, (83-24): ROUTINE RESIDENT INSPECTION OF PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, EMERGENCY PLANNING, LICENSEE EVENT REPORTS, IE BULLETINS, STRIKE PLANS, MEETINGS WITH STATE AND LOCAL OFFICIALS, REFUELING OUTAGE INSPECTION, HILLS-MCCANNA ACTUATORS, AND REACTOR COOLING SYSTEM HIGH POINT VENTS. THE INSPECTION INVOLVED A TOTAL OF 384 INSPECTOR-HOURS ONSITE BY 3 NRC INSPECTORS INCLUDING 39 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 15-17, (84-02): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR PART 20 AND 10 CFR PART 61 REQUIREMENTS FOR DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTES INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE FACILITY, AND IMPLEMENTATION OF WASTE FORM AND WASTE CLASSIFICATION REQUIREMENTS. THE INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* PRAIRIE ISLAND 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 12-16, 1984

INSPECTION REPORT NO: 84-05

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

=====

1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: ALEX MISAK (309) 654-2241 X194

4. Licensed Thermal Power (MWt): 2511

5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

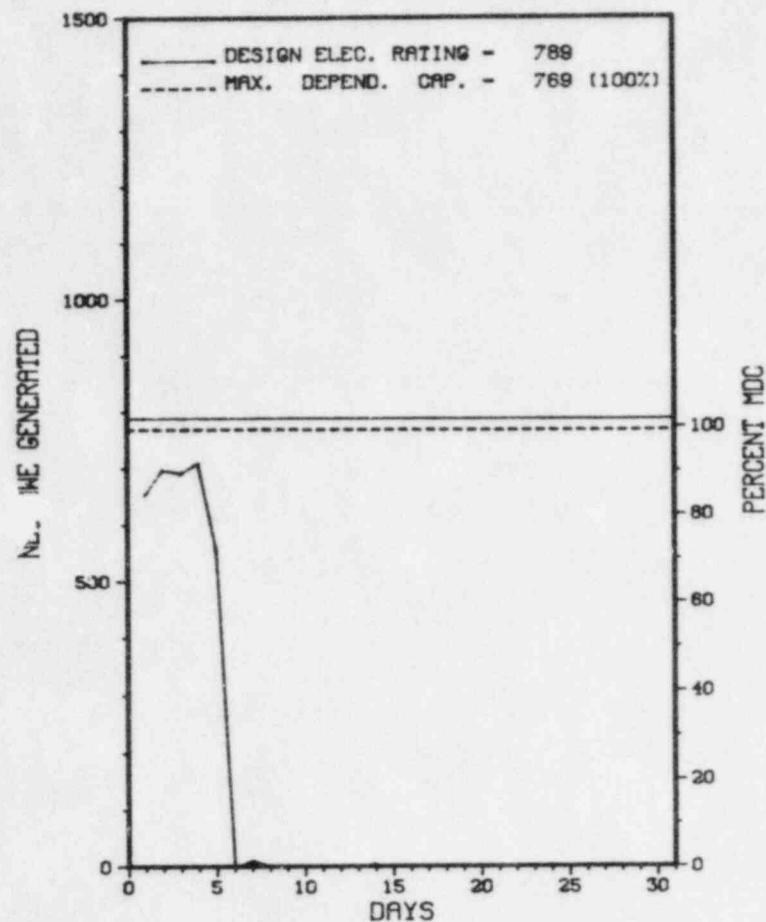
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>104,208.0</u>
13. Hours Reactor Critical	<u>122.1</u>	<u>1,562.1</u>	<u>85,117.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>121.2</u>	<u>1,561.2</u>	<u>81,908.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>252,848</u>	<u>3,659,732</u>	<u>168,766,438</u>
18. Gross Elec Ener (MWH)	<u>83,636</u>	<u>1,213,148</u>	<u>54,471,876</u>
19. Net Elec Ener (MWH)	<u>79,579</u>	<u>1,152,950</u>	<u>50,758,210</u>
20. Unit Service Factor	<u>16.3</u>	<u>71.5</u>	<u>78.6</u>
21. Unit Avail Factor	<u>16.3</u>	<u>71.5</u>	<u>79.5</u>
22. Unit Cap Factor (MDC Net)	<u>13.9</u>	<u>68.6</u>	<u>63.3</u>
23. Unit Cap Factor (DER Net)	<u>13.6</u>	<u>66.9</u>	<u>61.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,728.0</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>07/30/84</u>			

* Q U A D C I T I E S 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-12	03/04/84	S	0.0	B	5		HA	XXXXXX	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-13	03/05/84	F	0.0	B	5	84-1	SF	VALVEX	REDUCED LOAD FOR DRYWELL ENTRY TO INSPECT '1E' ELECTROMATIC RELIEF VALVE.
84-14	03/06/84	S	622.8	C	1	84-1	RC	FUELXX	UNIT ONE SHUTDOWN FOR END OF CYCLE SEVEN REFUELING AND MAINTENANCE.

 * SUMMARY *

 QUAD CITIES 1 BEGAN A REFUELING AND MAINTENANCE SHUTDOWN ON MARCH 6.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* QUAD CITIES 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....ROCK ISLAND
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 18, 1971
DATE ELEC ENER 1ST GENER...APRIL 12, 1972
DATE COMMERCIAL OPERATE....FEBRUARY 18, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-254
LICENSE & DATE ISSUANCE....DPR-29, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON AUGUST 4, SEPTEMBER 16, 20, OCTOBER 5-6, 12-13, 31, NOVEMBER 4-5, 15, DECEMBER 7, 21, JANUARY 5, 9-10, 12 AND FEBRUARY 2, (83-24): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES, REPLACEMENT OF THE REACTOR WATER CLEANUP (RWCU) SYSTEM PIPING, TORUS MODIFICATION, IE BULLETINS, LICENSEE EVENT REPORTS (LER), EROSION OF PUMP CASINGS OF RHR SERVICE WATER, AND MEETINGS AT EPRI-NDE CENTER AND THE NRC HEADQUARTERS. THIS INSPECTION INVOLVED A TOTAL OF 120 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 12 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 17, THROUGH JANUARY 24, (83-31): SPECIAL, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF AN EVENT INVOLVING THE DEFEATING OF SECONDARY CONTAINMENT INTEGRITY DURING OPERATION. THE INSPECTION INVOLVED A TOTAL OF 78 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS AND 33 HOURS BY 11 NRC PERSONNEL IN THE REGION III OFFICES DURING THE ENFORCEMENT CONFERENCE ON JANUARY 24, 1984. IN THE AREA INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (EXCEEDING TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION FOR SECONDARY CONTAINMENT INTEGRITY; AND NOT HAVING A PROCEDURE FOR CONTROLLING STATUS OF THE MAIN STEAM ISOLATION VALVE ROOM).

ENFORCEMENT SUMMARY

NONE

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* Q U A D C I T I E S 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUT DOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 20-23, 1984

INSPECTION REPORT NO: 84-03

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-02/	03/07/84	03/22/84	LEAK RATE FROM ALL VALVES & PENETRATIONS FOUND IN EXCESS OF TECHNICAL SPECIFICATIONS.

=====

1. Docket: 50-265 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: ALEX MISAK (309) 654-2241 X194

4. Licensed Thermal Power (MWt): 2511

5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

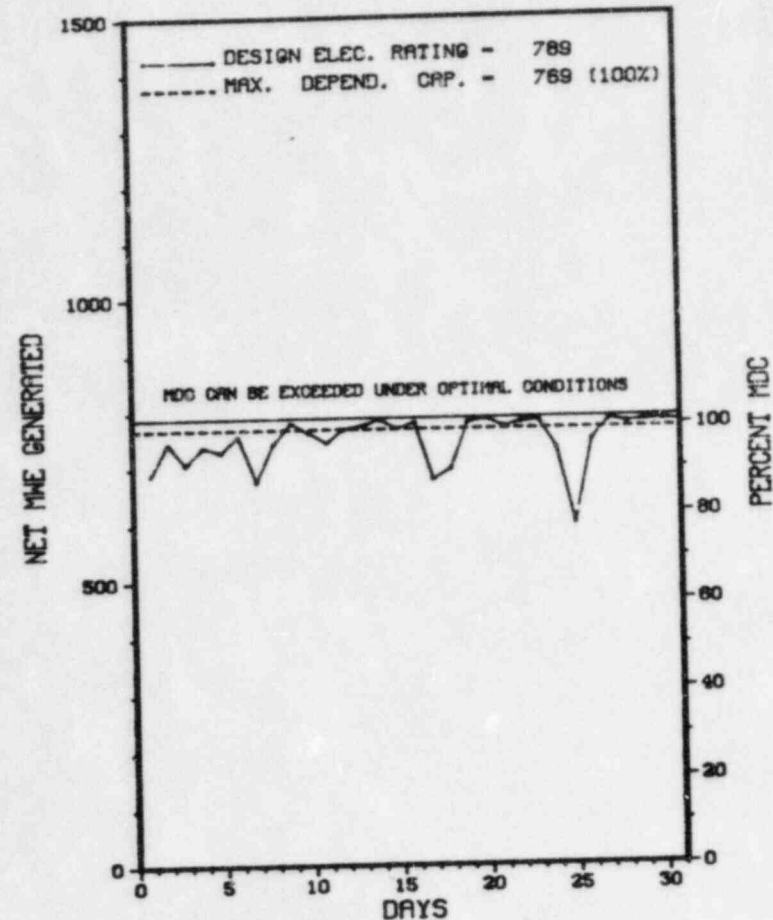
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>103,318.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>989.5</u>	<u>78,907.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>904.3</u>	<u>76,114.1</u>
16. Unit Reserve Sntdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,783,500</u>	<u>1,977,283</u>	<u>157,359,371</u>
18. Gross Elec Ener (MWH)	<u>583,515</u>	<u>641,733</u>	<u>50,077,491</u>
19. Net Elec Ener (MWH)	<u>554,974</u>	<u>608,312</u>	<u>46,943,186</u>
20. Unit Service Factor	<u>100.0</u>	<u>41.4</u>	<u>73.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>41.4</u>	<u>74.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>36.2</u>	<u>59.1</u>
23. Unit Cap Factor (DER Net)	<u>94.5</u>	<u>35.3</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.6</u>	<u>8.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>107.7</u>	<u>3,297.8</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: N/A

* QUAD CITIES 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-5	03/03/84	F	0.0	B	5		HG	DEMINX	REDUCED LOAD DUE TO CONDENSATE DEMINERALIZER PROBLEMS.
84-6	03/05/84	F	0.0	B	5		HG	DEMINX	REDUCED LOAD DUE TO CONDENSATE DEMINERALIZER PROBLEMS.
84-7	03/06/84	F	0.0	B	5		HG	DEMINX	REDUCED LOAD DUE TO CONDENSATE DEMINERALIZER PROBLEMS.
84-8	03/07/84	S	0.0	B	5		CD	VALVEX	REDUCED LOAD FOR WEEKLY MSIV TESTING.
84-9	03/07/84	F	0.0	B	5		HA	TURBIN	REDUCED LOAD DUE TO HIGH TURBINE VIBRATION.
84-10	03/10/84	S	0.0	B	5		RB	CONROD	REDUCED LOAD FOR CONTROL ROD PATTERN ADJUSTMENTS.
84-11	03/17/84	F	0.0	B	5		CH	VALVEX	REDUCED LOAD DUE TO FAILED FEEDWATER REGULATING VALVE.
84-12	03/24/84	S	0.0	B	5		CB	ZZZZZ	REDUCED LOAD FOR FLOW CONTROL LINE DETERMINATION AND SINGLE RECIRCULATION LOOP OPERATION DATA COLLECTION.

 * SUMMARY *

 QUAD CITIES 2 OPERATED ROUTINELY IN MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* QUAD CITIES 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....ROCK ISLAND
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...APRIL 26, 1972
DATE ELEC ENER 1ST GENER...MAY 23, 1972
DATE COMMERCIAL OPERATE...MARCH 10, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-265
LICENSE & DATE ISSUANCE...DPR-30, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON AUGUST 4, SEPTEMBER 16, 20, OCTOBER 5-6, 12-13, 31, NOVEMBER 4-5, 15, DECEMBER 7, 21, JANUARY 5, 9-10, 12 AND FEBRUARY 2, (83-23): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES, REPLACEMENT OF THE REACTOR WATER CLEANUP (RWCU) SYSTEM PIPING, TORUS MODIFICATION, IE BULLETINS, LICENSEE EVENT REPORTS (LER), FROSION OF PUMP CASINGS OF RHR SERVICE WATER, AND MEETINGS AT EPRI-NDE CENTER AND THE NRC HEADQUARTERS. THIS INSPECTION INVOLVED A TOTAL OF 120 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 12 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 17, THROUGH JANUARY 24, (83-30): SPECIAL, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF AN EVENT INVOLVING THE DEFEATING OF SECONDARY CONTAINMENT INTEGRITY DURING OPERATION. THE INSPECTION INVOLVED A TOTAL OF 78 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS AND 33 HOURS BY 11 NRC PERSONNEL IN THE REGION III OFFICES DURING THE ENFORCEMENT CONFERENCE ON JANUARY 24, 1984. IN THE AREA INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (EXCEEDING TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION FOR SECONDARY CONTAINMENT INTEGRITY; AND NOT HAVING A PROCEDURE FOR CONTROLLING STATUS OF THE MAIN STEAM ISOLATION VALVE ROOM).

ENFORCEMENT SUMMARY

NONE

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (C O N T I N U E D)

* Q U A D C I T I E S 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 1 - MARCH 30, 1984

INSPECTION REPORT NO: 84-02

R E P O R T S F R O M L I C E N S E E

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
-----
84-03/    02/11/84    03/08/84    LOSS OF 480 VT ESSENTIAL SERVICE BUSES 28 & 29 WHILE THE UNIT WAS SHUT DOWN.
84-04/    02/15/84    03/13/84    REACTOR SCRAM WHILE SHUT DOWN CAUSED BY FAULTY 10% CLOSURE LIMIT SWITCH ON MSIV AO-2-203-2A.
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1. Docket: 50-312 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: RON COLOMBO (916) 452-3211

4. Licensed Thermal Power (MWt): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

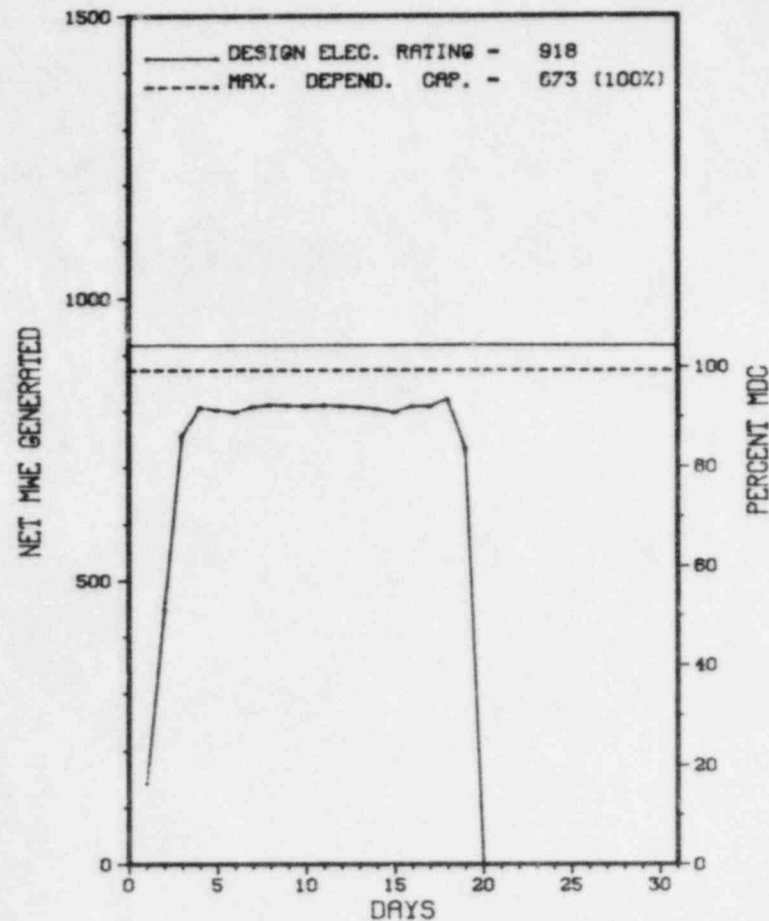
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>78,505.0</u>
13. Hours Reactor Critical	<u>454.3</u>	<u>1,888.1</u>	<u>46,239.7</u>
14. Rx Reserve Shtdwn Hrs	<u>289.7</u>	<u>289.7</u>	<u>9,603.5</u>
15. Hrs Generator On-Line	<u>442.5</u>	<u>1,876.3</u>	<u>44,418.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>1,077,476</u>	<u>4,540,307</u>	<u>110,451,649</u>
18. Gross Elec Ener (MWH)	<u>355,757</u>	<u>1,519,329</u>	<u>36,915,401</u>
19. Net Elec Ener (MWH)	<u>333,169</u>	<u>1,429,380</u>	<u>34,803,704</u>
20. Unit Service Factor	<u>59.5</u>	<u>85.9</u>	<u>56.6</u>
21. Unit Avail Factor	<u>59.5</u>	<u>85.9</u>	<u>58.1</u>
22. Unit Cap Factor (MDC Net)	<u>51.3</u>	<u>75.0</u>	<u>50.8</u>
23. Unit Cap Factor (DER Net)	<u>48.8</u>	<u>71.3</u>	<u>48.3</u>
24. Unit Forced Outage Rate	<u>40.5</u>	<u>14.1</u>	<u>27.4</u>
25. Forced Outage Hours	<u>301.5</u>	<u>307.7</u>	<u>16,717.7</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>04/19/84</u>			

 * RANCHO SECO 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	02/29/84	F	11.3	A	4	84-7	EA		PG&E LOSS OF TRANSMISSION LINES CAUSED LOW VOLTAGE FREQUENCY. PLANT COULD NOT HANDLE LOAD DEMAND ON 3 RCP OPERATION.
5	03/19/84	F	290.2	A	2	84-15	HA		HYDROGEN EXPLOSION IN EXCITER ENCLOSURE. CORRECTIVE ACTION UNDER INVESTIGATION.

 * SUMMARY *

 RANCHO SECO EXPERIENCED 2 SHUTDOWNS IN MARCH AS DESCRIBED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* RANCHO SECO 1 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SACRAMENTO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974

DATE ELEC ENER 1ST GENER...OCTOBER 13, 1974

DATE COMMERCIAL OPERATE...APRIL 17, 1975

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER...FOLSOM CANAL

ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT

CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....H. CANTER

LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312

LICENSE & DATE ISSUANCE...DPR-54, AUGUST 16, 1974

PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 7-18, 1983 (REPORT NO. 50-312/83-35) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 7 - 10, 1984 (REPORT NO. 50-312/84-02) AREAS INSPECTED: SPECIAL INSPECTION OF VARIOUS PAS TEAM FINDINGS AT RANCHO SECO. THE INSPECTION INVOLVED 28 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: THIRTEEN OF THE PAS FINDINGS WERE IDENTIFIED TO BE VIOLATIONS. TWO ITEMS WERE NOT REVIEWED BECAUSE THEY WERE REPORTED IN INSPECTION REPORT NO. 50-312/83-34.

+ INSPECTION ON FEBRUARY 13 - 17, 1984 (REPORT NO. 50-312/84-03) AREAS INSPECTED: THIS WAS A ROUTINE, ANNOUNCED, CONFIRMATORY MEASUREMENTS INSPECTION INVOLVING THE REGION V MOBILE LABORATORY. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JANUARY 9 - FEBRUARY 24, 1984 (REPORT NO. 50-312/84-04) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION; SPENT FUEL STORAGE MODIFICATION; EMERGENCY PLANNING; PART 21 REPORT FOLLOWUP; MEDIA CONTACT; RADIOLOGICAL CONTROLS TRAINING; TMI MODIFICATIONS; AND ENVIRONMENTAL SAMPLING. THE INSPECTION INVOLVED 211 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 9 - 13, 1984 (REPORT NO. 50-312/84-05) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 9 - 13, 1984 (REPORT NO. 50-312/84-06) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.3.A STATES, "TEMPORARY CHANGES TO PROCEDURES OF 6.8.1 ABOVE MAY BE MADE PROVIDED: (A) THE INTENT OF THE ORIGINAL PROCEDURE IS NOT ALTERED." CONTRARY TO THE REQUIREMENT, ON OCTOBER 25, 1983 AN INTENT CHANGE WAS MADE TO OPERATING PROCEDURE A.31, DIESEL GENERATOR SYSTEM, THAT BYPASSED A LIMIT AND PRECAUTION STATEMENT WHICH PROHIBITED THE OPERATION OF TWO DIESEL GENERATORS IN PARALLEL WITH THE 220KV SYSTEM AT THE SAME TIME.

TECHNICAL SPECIFICATION 6.8.3.A STATES, "TEMPORARY CHANGES TO PROCEDURES OF 6.8.1 ABOVE MAY BE MADE PROVIDED: (A) THE INTENT OF THE ORIGINAL PROCEDURE IS NOT ALTERED." CONTRARY TO THE REQUIREMENT, ON DECEMBER 14, 1983, AN INTENT CHANGE WAS MADE TO SURVEILLANCE PROCEDURE SP200.04, INCORE INSTRUMENT SURVEILLANCE, WHICH BYPASSED A LIMIT AND PRECAUTION STATEMENT THAT REQUIRED EQUILIBRIUM XENON BE PRESENT PRIOR TO PERFORMING THE TEST.
(8334 4)

TECHNICAL SPECIFICATION 6.8.1 STATES IN PART, "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE ACTIVITIES REFERENCED BELOW: A. THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER, 1972." APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER, 1972 STATES THAT EQUIPMENT CONTROL ADMINISTRATIVE PROCEDURES SHOULD BE IN PLACE AT THE PLANT. ADMINISTRATIVE PROCEDURE 26 (AP.26) STATES IN PARAGRAPH 5.52, "...FOREMAN OF CRAFTSMAN CLOSES OUT ENTRY IN SHIFT SUPERVISOR'S LOG AND RELEASES EQUIPMENT TO OPERATIONS TO BE PLACED IN SERVICE. LOWER PART OF TAG IS DESTROYED." CONTRARY TO THE REQUIREMENT, ON NOVEMBER 7, 1983, AT 8:40 AM THE INSPECTOR DISCOVERED THE LOWER PART OF ABNORMAL TAGS 3035 AND 3036 ON THE CONTROL ROOM STATUS HANGER AND THE ABNORMAL TAG LOG INDICATED THESE TAGS WERE STILL HUNG. IN FACT, THE TWO TAGS WERE REMOVED AND THEIR STATUS NOT UPDATED.
(8334 5)

TECHNICAL SPECIFICATION 6.8.1 STATES IN PART THAT "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED..." A TEMPORARY CHANGE TO OPERATING PROCEDURE A.52, HYDROGEN MONITOR AND PURGE SYSTEM REQUIRED IN STEP 7.27 THAT ONE IS TO "OPEN WGS-097," THE HYDROGEN PURGE BLOWER SUCTION VALVE TO ENSURE THAT AIR WOULD FLOW INTO THE REACTOR BUILDING. THE CHANGE REQUIRED IN STEP 7.2.8 THAT ONE IS TO "CLOSE WGS-097 WHEN REACTOR BUILDING PRESSURE APPROACHES -0.25 PSIG ON THE TREND RECORDER." CONTRARY TO THIS REQUIREMENT, BETWEEN 1305 AND 1533 ON DECEMBER 29, 1983, A.52, STEPS 7.2.7 AND 7.2.8 WERE NOT FOLLOWED IN THAT HGS 005 AND HGS 010 WERE MANIPULATED IN ACCORDANCE WITH THE ORIGINAL PROCEDURE RATHER THAN HGS 097 AS PER THE TEMPORARILY CHANGED PROCEDURE. VIOLATION ASSESSED CIVIL PENALTY: TECHNICAL SPECIFICATION 3.5.1.2 REQUIRES, "IN THE EVENT THE NUMBER OF PROTECTION CHANNELS OPERABLE FALLS BELOW THE LIMIT GIVEN UNDER TABLE 3.5.1-1, COLUMNS A AND B, OPERATION SHALL BE LIMITED AS SPECIFIED IN COLUMN C. IN THE EVENT THE NUMBER OF OPERABLE PROCESS INSTRUMENTATION CHANNELS IS LESS THAN THE TOTAL NUMBER OF CHANNEL(S), RESTORE THE INOPERABLE CHANNELS TO OPERABLE STATUS WITHIN SEVEN DAYS, OR BE IN AT LEAST HOT SHUTDOWN WITHIN THE NEXT 12 HOURS. IF THE NUMBER OF OPERABLE CHANNELS IS LESS THAN THE MINIMUM CHANNELS OPERABLE, EITHER RESTORE THE INOPERABLE CHANNELS TO OPERABLE, WITHIN 48 HOURS OR BE IN AT LEAST HOT SHUTDOWN WITHIN THE NEXT 12 HOURS." TECHNICAL SPECIFICATION TABLE 3.5.1-1, ITEM 1 UNDER PROCESS INSTRUMENTATION LISTS 3 TOTAL PRESSURIZER WATER LEVEL CHANNELS IN COLUMN A AND ONE MINIMUM CHANNEL OPERABLE IN COLUMN B. COLUMN C REFERS ONE TO SECTION 3.5.1.2. TECHNICAL SPECIFICATION 1.3 DEFINES OPERABLE AS FOLLOWS: "A COMPONENT OR SYSTEM IS OPERABLE WHEN IT IS CAPABLE OF PERFORMING ITS INTENDED FUNCTION WITHIN THE REQUIRED RANGE. THE COMPONENT OR SYSTEM SHALL BE CONSIDERED TO HAVE THIS CAPABILITY WHEN: (1) IT SATISFIES THE LIMITING CONDITIONS FOR OPERATION DEFINED IN SPECIFICATION 3, AND (2) IT HAS BEEN TESTED PERIODICALLY IN ACCORDANCE WITH SPECIFICATION 4, AND HAS MET ITS PERFORMANCE REQUIREMENTS." CONTRARY TO THESE REQUIREMENTS, THE PLANT WAS OPERATED BETWEEN THE THIRD SHIFT ON OCTOBER 29, 1983 AND THE THIRD SHIFT ON DECEMBER 15, 1983 OUTSIDE THE PERFORMANCE REQUIREMENTS FOR PRESSURIZER WATER LEVEL INSTRUMENTS.

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* RANCHO SECO 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-28 01T-0	09-19-83	10-03-83	POWER-OPERATED RELIEF FAILED OPEN AT LOW PRESSURE (30 PSIG)
83-30 01L-0	08-29-83	09-27-83	XENON-133 IN NITROGEN GAS SYSTEM
83-33 01L-0	09-01-83	09-29-83	IMPROPER REVIEW OF NSRW PUMP SURVEILLANCE TEST
83-34 01L-0	09-12-83	10-11-83	OVERDUE PERFORMANCE OF AUXILIARY FEED SURVEILLANCE TEST
83-35 01L-0	09-20-83	10-11-83	ACTIVITY IN COMPONENT COOLING WATER SYSTEM
83-36 01L-0	09-19-83	10-18-83	SEAL LEAKAGE IN 'B' DECAY HEAT PUMP
83-40 01L-0	12-09-83	01-09-84	IMPROPER CALIBRATION OF AUXILIARY FEEDWATER FLOW INDICATORS
84-03 01L-0	01-17-84	02-17-84	APPROVAL OF SURVEILLANCE PROCEDURE IN CONFLICT WITH TECH SPECS
84-04 01L-0	01-24-84	03-02-84	FAILURE OF POWER SUPPLY TO METEOROLOGICAL TOWER
84-05 01L-0	01-10-84	02-17-84	INOPERABILITY OF EMERGENCY EVACUATION SIRENS
84-06 01L-0	01-31-84	03-02-84	SOME FIRE BRIGADE MEMBERS DID NOT ATTEND REQUIRED TRAINING SESSION

1. Docket: 50-261 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: H. RAY NORRIS (803) 383-4524

4. Licensed Thermal Power (MWt): 2300

5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

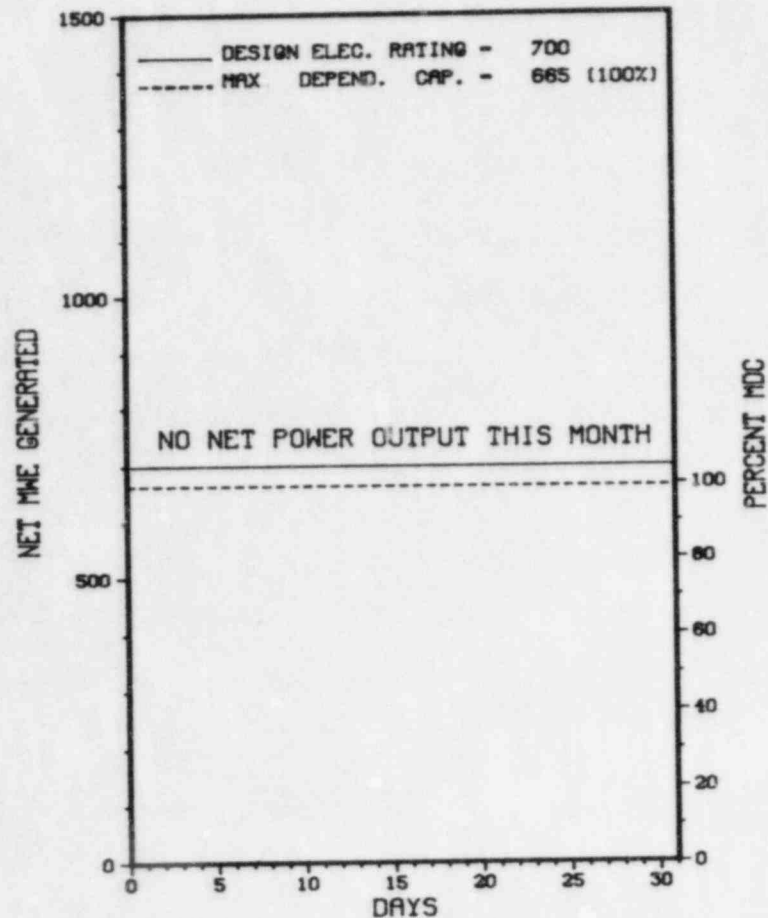
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>114,630.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>616.1</u>	<u>84,196.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>38.9</u>	<u>1,675.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>615.8</u>	<u>82,065.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>783,895</u>	<u>162,875,180</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>246,010</u>	<u>52,344,876</u>
19. Net Elec Ener (MWH)	<u>-2,680</u>	<u>218,833</u>	<u>49,438,457</u>
20. Unit Service Factor	<u>.0</u>	<u>28.2</u>	<u>71.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>28.2</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>15.1</u>	<u>64.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>14.3</u>	<u>61.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.2</u>	<u>14.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>128.2</u>	<u>8,233.5</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 10/25/84

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0301	01/26/84	S	744.0	C	4		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

* SUMMARY *

ROBINSON 2 REMAINS SHUTDOWN FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* ROBINSON 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....DARLINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970
DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970
DATE COMMERCIAL OPERATE...MARCH 7, 1971
CONDENSER COOLING METHOD...RECIRCULATION
CONDENSER COOLING WATER...ROBINSON IMPOUNDMENT
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....S. WEISE
LICENSING PROJ MANAGER.....G. REQUA
DOCKET NUMBER.....50-261
LICENSE & DATE ISSUANCE...DPR-23, SEPTEMBER 23, 1970
PUBLIC DOCUMENT ROOM.....HARTSVILLE MEMORIAL LIBRARY
220 N. FIFTH ST.
HARTSVILLE, SOUTH CAROLINA 29550

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 11 - MARCH 10 (84-03): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 135 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, ENFORCEMENT ACTION FOLLOWUP, GENERIC LETTER 83-28 FOLLOWUP, DEFUELING ACTIVITIES, AND INDEPENDENT INSPECTION. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 13 AREAS; TWO VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO MAINTAIN PROCEDURES, PARAGRAPH 5.B; INADEQUATE SURVEILLANCE TESTING, PARAGRAPH 10).

INSPECTION FEBRUARY 19-24 (84-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 51 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREPARATION FOR REFUELING (UNIT 2); REFUELING ACTIVITIES (UNIT 2); AND SPENT FUEL POOL ACTIVITIES (UNIT 2). OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 21-22 (84-05): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF CONTROL OF PERSONNEL EXPOSURE, CONTROL OF WORK IN THE CONTAINMENT, IE INFORMATION NOTICE NO. 82-51, AND QUALIFICATION OF CONTRACT HP TECHNICIANS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (PARAGRAPH 5).

INSPECTION MARCH 6-9 (84-06): THIS INSPECTION INVOLVED 28 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD; 12 HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED REVIEW OF SECURITY ORGANIZATION-PERSONNEL AND RESPONSE; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL AND

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* ROBINSON 2 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-033/ 03-L	12/24/83	01/23/84	INSTRUMENT LINES TO THE TURBINE FIRST STAGE PRESSURE TRANSMITTER, THE STEAM PRESSURE TRANSMITTER, AND THE STEAM DRIVEN AFW PUMP DISCHARGE PRESSURE SWITCH FROZE.
84-001/ --	01/26/84	02/24/84	1 OF THE 2 SOURCE RANGE DETECTORS FAILED HIGH CAUSING A SHUTDOWN BANK TRIP. THE CAUSE OF FAILURE WAS NORMAL END OF LIFE OF THE DETECTOR.

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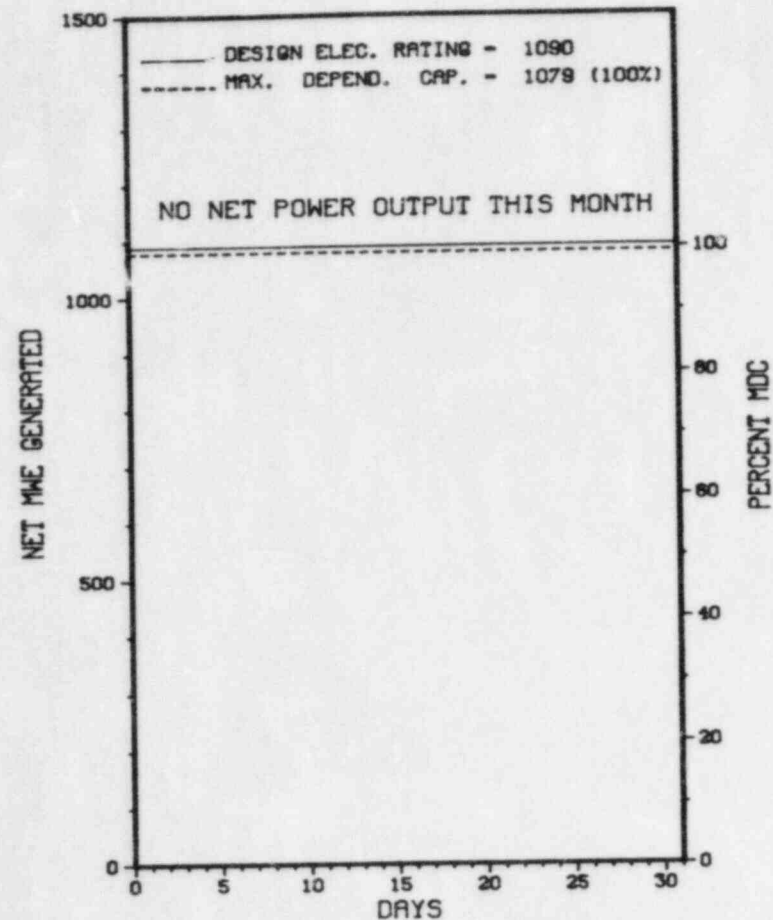
1. Docket: 50-272 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. K. MILLER (609) 935-6000 X4455
4. Licensed Thermal Power (MWt): 3338
5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170
6. Design Electrical Rating (Net MWe): 1090
7. Maximum Dependable Capacity (Gross MWe): 1124
8. Maximum Dependable Capacity (Net MWe): 1079
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>59,209.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,237.6</u>	<u>34,388.8</u>
14. Rx Reserve Shutdown Hrs	<u>.0</u>	<u>54.5</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,197.8</u>	<u>32,975.5</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,800,023</u>	<u>99,621,600</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,281,380</u>	<u>32,894,278</u>
19. Net Elec Ener (MWH)	<u>-6,306</u>	<u>1,217,458</u>	<u>31,188,770</u>
20. Unit Service Factor	<u>.0</u>	<u>54.8</u>	<u>55.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>54.8</u>	<u>55.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>51.7</u>	<u>48.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.1</u>	<u>48.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>45.2</u>	<u>31.2</u>
25. Forced Outage Hours	<u>744.0</u>	<u>986.2</u>	<u>15,209.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>09/01/84</u>			

 * SALEM 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-172	02/24/84	F	744.0	A	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

 SALEM 1 REMAINED SHUT DOWN IN MARCH FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training & License Examination		

* SALEM 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
HEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE....JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101
CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

IMAGE EVALUATION
TEST TARGET (MT-3)

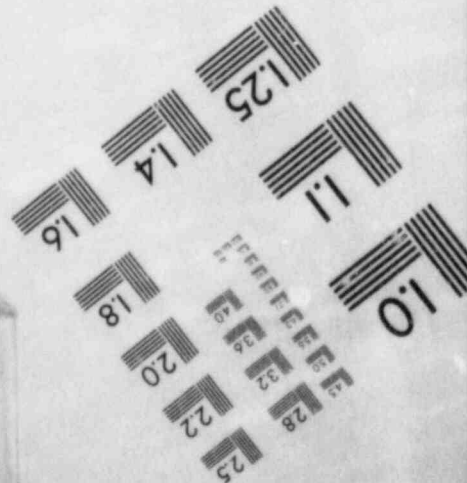
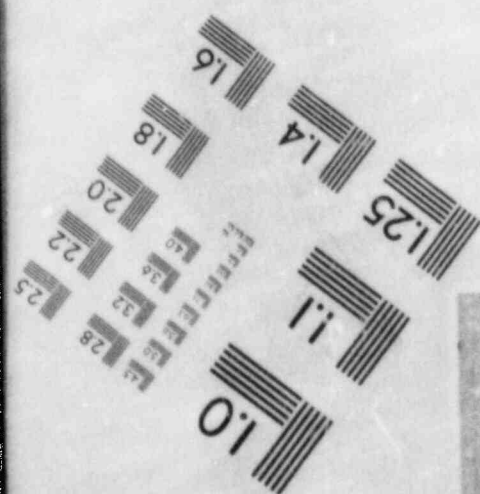
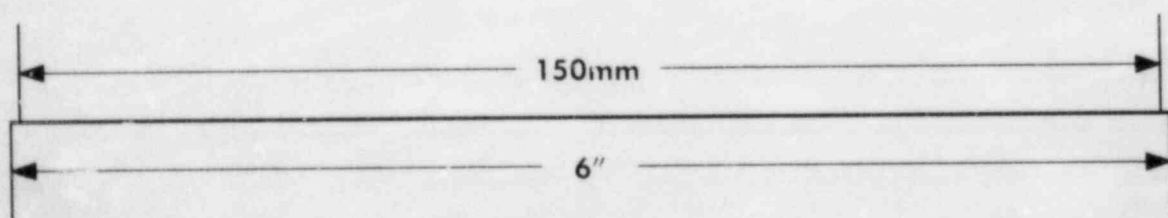
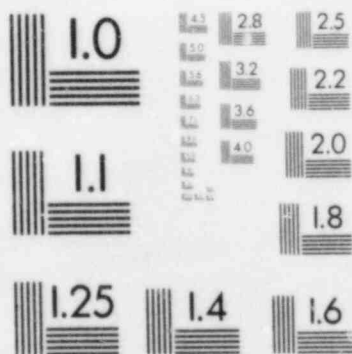
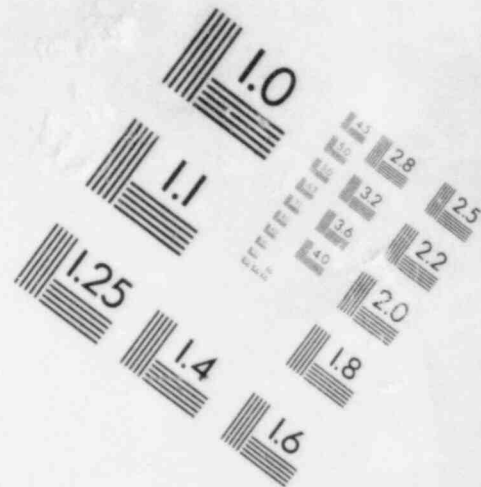
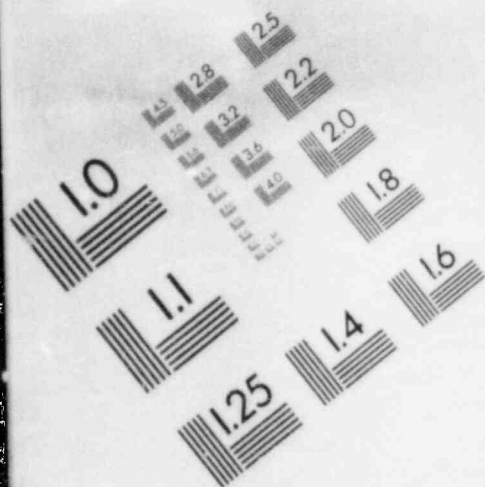
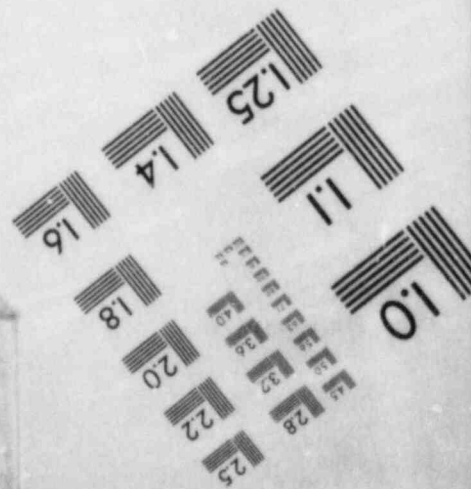
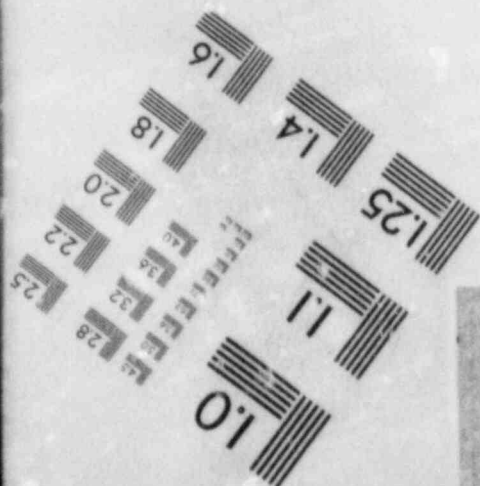
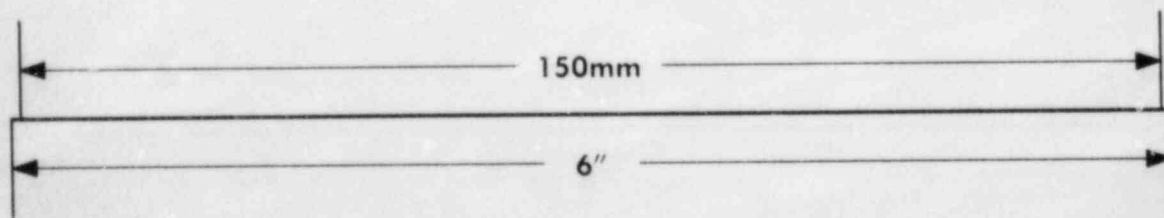
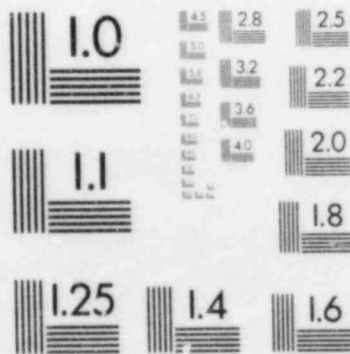
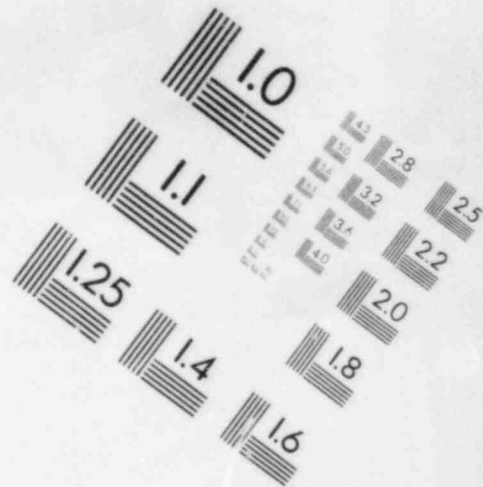
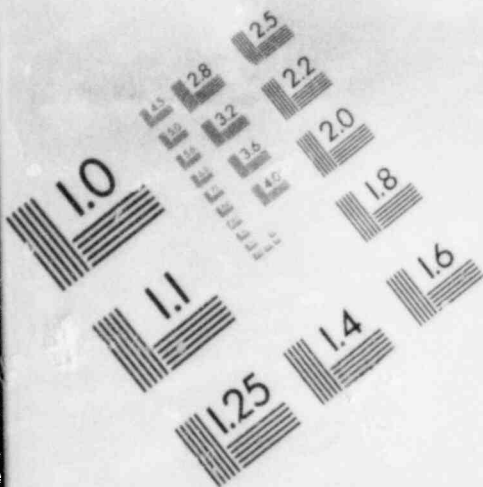


IMAGE EVALUATION
TEST TARGET (MT-3)



Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-010	11/17/83	F	95.0	A	4		HA	GENERA	STATOR CORE IRON GENERATOR.

* SUMMARY *

SALEM 2 EXPERIENCED 1 SHUTDOWN IN MARCH FOR GENERATOR PROBLEMS.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SALEM 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 8, 1980
DATE ELEC ENER 1ST GENER...JUNE 3, 1981
DATE COMMERCIAL OPERATE...OCTOBER 13, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101
CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-311
LICENSE & DATE ISSUANCE...DPR-75, MAY 20, 1981
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C. A. MORRIS (714) 492-7700 X56264

4. Licensed Thermal Power (MWt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>147,224.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>88,440.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>84,821.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>108,263,946</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>36,906,434</u>
19. Net Elec Ener (MWH)	<u>-2,325</u>	<u>-7,185</u>	<u>34,934,574</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>55.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>55.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>21.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,178.3</u>

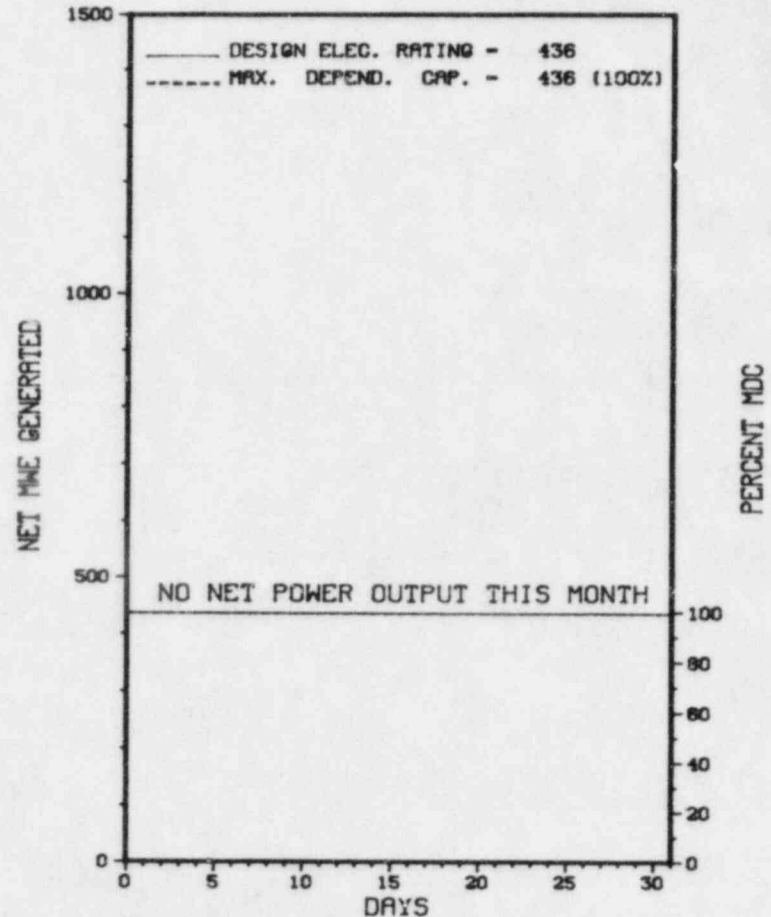
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
THE CURRENT OUTAGE BEGAN FEBRUARY 27, 1982.

27. If Currently Shutdown Estimated Startup Date: 10/01/84

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
78	02/27/82	S	744.0	B	4		ZZ	ZZZZZ	EXTENDED OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

* SUMMARY *

SAN ONOFRE 1 REMAINS SHUTDOWN FOR SEISMIC BACKFIT AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Retueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

1. Docket: 50-361 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C. A. MORRIS (717) 492-7700 X56264

4. Licensed Thermal Power (MWt): 3410

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1070

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1070

9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
 NONE

	MONTH	YEAR-	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>5,689.0</u>
13. Hours Reactor Critical	<u>641.1</u>	<u>1,303.4</u>	<u>3,916.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>618.8</u>	<u>1,229.2</u>	<u>3,790.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,991,958</u>	<u>3,902,624</u>	<u>12,396,159</u>
18. Gross Elec Ener (MWH)	<u>683,114</u>	<u>1,334,582</u>	<u>4,246,546</u>
19. Net Elec Ener (MWH)	<u>646,281</u>	<u>1,251,713</u>	<u>4,027,357</u>
20. Unit Service Factor	<u>83.2</u>	<u>56.3</u>	<u>66.6</u>
21. Unit Avail Factor	<u>83.2</u>	<u>56.3</u>	<u>66.6</u>
22. Unit Cap Factor (MDC Net)	<u>81.2</u>	<u>53.3</u>	<u>66.2</u>
23. Unit Cap Factor (DER Net)	<u>81.2</u>	<u>53.3</u>	<u>66.2</u>
24. Unit Forced Outage Rate	<u>16.8</u>	<u>11.3</u>	<u>6.4</u>
25. Forced Outage Hours	<u>125.2</u>	<u>156.8</u>	<u>257.7</u>

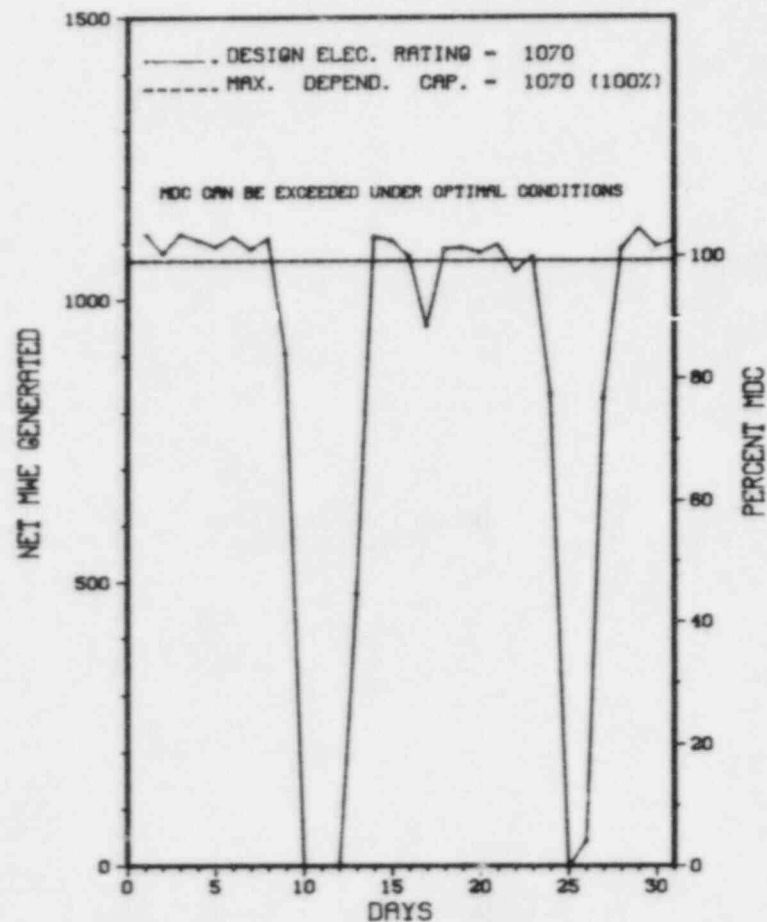
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
 NONE

27. If Currently Shutdown Estimated Startup Date: N/A

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
3	03/09/84	F	82.8	H	1	84-016		INADVERTENT SIAS, CCAS AND CSAS ACTUATION DUE TO ERROR WHILE PERFORMING SURVEILLANCE TESTING. REACTOR WAS MANUALLY TRIPPED. PROCEDURAL CHANGES WERE MADE IN RESTORATION STEPS OF SURVEILLANCE PROCEDURE.
4	03/24/84	F	42.4	A	3	84-019		REACTOR AND TURBINE TRIP DUE TO LOW DNBR ON ALL 4 CPCs. CEAC #1 TRANSMITTED INCORRECT ROD POSITION TO THE CPCs.

 * SUMMARY *

 SAN ONOFRE 2 EXPERIENCED 2 SHUTDOWNS IN MARCH AS DISCUSSED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SAN ONOFRE 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 26, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. CHAFFEE
LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-361
LICENSE & DATE ISSUANCE...., SEPTEMBER 7, 1982
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I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 22 - SEPTEMBER 16, 1983 (REPORT NO. 50-361/83-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
+ INSPECTION ON DECEMBER 12 - 16, 1983 (REPORT NO. 50-361/83-41) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF QUALITY ASSURANCE PROGRAMS. THE INSPECTION INVOLVED 96 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
+ INSPECTION ON JANUARY 22 - FEBRUARY 9, 1984 (REPORT NO. 50-361/84-06) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF THE OPERATION PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, LICENSEE EVENT FOLLOWUP, AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 102 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
+ INSPECTION ON FEBRUARY 27 - MARCH 1, 1984 (REPORT NO. 50-361/84-07) AREAS INSPECTED: ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE AND ASSOCIATED CRITIQUE. THE INSPECTION INVOLVED 140 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONTRACTOR TEAM MEMBERS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period MAR 1984

REPORTS FROM LICENSEE

* SAN ONOFRE 2 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-91 01L-1	10-28-83	01-31-84	UV ARMATURES FOR RTB 4&8 WERE NOT FULLY PICKING-UP
83-92 01L-0	12-18-83	01-13-84	CONTAINMENT AIRBORNE RAD MONITOR 2RT-7804 WAS RENDERED INOPERABLE W/ASSOC SUMP PUMP MTR BRKR TRIPPED
83-117 01L-0	12-05-83	01-06-84	DG BLDG PRE-ACTION FLAME DETECTOR ALARMED AND COULD NO BE RESET

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1. Docket: 50-362 OPERATING STATUS
 2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
 3. Utility Contact: C.A. MORRIS (714) 492-7700 EXT 56264
 4. Licensed Thermal Power (MWt): 3390
 5. Nameplate Rating (Gross MWe): 1127
 6. Design Electrical Rating (Net MWe): 1070
 7. Maximum Dependable Capacity (Gross MWe): 1127
 8. Maximum Dependable Capacity (Net MWe): 1070
 9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): _____
 11. Reasons for Restrictions, if Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>4,518.0</u>
13. Hours Reactor Critical	<u>532.7</u>	<u>675.5</u>	<u>2,456.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>481.5</u>	<u>604.5</u>	<u>2,248.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,415,800</u>	<u>1,831,541</u>	<u>5,380,570</u>
18. Gross Elec Ener (MWH)	<u>461,630</u>	<u>601,856</u>	<u>1,700,153</u>
19. Net Elec Ener (MWH)	<u>427,860</u>	<u>549,306</u>	<u>1,546,373</u>
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	<u>50.6</u>	<u>50.6</u>	<u>606.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

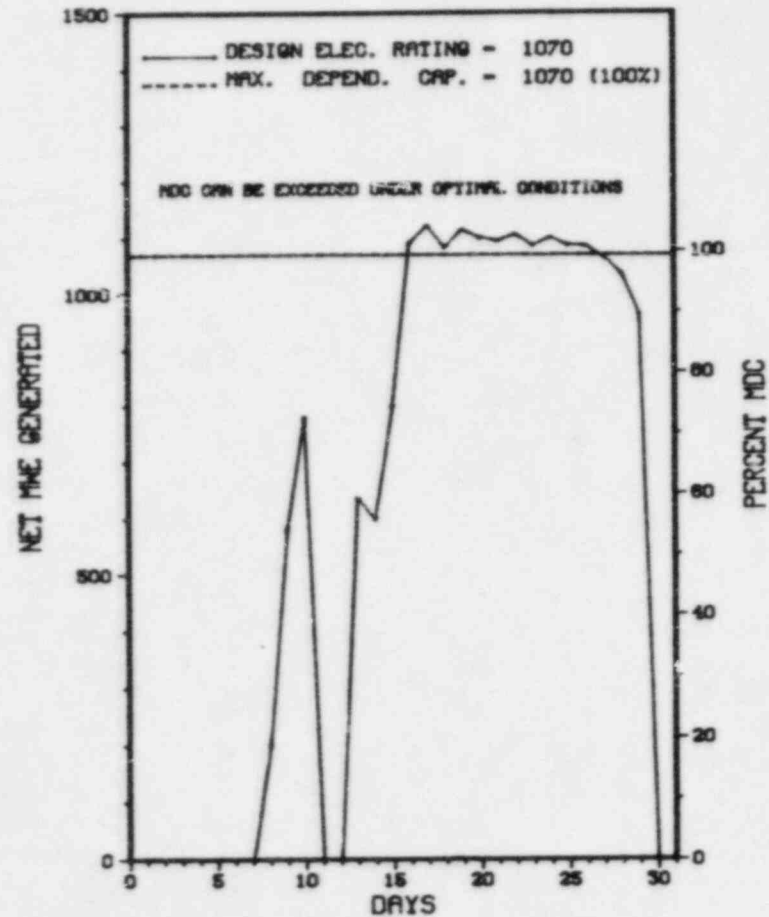
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

 * SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/06/84	S	166.8	B	4				CONTINUATION OF SURVEILLANCE OUTAGE.
2	03/10/84	F	50.6	H	3	84-008			REACTOR TRIP DUE TO LOSS OF LOAD TURBINE TRIP CAUSED BY LOW CONDENSER VACUUM.
3	03/30/84	S	45.1	B	1				SCHEDULED MAINTENANCE OUTAGE.

 * SUMMARY *

 SAN ONOFRE 3 EXPERIENCED 3 SHUTDOWNS IN MARCH AS DESCRIBED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SAN ONOFRE 3 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 29, 1983
DATE ELEC ENER 1ST GENER...SEPTEMBER 25, 1983
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. CHAFFEE
LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-362
LICENSE & DATE ISSUANCE...., NOVEMBER 15, 1982
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SAN CLEMENTE, CALIFORNIA

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

- + INSPECTION ON AUGUST 22 - SEPTEMBER 16, 1983 (REPORT NO. 50-362/83-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON DECEMBER 12 - 16, 1983 (REPORT NO. 50-362/83-40) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF QUALITY ASSURANCE PROGRAMS. THE INSPECTION INVOLVED 96 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON JANUARY 22 - FEBRUARY 9, 1984 (REPORT NO. 50-362/84-06) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF THE OPERATION PROGRAM AND THE STARTUP TEST PROGRAMS INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, LICENSEE EVENT FOLLOWUP, AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 80 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.
RESULT: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON MARCH 26 - 30, 1984 (REPORT NO. 50-362/84-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MARCH 5 - 9, 1984 (REPORT NO. 50-362/84-08) AREAS INSPECTED: ANNOUNCED INSPECTION OF RADIATION PROTECTION PROGRAM INCLUDING A REQUEST FOR INSPECTION BY WORKER. THE INSPECTION INCLUDED TOURS OF UNITS 1, 2 AND 3. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 17 - 29, 1984 (REPORT NO. 50-362/84-09) AREAS INSPECTED: SPECIAL, UNANNOUNCED INSPECTION OF AN OPERATIONAL EVENT INVOLVING THE INOPERABILITY OF BOTH TRAINS OF CONTAINMENT SPRAY AND ONE DIESEL GENERATOR. THE INSPECTION INVOLVED 192 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS.

RESULTS: ENFORCEMENT ACTION TAKEN AS A RESULT OF THIS INSPECTION IS TO BE THE SUBJECT OF SEPARATE CORRESPONDENCE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ABNORMALLY HIGH RADIATION LEVELS OBSERVED IN REACTOR COOLANT SYSTEM.

FACILITY ITEMS (PLANS AND PROCEDURES):

SEVEN WEEK OUTAGE FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS AND SURVEILLANCE TESTING.

MANAGERIAL ITEMS:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED NOVEMBER 15, 1982. THE FULL POWER LICENSE WAS ISSUED SEPTEMBER 16, 1983.

PLANT STATUS:

INITIAL CRITICALITY WAS AUGUST 29, 1983. POWER ASCENSION TESTING WAS COMPLETED ON JANUARY 6, 1984. THE UNIT WILL NOW BE SHUT DOWN FOR ABOUT SEVEN WEEKS FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS AND SURVEILLANCE TESTING.

ABNORMALLY HIGH LEVELS OF RADIOACTIVITY HAVE BEEN OBSERVED, AND THE CAUSE AND NECESSARY CORRECTIVE ACTIONS ARE BEING EVALUATED.

LAST IE SITE INSPECTION DATE: 03/26-30/84+

INSPECTION REPORT NO: 50-362/84-07+

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* SAN ONOFRE 3 *

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NUMBER    DATE OF    DATE OF    SUBJECT
EVENT     REPORT
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83-91     10-28-83  01-31-84  UV ARMATURES FOR R1B 4&8 WERE NOT FULLY PICKING-UP
01L-1

83-102    11-16-83  12-15-83  FAILURE OF CHANNEL "A" OF POST-LOCA HYDROGEN MONITOR
01L-0

83-109    11-11-83  12-12-83  FAILURE OF QSPD CHANNEL "A" DUE TO A FAILURE IN POWER SUPPLY
01L-0

83-110    12-02-83  01-03-84  MISALIGNMENT OF CONTROL ELEMENT ASSEMBLIES
01L-0

83-111    12-22-83  01-23-84  RCS SPECIFIC ACTIVITY EXCEEDED 1.0 MICROCURIE/GRAM DE I-131
01L-0

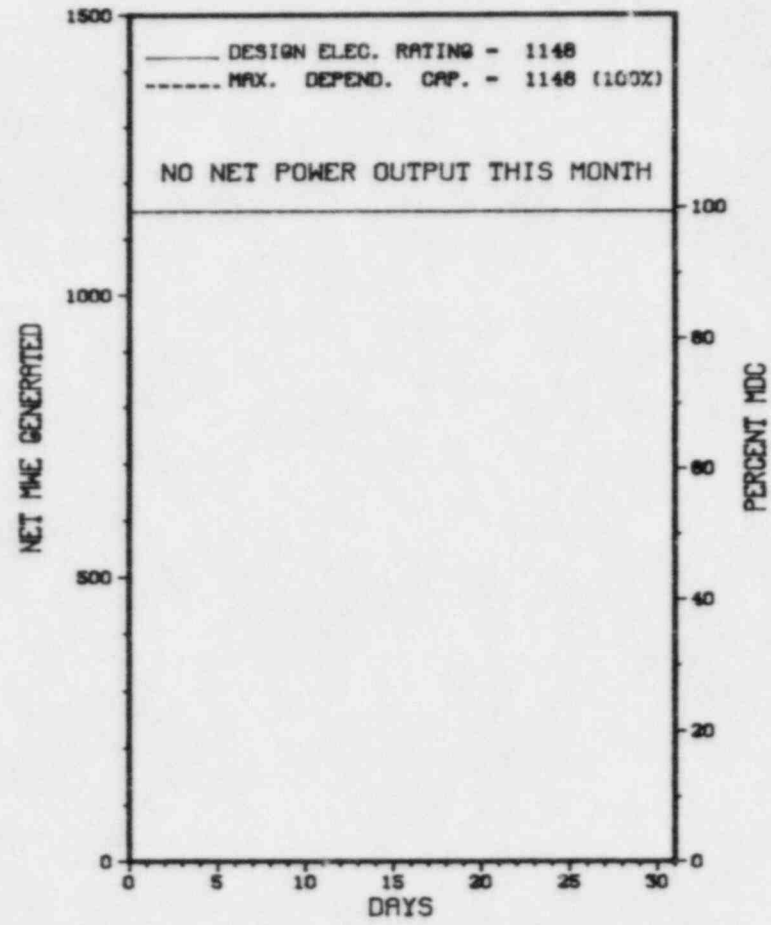
84-00     01-01-84  01-31-84  UNPLANNED RELEASE OF AIRBORNE ACTIVITY
01L-1
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 * SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



MARCH 1984

1. Docket: 50-327 OPERATING STATUS
2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: MIKE EDDINGS (615) 870-6248
4. Licensed Thermal Power (MWe): 3411
5. Nameplate Rating (Gross MWe): 1220
6. Design Electrical Rating (Net MWe): 1148
7. Maximum Dependable Capacity (Gross MWe): 1183
8. Maximum Dependable Capacity (Net MWe): 1148
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE
- | | MONTH | YEAR | CUMULATIVE |
|-------------------------------|--------------|------------------|-------------------|
| 12. Report Period Hrs | <u>744.0</u> | <u>2,184.0</u> | <u>24,121.0</u> |
| 13. Hours Reactor Critical | <u>.0</u> | <u>1,014.9</u> | <u>15,456.3</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 15. Hrs Generator On-Line | <u>.0</u> | <u>961.3</u> | <u>15,074.4</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 17. Gross Therm Ener (MWH) | <u>.0</u> | <u>2,870,308</u> | <u>48,362,108</u> |
| 18. Gross Elec Ener (MWH) | <u>.0</u> | <u>956,150</u> | <u>16,337,286</u> |
| 19. Net Elec Ener (MWH) | <u>.0</u> | <u>915,067</u> | <u>15,691,995</u> |
| 20. Unit Service Factor | <u>.0</u> | <u>44.0</u> | <u>62.5</u> |
| 21. Unit Avail Factor | <u>.0</u> | <u>44.0</u> | <u>62.5</u> |
| 22. Unit Cap Factor (MDC Net) | <u>.0</u> | <u>36.5</u> | <u>56.7</u> |
| 23. Unit Cap Factor (DER Net) | <u>.0</u> | <u>36.5</u> | <u>56.7</u> |
| 24. Unit Forced Outage Rate | <u>.0</u> | <u>21.4</u> | <u>19.5</u> |
| 25. Forced Outage Hours | <u>.0</u> | <u>262.2</u> | <u>3,642.9</u> |
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 04/13/84

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	02/20/84	S	744.0	C	4				REFUELING OUTAGE CORE #2 CONTINUES.

* SUMMARY *

SEQUOYAH 1 REMAINS SHUTDOWN FOR REFUELING.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

Report Period MAR 1984

REPORTS FROM LICENSEE

 * SEQUOYAH 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-178/ 03-L	12/06/83	01/04/84	THE 'G' WASTE GAS DECAY TANK WAS FOUND WITH AN OXYGEN CONCENTRATION OF 2.2% EXCEEDING THE 2% LIMIT. NITROGEN WAS ADDED TO THE TANK IN ORDER TO REDUCE THE OXYGEN CONCENTRATION.
83-180/ 03-L	12/06/83	01/04/84	THE THERMAL OVERLOAD DEVICES ON SEVERAL MOTOR-OPERATED VALVES FAILED TO TRIP CHECK TEST. THE THERMAL OVERLOAD RELAY HEATERS WHICH FAILED THE TEST WERE DETERMINED TO BE IMPROPER.
83-182/ 03-L	12/06/83	01/04/84	ESSENTIAL RAW COOLING WATER PUMP JA TIME RELAY ST-1A FAILED. THE RELAY WAS IMMEDIATELY ADJUSTED AND RETURNED TO SERVICE.
83-183/ 03-L	12/02/83	12/30/83	STEAM SUPPLY VALVE FAILED TO MEET SURVEILLANCE REQUIREMENTS. TROUBLESHOOTING THE FAILED VALVE REVEALED THAT THE LIMITORQUE OPERATOR GEARED LIMIV SWITCH FAILED.
83-186/ 03-L	12/09/83	01/06/84	DIESEL GENERATOR 1A-A TRIPPED ON HIGH CRANKCASE PRESSURE. INVESTIGATION REVEALED A BROKEN PISTON, TWO CRACKED LINERS, AND PLANETARY GEAR TRAIN DAMAGE (I.E. THE TURBOCHARGER).
83-187/ 03-L	12/31/83	01/27/84	RADIATION MONITORS, THE ESSENTIAL RAW COOLING WATER LIQUID MONITORS FOR HEADER A, WERE DECLARED INOPERABLE. THE SAMPLE PUMP MOTOR FAILED ON THE EFFLUENT MONITORS WHILE IN SERVICE.
84-001/ ---	01/02/84	01/31/84	A HIGH RADIATION ALARM WAS ACTUATED WHICH CAUSED A CONTAINMENT VENT ISOLATION.
84-002/ ---	01/12/84	02/08/84	HIGH RAD ALARM ACTUATED CAUSING AN AUX BLDG. VENTILATION ISOLATION TO OCCUR, ALARM RESET AND MONITOR RETURNED TO SERVICE.
84-003/ ---	01/20/84	02/17/84	A HIGH RADIATION ALARM WAS ACTUATED WHICH CAUSED A CONTAINMENT VENTILATION ISOLATION TO OCCUR.
84-004/ ---	01/14/84	02/10/84	HIGH RAD ALARM ACTUATED CAUSING A CONTROL ROOM ISOLATION TO OCCUR, ALARM RESET AND MONITOR RETURNED TO SERVICE.
84-005/ ---	01/09/84	02/06/84	BORON SAMPLES INDICATED THE BORON CONCENTRATION OF ACCUMULATOR WAS APPROXIMATELY 2130/2150 PPM.
84-006/ ---	01/10/84	02/08/84	UNIT 1 EXPERIENCED A TURBINE AND REACTOR TRIP, CAUSED BY HIGH-HIGH LEVEL IN #4 STEAM GENERATOR.
84-007/ ---	01/10/84	02/08/84	UNIT 1 EXPERIENCED A TURBINE AND REACTOR TRIP, CAUSED BY HIGH-HIGH LEVEL IN #3 STEAM GENERATOR.
84-008/ ---	01/24/84	02/22/84	A HIGH RADIATION ALARM WAS ACTUATED WHICH CAUSED AN AUXILIARY BUILDING ISOLATION (ABI) TO OCCUR. TWO SEPARATE CAUSES: THE RELIEVING OF PRESSURE AND THE OVERFLOWING OF THE CONDENSATE.
84-009/ ---	01/28/84	02/27/84	HIGH RAD ALARM ACTUATED CAUSING A CONTAINMENT VENTILATION ISOLATION TO OCCUR, ROOT VALVE ON PRESSURIZER WAS LEAKING THRU THE PACKING.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
M SEQUOYAH 1
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Report Period MAR 1984 R E P O R T S F R O M L I C E N S E E - (CONTINUED)

84-010/	01/28/84	02/27/84	HIGH RAD ALARM ACTUATED CAUSING AN AUX BLDG. ISOLATION TO OCCUR. ALARM RESET AND MONITOR RETURNED TO SERVICE.
84-011/	01/25/84	02/24/84	DURING A SEISMIC EVENT, VARIOUS PIPING WHICH PENETRATE THE CONTROL ROOM HABITABILITY PRESSURIZATION BOUNDARY COULD FAIL.
84-012/	02/01/84	03/01/84	HIGH RAD ALARM ACTUATED CAUSING CONTAINMENT VENTILATION ISOLATION TO OCCUR, ALARM RESET AND MONITOR RETURNED TO SERVICE.
84-013/	01/30/84	02/28/84	UNIT 1 EXPERIENCED A TURBINE TRIP FOLLOWED BY A REACTOR TRIP, CAUSED BY A HIGH-HIGH LEVEL IN #4 STEAM GENERATOR.
84-014/	02/14/84	03/09/84	A HIGH RADIATION ALARM WAS ACTUATED WHICH CAUSED A CONTAINMENT VENTILATION ISOLATION TO OCCUR. THE INADVERTENT HIGH RADIATION ALARM WAS RESET AND THE MONITOR WAS RETURNED TO SERVICE.
84-015/	02/28/84	03/16/84	A HIGH RADIATION ALARM WAS ACTUATED WHICH CAUSED AN AUXILIARY BUILDING ISOLATION (ABI) TO OCCUR. THE INDEPENDENT HIGH RADIATION ALARM WAS RESET AND THE MONITOR WAS RETURNED TO SERVICE.
84-016/	02/25/84	03/16/84	A HIGH RADIATION ALARM WAS ACTUATED WHICH CAUSED AN AUXILIARY BUILDING ISOLATION (ABI) TO OCCUR.
84-018/	02/21/84	03/28/84	FIRE PROTECTION DELUGE VALVE FOUND ISOLATED, DUE TO PERSONNEL ERROR.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. Docket: 58-328 OPERATING STATUS

2. Reporting Period: 8/1/84 Outage + On-line Hrs: 744.8

3. Utility Contact: DAVID DUPREE (615) 878-6543

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.8</u>	<u>2,184.8</u>	<u>16,881.8</u>
13. Hours Reactor Critical	<u>744.8</u>	<u>2,123.8</u>	<u>12,484.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.8</u>	<u>.8</u>	<u>.8</u>
15. Hrs Generator On-Line	<u>744.8</u>	<u>2,119.6</u>	<u>12,274.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.8</u>	<u>.8</u>	<u>.8</u>
17. Gross Therm Ener (MWH)	<u>2,535,289</u>	<u>7,148,346</u>	<u>39,566,413</u>
18. Gross Elec Ener (MWH)	<u>879,728</u>	<u>2,477,478</u>	<u>13,589,418</u>
19. Net Elec Ener (MWH)	<u>851,114</u>	<u>2,392,213</u>	<u>13,089,951</u>
20. Unit Service Factor	<u>100.8</u>	<u>97.1</u>	<u>76.3</u>
21. Unit Avail Factor	<u>100.8</u>	<u>97.1</u>	<u>76.3</u>
22. Unit Cap Factor (MDC Net)	<u>99.6</u>	<u>95.4</u>	<u>78.5</u>
23. Unit Cap Factor (DER Net)	<u>99.6</u>	<u>95.4</u>	<u>78.5</u>
24. Unit Forced Outage Rate	<u>.8</u>	<u>2.9</u>	<u>8.7</u>
25. Forced Outage Hours	<u>.8</u>	<u>65.4</u>	<u>1,166.2</u>

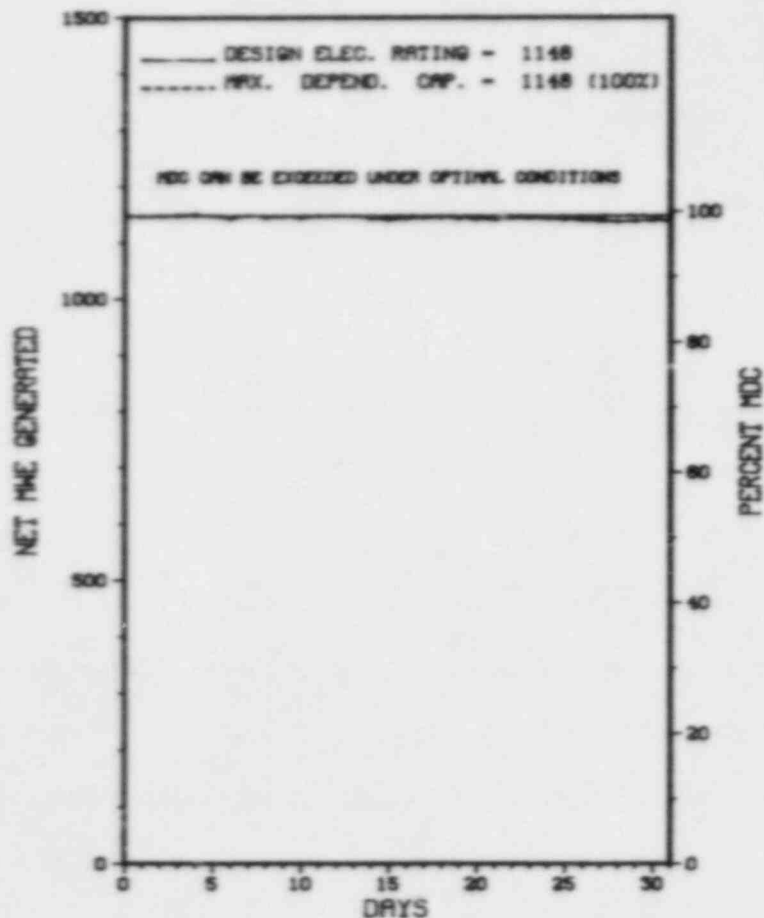
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MODIFICATION SEPT., 1984 APPROX 55 DAYS.

27. If Currently Shutdown Estimated Startup Date: N/A

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 2 *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NONE

* SUMMARY *

SEQUOYAH 2 OPERATED ROUTINELY IN MARCH WITH NO SHUTDOWNS OR
POWER REDUCTIONS REPORTED.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

 * SEQUOYAH 2 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
 STATE.....TENNESSEE
 COUNTY.....HAMILTON
 DIST AND DIRECTION FROM
 NEAREST POPULATION CTR...9.5 MI NE OF
 CHATTANOOGA, TN
 TYPE OF REACTOR.....PWR
 DATE INITIAL CRITICALITY...NOVEMBER 5, 1981
 DATE ELEC ENER 1ST GENER...DECEMBER 23, 1981
 DATE COMMERCIAL OPERATE...JUNE 1, 1982
 CONDENSER COOLING METHOD...ONCE THRU
 CONDENSER COOLING WATER...CHICKAMAUGA LAKE
 ELECTRIC RELIABILITY
 COUNCIL.....SOUTHEASTERN ELECTRIC
 RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
 LICENSEE.....TENNESSEE VALLEY AUTHORITY
 CORPORATE ADDRESS.....831 POWER BUILDING
 CHATTANOOGA, TENNESSEE 37401
 CONTRACTOR
 ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
 NUC STEAM SYS SUPPLIER...WESTINGHOUSE
 CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
 TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
 IE RESIDENT INSPECTOR.....E. FORD
 LICENSING PROJ MANAGER.....C. STAHL
 DOCKET NUMBER.....50-328
 LICENSE & DATE ISSUANCE...DPR-79, SEPTEMBER 15, 1981
 PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
 1001 BROAD STREET
 CHATTANOOGA, TENNESSEE 37402

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 7-10 (84-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY DETECTION AND CLASSIFICATION, PROTECTIVE ACTION DECISION MAKING, CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM, SHIFT STAFFING AND AUGMENTATION, AND EMERGENCY RESPONSE TRAINING. OF THE FIVE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE AREA OF CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; NO DEVIATIONS WERE IDENTIFIED. THIS VIOLATION IS DISCUSSED IN PARAGRAPH 7.

INSPECTION JANUARY 30 - FEBRUARY 3 (84-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEALTH PHYSICS STAFFING; EXTERNAL AND INTERNAL EXPOSURES; CONTROL OF RADIOACTIVE MATERIALS, CONTAMINATION CONTROL, AND RADIATION SURVEYS; RADIATION PROTECTION FACILITIES AND EQUIPMENT; REVIEWED PROCEDURE FOR MULTIBADGING PERSONNEL; REVIEWED WORK ON UNIT 2 CVCS MIXED BED DEMINERALIZER; REVIEWED WORK ON FUEL UP-ENDER IN THE FUEL TRANSFER CANAL; REVIEWED CONTAINMENT AND AUXILIARY BUILDING ISOLATIONS; OBSERVATIONS DURING PLANT TOURS; AND REVIEW OF ITEMS FROM LAST INSPECTION (REPORT 83-28). OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA. VIO-84-04-01, PARAGRAPH 10 OF THE REPORT DETAILS.

INSPECTION FEBRUARY 6 - MARCH 5 (84-06): THIS ROUTINE INSPECTION INVOLVED 74 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM OPERABILITY, SURVEILLANCE, MAINTENANCE AND MODIFICATIONS, LICENSEE EVENT REPORT REVIEW, COLD WEATHER PREPARATIONS, AND INDEPENDENT INSPECTION EFFORT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE SEVEN AREAS INSPECTED.

INSPECTION FEBRUARY 27 - MARCH 2 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE AREAS

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* SEQUOYAH 2 *

INSPECTION SUMMARY

OF ELECTRICAL MAINTENANCE WORK, WORK ACTIVITIES AND RECORDS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100%

LAST IE SITE INSPECTION DATE: FEBRUARY 6 - MARCH 5, 1984 +

INSPECTION REPORT NO: 50-328/84-06 +

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* SEQUOYAH 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-171/ 03-L	12/06/83	01/06/84	D/G 1A-A WAS DECLARED INOPERABLE WHEN THE REMOTE SPEED CONTROL FAILED TO OPERATE PROPERLY. INVESTIGATION REVEALED A BAD WINDING IN THE POTENTIOMETER DRIVE MOTOR.
83-181/ 01-T	12/23/83	01/05/84	120 VOLT AC VITAL INVERTER 1-I HAD BEEN TAKEN OUT OF SERVICE FOR MT-10.6 AND HAD NOT BEEN RETURNED TO SERVICE WITHIN 24 HOURS. MAINTENANCE INSTRUCTION 10.6 IS BEING REVISED.
83-184/ 03-L	12/12/83	01/10/84	THE LOWER CONTAINMENT PERSONNEL AIRLOCK OUTER DOOR WOULD NOT CLOSE. INVESTIGATION REVEALED THREE CAM FOLLOWER BEARINGS HAD FAILED IN THE MECHANICAL LINKAGE DUE TO NORMAL WEAR.
83-185/ 03-L	12/07/83	01/06/84	GLYCOL CONTAINMENT ISOLATION VALVE WOULD NOT CLEAR ITS OPEN LIMIT SWITCH. AN IMPROPERLY TIGHTENED BOLT ALLOWED THE LIMIT SWITCH TO SLIP OUT OF POSITION.
83-188/ 03-L	12/21/83	01/19/84	D/G 1A-A WAS LOADED TO 4 MWE. WHILE ATTEMPTING TO REDUCE LOAD, THE LOAD DROPPED INSTANTLY TO ZERO.
83-189/ 03-L	12/24/83	01/19/84	FEEDWATER FLOW CHANNEL 2-FT-3-90 WAS DECLARED INOPERABLE DUE TO A FROZEN SENSE LINE. TROUBLESHOOTING BOTH EVENTS FOUND THE SENSE LINES TO BE FROZEN.
83-190/ 03-L	12/11/83	- -	THE REACTOR COOLANT SYSTEM SUBCOOLING MARGIN MONITOR WAS DECLARED INOPERABLE, DUE TO THE LOSS OF THE UNIT P-250 COMPUTER. THE COMPUTER HALTED MOST PROBABLY DUE TO A PROGRAMMATIC ERROR.
83-191/ 03-L	12/27/83	01/25/84	ROD POSITION INDICATOR DECLARED INOPERABLE, DUE TO ERRATIC BEHAVIOR. HIGH RESISTANCE WAS ON THE SECONDARY COIL.
84-001/ --	01/05/84	02/08/84	HIGH RAD ALARM ACTUATED, CAUSING A CONTAINMENT VENTILATION ISOLATION TO OCCUR, DETERMINED TO BE SPURIOUS AND CHANNEL WAS BLOCKED.
84-002/ --	01/27/84	02/24/84	HIGH RADIATION ALARM WAS ACTUATED WHICH CAUSED A CONTAINMENT VENTILATION ISOLATION (CVI) TO OCCUR. INVESTIGATION REVEALED THAT A VOLTAGE SPIKE OCCURRED.

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1. Docket: 50-335 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1000 X 0.89 = 890

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 867

8. Maximum Dependable Capacity (Net MWe): 822

9. If Changes Occur Above Since Last Report, Give Reasons:
6&7 INCREASED 5/25/83 BASED ON WATER TEMPS

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>63,792.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>44,466.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>43,576.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>108,667,938</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>35,373,875</u>
19. Net Elec Ener (MWH)	<u>-3,068</u>	<u>-8,554</u>	<u>33,321,146</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>68.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>63.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>62.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,104.7</u>

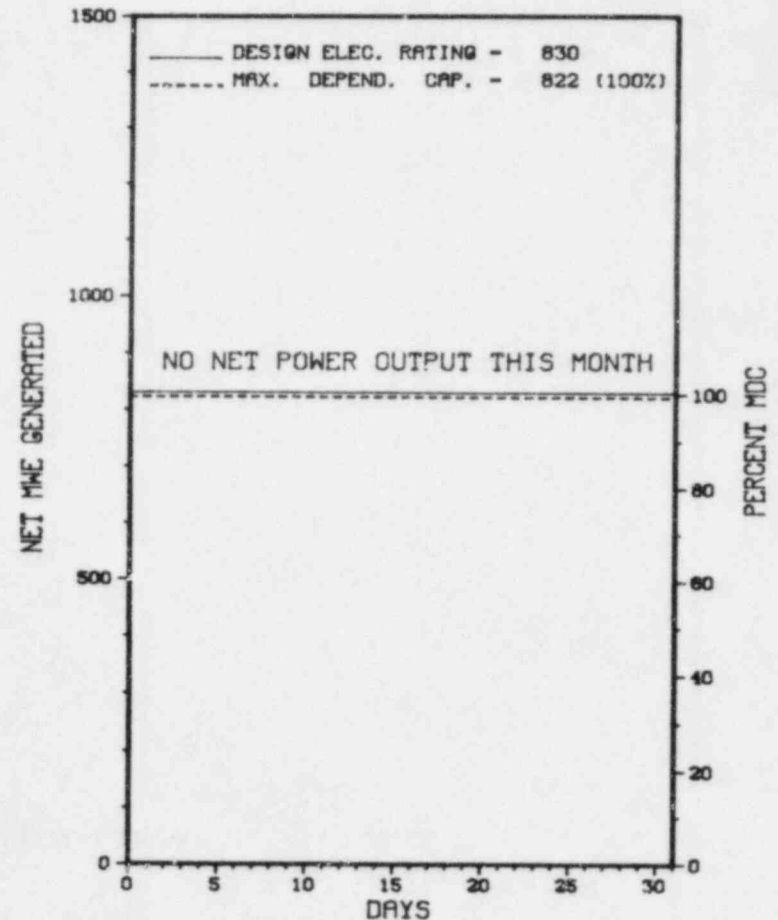
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/10/84

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/26/83	S	744.0	C	4		RC	FUELXX	UNIT #1 REMAINED OUT OF SERVICE FOR REFUELING AND SCHEDULED MAINTENANCE.

* SUMMARY *

A REFUELING AND MAINTENANCE SHUTDOWN CONTINUES AT ST. LUCIE 1.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* ST LUCIE 1 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 22, 1976
DATE ELEC ENER 1ST GENER...MAY 7, 1976
DATE COMMERCIAL OPERATE...DECEMBER 21, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. FEIERABEND
LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-335
LICENSE & DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 11 - FEBRUARY 10 (84-02): THIS ROUTINE, INSPECTION INVOLVED 77 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, PLANT OPERATIONS, TMI ACTION ITEMS FOLLOWUP. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 21-24 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) (UNIT 1), CORE BARREL REPAIR (UNIT 1) AND PREVIOUS INSPECTION FINDINGS (UNITS 1 AND 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 6-9 (84-07): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 144 INSPECTOR-HOURS ON SITE IN THE AREAS OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-389 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2560

5. Nameplate Rating (Gross MWe): 0850

6. Design Electrical Rating (Net MWe): 804

7. Maximum Dependable Capacity (Gross MWe): 832

8. Maximum Dependable Capacity (Net MWe): 786

9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>5,689.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,165.4</u>	<u>5,392.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,029.6</u>	<u>5,160.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,904,246</u>	<u>5,101,877</u>	<u>12,759,821</u>
18. Gross Elec Ener (MWH)	<u>640,050</u>	<u>1,715,580</u>	<u>4,258,800</u>
19. Net Elec Ener (MWH)	<u>606,787</u>	<u>1,620,468</u>	<u>4,018,054</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.9</u>	<u>90.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.9</u>	<u>90.7</u>
22. Unit Cap Factor (MDC Net)	<u>103.8</u>	<u>94.4</u>	<u>89.9</u>
23. Unit Cap Factor (DER Net)	<u>101.4</u>	<u>92.3</u>	<u>87.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.8</u>	<u>8.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>124.3</u>	<u>498.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

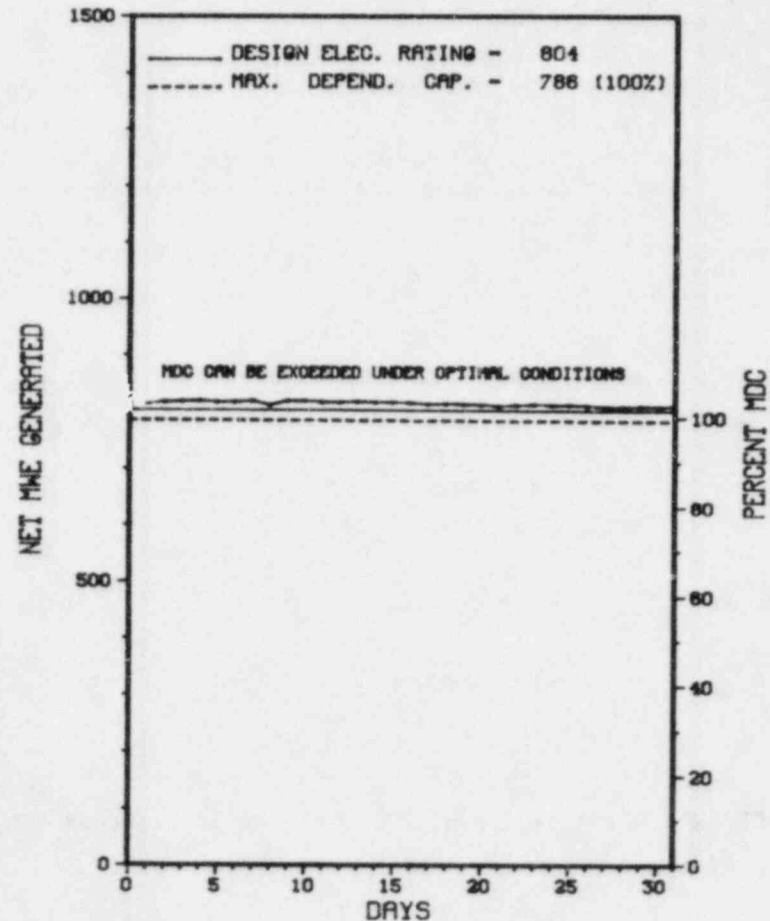
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

 * ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
-----	------	------	-------	--------	--------	------------	--------	-----------	---

NONE

 * SUMMARY *

ST. LUCIE 2 OPERATED AT FULL POWER IN MARCH WITH NO SHUTDOWNS OR REDUCTIONS REPORTED.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* ST LUCIE 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 2, 1983
DATE ELEC ENER 1ST GENER...JUNE 13, 1983
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. FEIERABEND
LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-389
LICENSE & DATE ISSUANCE...., JUNE 10, 1983
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 11 - FEBRUARY 10 (84-03): THIS ROUTINE, INSPECTION INVOLVED 78 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, PLANT OPERATIONS, TMI ACTION ITEMS FOLLOWUP. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 13-14 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF REACTOR COOLANT SYSTEM LEAK RATE MEASUREMENT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 21-24 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) (UNIT 1), CORE BARREL REPAIR (UNIT 1) AND PREVIOUS INSPECTION FINDINGS (UNITS 1 AND 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 6-9 (84-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 144 INSPECTOR-HOURS ON SITE IN THE AREAS OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-395 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: G. A. LOIGNON (803) 345-5209

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 0900

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 885

9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>2,184.0</u>
13. Hours Reactor Critical	<u>533.5</u>	<u>1,910.3</u>	<u>1,910.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>531.5</u>	<u>1,875.7</u>	<u>1,875.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,459,743</u>	<u>5,122,987</u>	<u>5,122,987</u>
18. Gross Elec Ener (MWH)	<u>490,650</u>	<u>1,713,195</u>	<u>1,713,195</u>
19. Net Elec Ener (MWH)	<u>470,812</u>	<u>1,644,612</u>	<u>1,644,612</u>
20. Unit Service Factor	<u>71.4</u>	<u>85.9</u>	<u>85.9</u>
21. Unit Avail Factor	<u>71.4</u>	<u>85.9</u>	<u>85.9</u>
22. Unit Cap Factor (MDC Net)	<u>71.5</u>	<u>84.1</u>	<u>85.1</u>
23. Unit Cap Factor (DER Net)	<u>70.3</u>	<u>83.7</u>	<u>83.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.9</u>	<u>4.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>95.8</u>	<u>95.8</u>

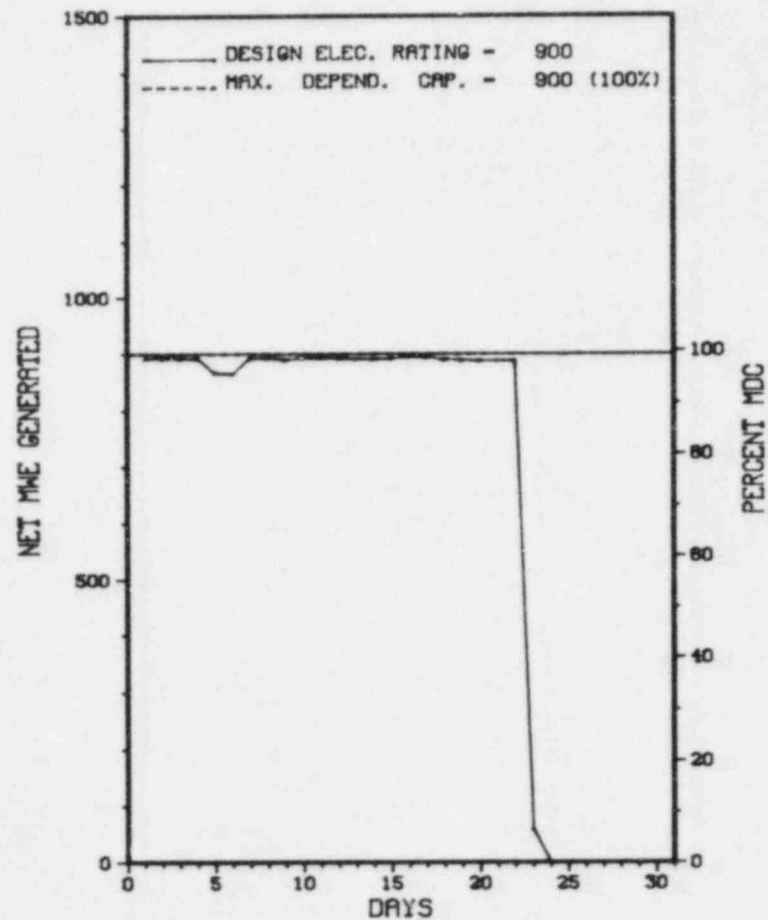
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
SCHEDULED REFUELING - SEPTEMBER 1, 1984

27. If Currently Shutdown Estimated Startup Date: 04/18/84

 * SUMMER 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	03/23/84	S	212.5	B	1				SPRING MAINTENANCE OUTAGE.

* SUMMARY *

SUMMER 1 COMMENCED ITS SPRING MAINTENANCE SHUTDOWN ON MARCH 23.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SUMMER 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....FAIRFIELD
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...26 MI NW OF
COLUMBIA, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 22, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE...JANUARY 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MONTICELLO RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTH CAROLINA ELECTRIC & GAS CO.
CORPORATE ADDRESS.....P.O. BOX 764
COLUMBIA, SOUTH CAROLINA 29202
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. HEHL
LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-395
LICENSE & DATE ISSUANCE...NPF-12, NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....FAIRFIELD COUNTY LIBRARY
GARDEN & WASHINGTON STREETS
WINNSBORO, SOUTH CAROLINA 29180

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 30 - FEBRUARY 29 (84-05): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 128 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOUR, PLANT OPERATIONS REVIEW, TECHNICAL SPECIFICATIONS COMPLIANCE, PHYSICAL PROTECTION, MAINTENANCE AND SURVEILLANCE REVIEW, NON-ROUTINE EVENT REPORTS, PREVIOUSLY IDENTIFIED ITEMS, SPECIAL EMERGENCY FEEDWATER SYSTEM REVIEW. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; TWO APPARENT VIOLATIONS WERE FOUND IN ONE AREA (FAILURE TO ESTABLISH, IMPLEMENT OR MAINTAIN PROCEDURES, PARAGRAPH 9).

INSPECTION MARCH 6 (84-06): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS AT SCE&G HEADQUARTERS IN THE AREAS OF HEATING VENTILATING AND AIR CONDITIONING (HVAC). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E - (CONTINUED)

* SUMMER 1 *

84-002/ --	01/11/84	02/02/84	HOURLY ROVINC FIRE WATCH PATROL FOR AUX. BLDG. NOT PERFORMED DURING PREVIOUS 8 HOURS, DUE TO PERSONNEL ERROR.
84-003/ --	01/12/84	02/08/84	24% OF RMA3/66% RM-A4 QUARTERLY COMPOSITE SAMPLES MISSING A SPECIAL CONTAINER HAS BEEN FABRICATED FOR FILTER STORAGE.
84-004/ --	01/17/84	01/15/84	2 CABLE JUNCTION BOXES WERE NOT WRAPPED WITH KAOWOOL, 1 CABLE RUN HAD KAOWOOL DAMAGED IN 3 DIFFERENT AREAS, DUE TO CONSTRUCTION AND MAINTENANCE ACTIVITY IN THE AREA.
84-005/ --	01/17/84	02/15/84	PLANT TRIPPED FROM 100% PWR BECAUSE OF S/G 'B' LOW LEVEL COINCIDENT WITH FEEDWATER FLOW LOW REACTOR TRIP, DUE TO PERSONNEL ERROR.
84-006/ --	01/31/84	03/01/84	OVERCURRENT PROTECTION DEVICES FOR PLANT PAGING SYSTEM NOT INCLUDED IN TABLE 3.8-1 OF T.S. 3.8.4.
84-007/ --	02/27/84	03/02/84	A POTENTIAL BOMB THREAT WAS RECEIVED. NO BOMB(S) FOUND.
84-008/ --	02/07/84	03/05/84	REACTOR TRIPPED FROM NORMAL OPERATIONS, LOW-LOW LEVEL IN S/G 'B', AN ELECTRONIC CARD FAILED.
84-009/ --	02/08/84	03/05/84	REACTOR TRIPPED FROM 9% POWER ON LO-LO S/G LEVEL.
84-010/ --	02/09/84	03/05/84	THE REACTOR WAS MANUALLY TRIPPED FROM APPROXIMATELY 8% POWER. THE APPROPRIATE OPERATING PROCEDURE WAS REVISED.
84-012/ --	02/14/84	03/12/84	LEAK RATE TEST WAS NOT PERFORMED ON THE REACTOR BUILDING EMERGENCY ESCAPE HATCH WITHIN 72 HOURS FOLLOWING CLOSURE, DUE TO PERSONNEL ERROR.

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1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>98,832.0</u>
13. Hours Reactor Critical	<u>508.0</u>	<u>1,818.7</u>	<u>60,917.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>9.3</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>501.0</u>	<u>1,781.0</u>	<u>59,647.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,187,048</u>	<u>4,213,335</u>	<u>138,613,948</u>
18. Gross Elec Ener (MWH)	<u>387,015</u>	<u>1,359,440</u>	<u>44,679,283</u>
19. Net Elec Ener (MWH)	<u>367,491</u>	<u>1,291,367</u>	<u>42,369,103</u>
20. Unit Service Factor	<u>67.3</u>	<u>81.5</u>	<u>60.4</u>
21. Unit Avail Factor	<u>67.3</u>	<u>81.5</u>	<u>64.1</u>
22. Unit Cap Factor (MDC Net)	<u>63.7</u>	<u>76.3</u>	<u>55.3</u>
23. Unit Cap Factor (DER Net)	<u>62.7</u>	<u>75.0</u>	<u>54.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>21.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>39.8</u>	<u>12,251.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

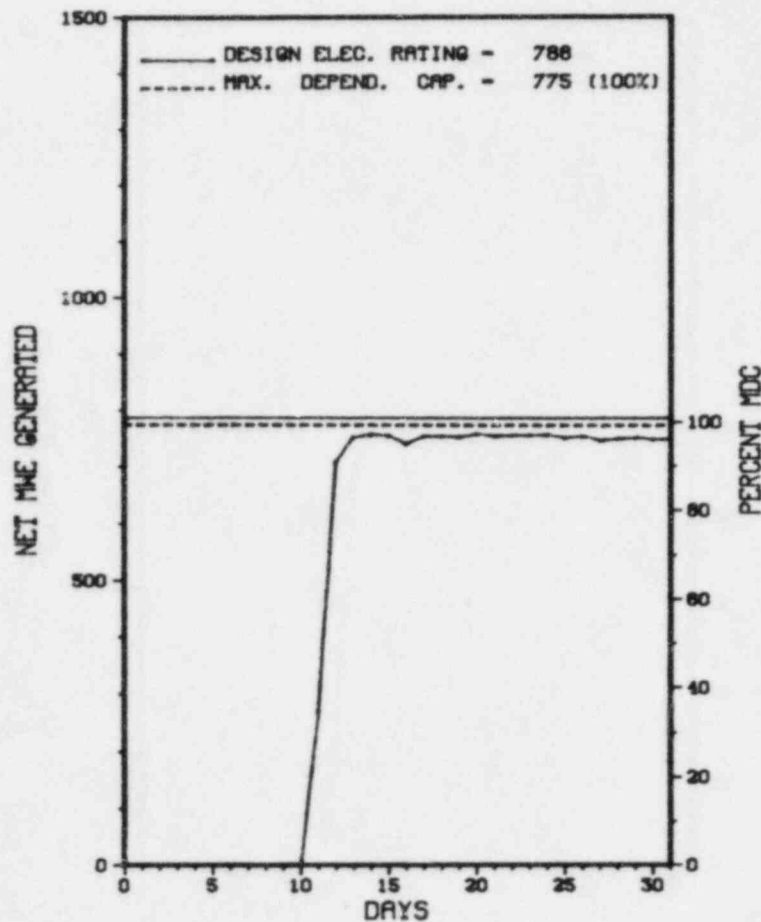
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

 * SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
-----	------	------	-------	--------	--------	------------	--------	-----------	---

84-4	03/11/84	S	243.0	H	1				
------	----------	---	-------	---	---	--	--	--	--

CONTINUATION OF SNUBBER OUTAGE WHICH COMMENCED ON 02-24-84.

* SUMMARY *

SURRY 1 REMAINED SHUTDOWN FOR SNUBBER PROBLEMS UNTIL MARCH 11.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SURRY 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VTRGNTA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 1, 1972
DATE ELEC ENER 1ST GENER...JULY 4, 1972
DATE COMMERCIAL OPERATE...DECEMBER 22, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE

LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-280

LICENSE & DATE ISSUANCE...DFR-32, MAY 25, 1972

PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 10-13 (84-02): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF TMI ACTION ITEMS, INTERNAL EXPOSURE CONTROL, RADIOLOGICAL SURVEYS, POSTING, LABELING AND CONTROL, RADIATION WORK PERMITS, PROCEDURES REVIEW, QUALIFICATIONS OF HEALTH PHYSICS STAFF, LICENSEE AUDITS, NOTIFICATIONS AND REPORTS, FOLLOWUP ON AN UNPLANNED RELEASE AND FOLLOWUP ON PREVIOUS ENFORCEMENT AND INSPECTOR IDENTIFIED ITEMS. IN THE 12 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6-10 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUSLY IDENTIFIED ENFORCEMENT MATTERS; WELDING AND ASSOCIATED NONDESTRUCTIVE EXAMINATION, INSPECTION AND ENFORCEMENT (IE) BULLETINS, AND BORIC ACID RETURN PIPING STRESS CORROSION CRACKING. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (INADEQUATE CORRECTIVE ACTION MEASURES, PARAGRAPH 3.E).

INSPECTION FEBRUARY 27 - MARCH 2 (84-06): THIS INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THREE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED REVIEW OF SECURITY ORGANIZATION-MANAGEMENT/PERSONNEL/RESPONSE, RECORDS AND REPORTS, TESTING AND MAINTENANCE, PHYSICAL BARRIERS-PROTECTED AREA, SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL-PERSONNEL/PACKAGES, DETECTION AIDS-PROTECTED/VITAL AREA, ALARM STATIONS, AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 14 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION FEBRUARY 1-29 (84-07): THIS INSPECTION INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND

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1. Docket: 50-281 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (Mwt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>97,712.0</u>
13. Hours Reactor Critical	<u>370.0</u>	<u>1,786.2</u>	<u>60,356.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>23.8</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>370.0</u>	<u>1,777.1</u>	<u>59,353.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>892,025</u>	<u>4,267,433</u>	<u>138,983,305</u>
18. Gross Elec Ener (MWH)	<u>285,250</u>	<u>1,368,470</u>	<u>45,158,329</u>
19. Net Elec Ener (MWH)	<u>270,614</u>	<u>1,298,460</u>	<u>42,805,520</u>
20. Unit Service Factor	<u>49.7</u>	<u>81.4</u>	<u>62.0</u>
21. Unit Avail Factor	<u>49.7</u>	<u>81.4</u>	<u>62.0</u>
22. Unit Cap Factor (MDC Net)	<u>46.9</u>	<u>76.7</u>	<u>57.7</u>
23. Unit Cap Factor (DER Net)	<u>46.2</u>	<u>75.4</u>	<u>56.8</u>
24. Unit Forced Outage Rate	<u>50.3</u>	<u>18.6</u>	<u>14.3</u>
25. Forced Outage Hours	<u>374.0</u>	<u>406.9</u>	<u>7,233.5</u>

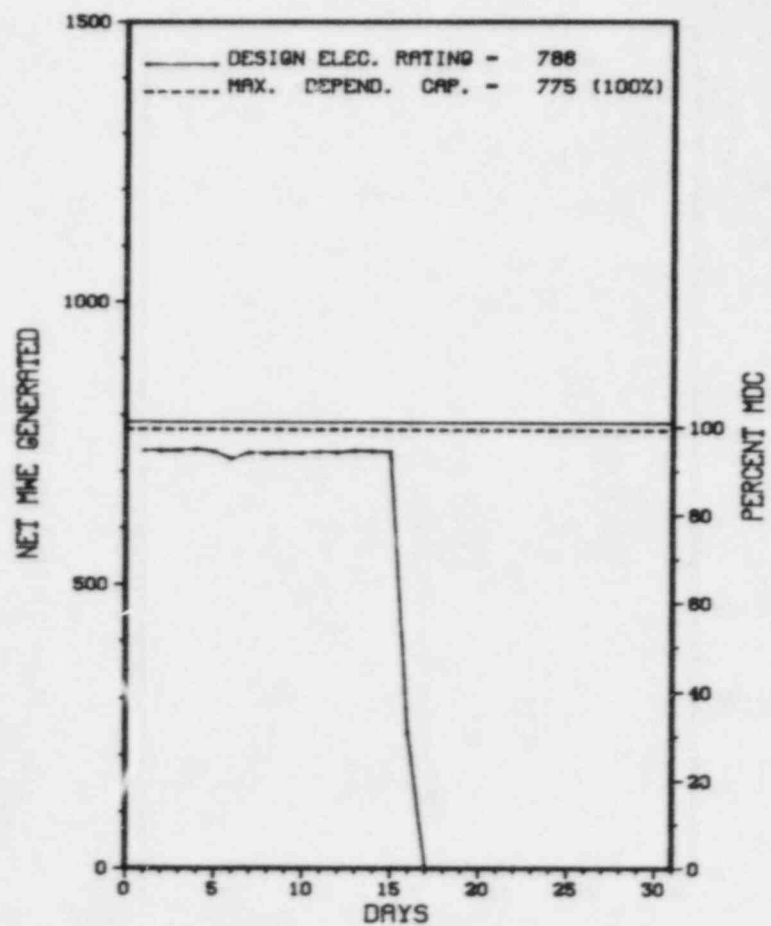
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 04/09/84

* SURRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-10	03/06/84	S	0.0	H	5				POWER WAS REDUCED TO 86% POWER (680 MW'S) FOR LOAD FOLLOWING.
84-11	03/16/84	S	0.0	H	5				POWER WAS REDUCED TO 52% POWER (400 MW'S) FOR LOAD FOLLOWING.
84-12	03/16/84	F	3;4.0	A	3	84-005			REACTOR TRIP CAUSED BY "B" RCP TRIPPING. THE FAILURE WAS IN THE ELECTRICAL PENETRATION AND LEADS WERE CONNECTED TO A SPARE PENETRATICN. THE SCHEDULED SNUBBER OUTAGE WAS STARTED EARLY DUE TO THE PLANT TRIPPING.

 * SUMMARY *

 SURRY 2 EXPERIENCED 1 SHUTDOWN IN MARCH AS DISCUSSED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SURRY 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 7, 1973
DATE ELEC ENER 1ST GENER...MARCH 10, 1973
DATE COMMERCIAL OPERATE...MAY 1, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-281
LICENSE & DATE ISSUANCE...DPR-37, JANUARY 29, 1973
PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION JANUARY 10-13 (84-02): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF TMI ACTION ITEMS, INTERNAL EXPOSURE CONTROL, RADIOLOGICAL SURVEYS, POSTING, LABELING AND CONTROL, RADIATION WORK PERMITS, PROCEDURES REVIEW, QUALIFICATIONS OF HEALTH PHYSICS STAFF, LICENSEE AUDITS, NOTIFICATIONS AND REPORTS, FOLLOWUP ON AN UNPLANNED RELEASE AND FOLLOWUP ON PREVIOUS ENFORCEMENT AND INSPECTOR IDENTIFIED ITEMS. IN THE 12 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6-10 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUSLY IDENTIFIED ENFORCEMENT MATTERS; WELDING AND ASSOCIATED NONDESTRUCTIVE EXAMINATION, INSPECTION AND ENFORCEMENT (IE) BULLETINS, AND BORIC ACID RETURN PIPING STRESS CORROSION CRACKING. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (INADEQUATE CORRECTIVE ACTION MEASURES, PARAGRAPH 3.E).

INSPECTION FEBRUARY 27 - MARCH 2 (84-06): THIS INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THREE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED REVIEW OF SECURITY ORGANIZATION-MANAGEMENT/PERSONNEL/RESPONSE, RECORDS AND REPORTS, TESTING AND MAINTENANCE, PHYSICAL BARRIERS-PROTECTED AREA, SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL-PERSONNEL/PACKAGES, DETECTION AIDS-PROTECTED/VITAL AREA, ALARM STATIONS, AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 14 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION FEBRUARY 1-29 (84-07): THIS INSPECTION INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND

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1. Docket: 50-387 OPERATING STATUS
 2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0
 3. Utility Contact: L. A. KUCZYNSKI (717) 542-2181
 4. Licensed Thermal Power (MWt): 3293
 5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
 6. Design Electrical Rating (Net MWe): 1065
 7. Maximum Dependable Capacity (Gross MWe): 1068
 8. Maximum Dependable Capacity (Net MWe): 1032
 9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): _____
 11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>7,153.0</u>
13. Hours Reactor Critical	<u>274.1</u>	<u>434.0</u>	<u>4,279.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>156.7</u>
15. Hrs Generator On-Line	<u>258.6</u>	<u>356.8</u>	<u>4,125.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>641,658</u>	<u>804,859</u>	<u>12,054,630</u>
18. Gross Elec Ener (MWH)	<u>209,280</u>	<u>252,750</u>	<u>3,919,300</u>
19. Net Elec Ener (MWH)	<u>200,740</u>	<u>240,920</u>	<u>3,777,293</u>
20. Unit Service Factor	<u>34.8</u>	<u>16.3</u>	<u>57.7</u>
21. Unit Avail Factor	<u>34.8</u>	<u>16.3</u>	<u>57.7</u>
22. Unit Cap Factor (MDC Net)	<u>26.1</u>	<u>10.7</u>	<u>51.2</u>
23. Unit Cap Factor (DER Net)	<u>25.3</u>	<u>10.4</u>	<u>49.6</u>
24. Unit Forced Outage Rate	<u>65.2</u>	<u>61.6</u>	<u>20.8</u>
25. Forced Outage Hours	<u>485.4</u>	<u>571.7</u>	<u>1,080.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

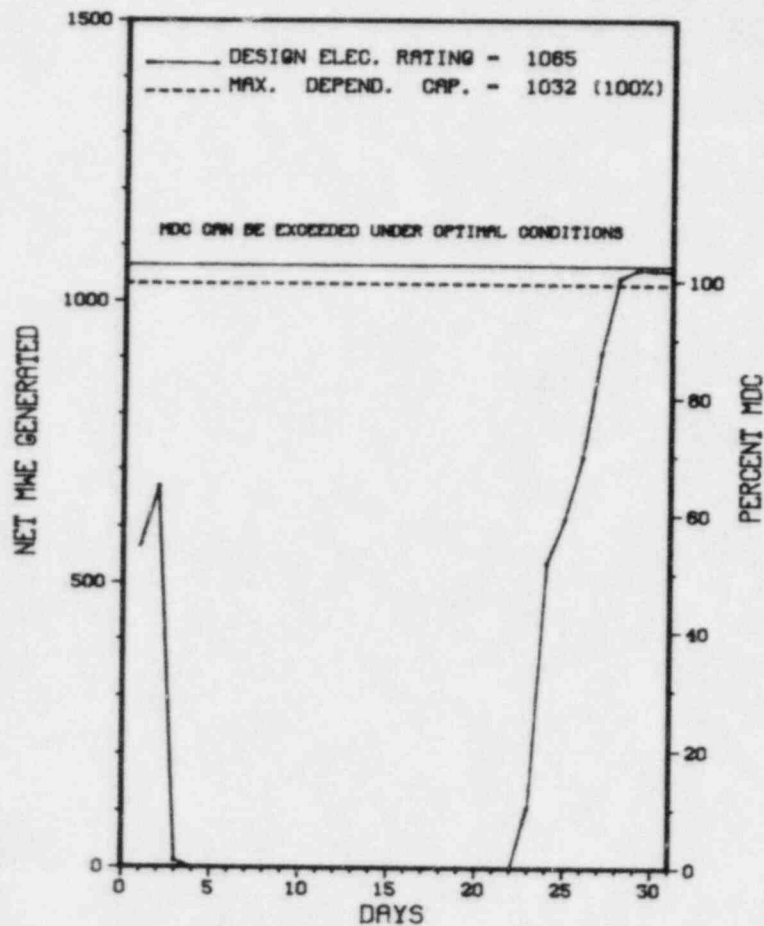
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/03/84	F	485.4	A	3	84-013	HA	CKTBRK	AUTOMATIC SCRAM FROM 74% POWER DUE TO A TURBINE TRIP ON TURBINE CONTROL VALVE FAST CLOSURE BELIEVED CAUSED BY A FAILURE WITHIN THE BLOCKING RELAY IN THE THRUST BEARING WEAR DETECTOR CIRCUITRY. THE RELAY WAS REPLACED, SUCCESSFULLY RETESTED AND THE SYSTEM RETURNED TO SERVICE. PLANT STARTUP WAS DELAYED DUE TO REPLACEMENT OF THE RECIRC. PUMP DISCHARGE VALVE STEM.

 * SUMMARY *

 SUSQUEHANNA 1 EXPERIENCED A TURBINE TRIP ON CONTROL VALVE FAST CLOSURE ON MARCH 3 AND CONTINUED SHUTDOWN FOR MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 10, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE...JUNE 8, 1983
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. JACOBS
LICENSING PROJ MANAGER....R. PERCH
DOCKET NUMBER.....50-387
LICENSE & DATE ISSUANCE...., NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* SUSQUEHANNA 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			
=====			

1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (MWt): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>83,977.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>31,731.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>839.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>31,180.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>76,531,071</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>25,484,330</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>23,840,053</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>37.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>37.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>36.3*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>34.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>59.3</u>
25. Forced Outage Hours	<u>744.0</u>	<u>2,184.0</u>	<u>45,309.5</u>

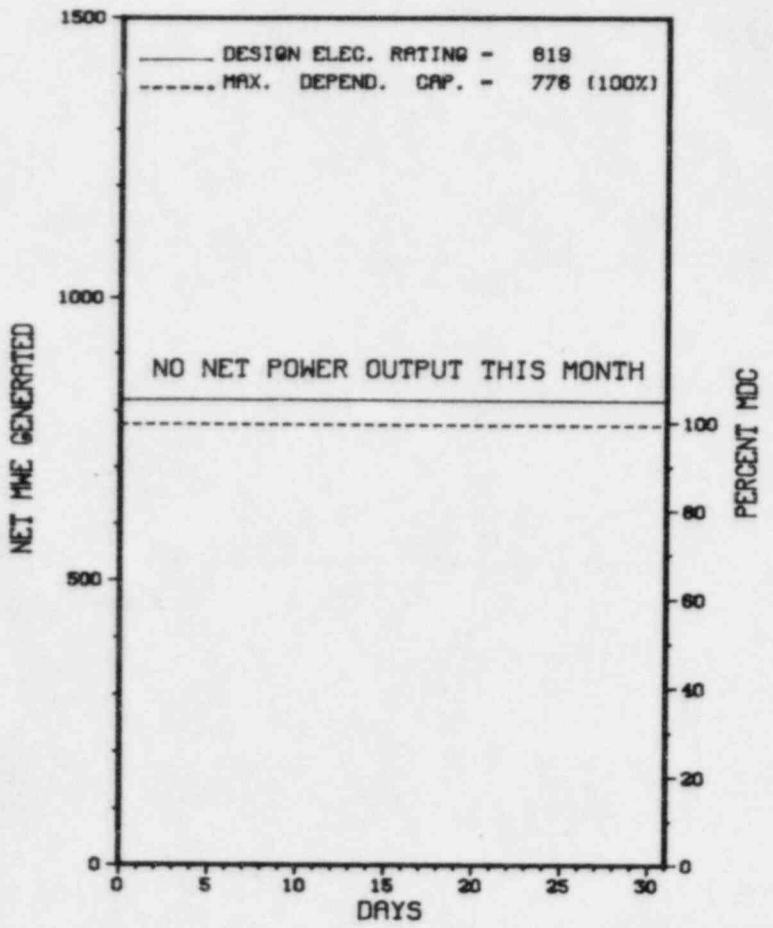
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* THREE MILE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/17/79	F	744.0	D	4		ZZ	ZZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

* SUMMARY *

THREE MILE ISLAND 1 REMAINS SHUT DOWN FOLLOWING THE ACCIDENT
AT UNIT 2.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* THREE MILE ISLAND 1 *

F A C I L I T Y D A T A

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 5, 1974
DATE ELEC ENER 1ST GENER...JUNE 19, 1974
DATE COMMERCIAL OPERATE...SEPTEMBER 2, 1974
CONDENSER COOLING METHOD... COOLING TOWERS
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.
CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. CONTE
LICENSING PROJ MANAGER.....J. VANVLIET
DOCKET NUMBER.....50-289
LICENSE & DATE ISSUANCE...DPR-50, APRIL 19, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* T H R E E M I L E I S L A N D 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-344 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: L. S. PETERSON (503) 556-3713 X496

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>66,456.0</u>
13. Hours Reactor Critical	<u>740.8</u>	<u>2,151.1</u>	<u>41,001.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>728.3</u>	<u>2,133.7</u>	<u>39,687.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>2,412,831</u>	<u>7,163,253</u>	<u>125,727,106</u>
18. Gross Elec Ener (MWH)	<u>781,688</u>	<u>2,311,587</u>	<u>40,887,078</u>
19. Net Elec Ener (MWH)	<u>750,510</u>	<u>2,218,354</u>	<u>38,632,380</u>
20. Unit Service Factor	<u>97.9</u>	<u>97.7</u>	<u>59.7</u>
21. Unit Avail Factor	<u>97.9</u>	<u>97.7</u>	<u>64.6</u>
22. Unit Cap Factor (MDC Net)	<u>93.4</u>	<u>94.0</u>	<u>53.8</u>
23. Unit Cap Factor (DER Net)	<u>89.3</u>	<u>89.9</u>	<u>51.4</u>
24. Unit Forced Outage Rate	<u>2.1</u>	<u>2.3</u>	<u>17.4</u>
25. Forced Outage Hours	<u>15.7</u>	<u>50.3</u>	<u>8,352.1</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

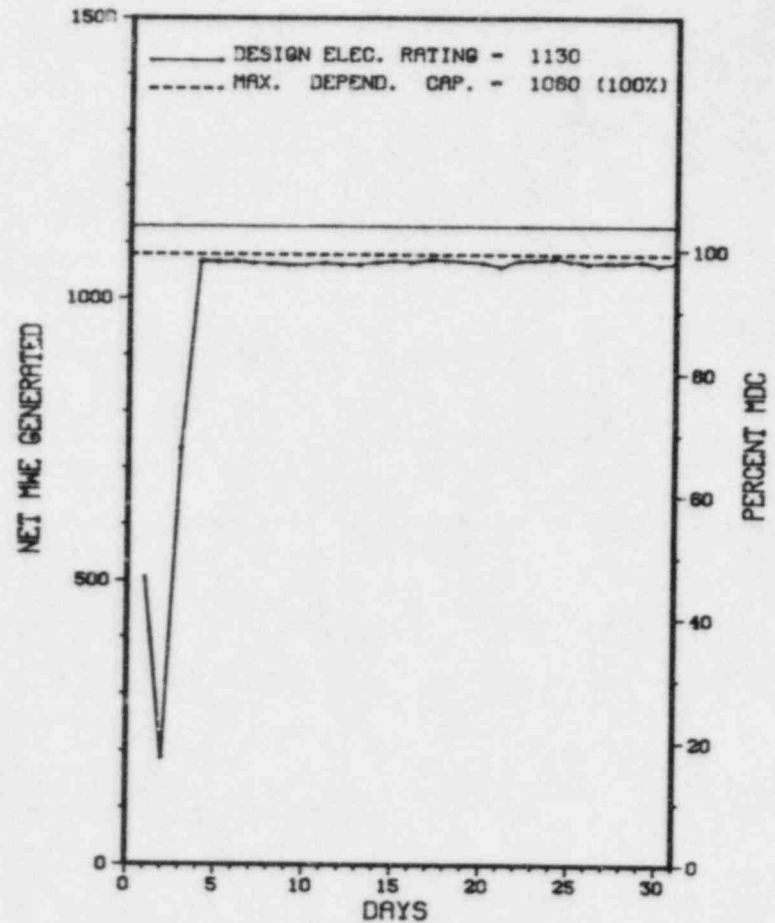
REFUELING - APRIL 27, 1984 (78 DAYS)

27. If Currently Shutdown Estimated Startup Date: N/A

* TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	03/01/84	F	9.8	H	3	84-04	EC	CRTBRK	REACTOR TRIP ON 'B' STEAM GENERATOR LOW-LOW LEVEL DUE TO NORTH MAIN FEED PUMP TRIP. PUMP TRIPPED WHEN GROUND ON 125-VOLT DC SYSTEM WAS LOCATED IN PUMP TRIP CIRCUITRY. GROUND WAS REPAIRED BUT PLANT REMAINED SHUT DOWN TO PLUG TUBE LEAKS IN CONDENSER 1AB.
84-04	03/02/84	S	0.0	B	5				POWER REDUCED FROM 50% TO 25% TO DRAIN 'A' TRAIN FEEDWATER HEATERS FOR TUBE PLUGGING IN FEEDWATER HEATER 1AA/2AA.
84-05	03/02/84	F	5.9	B	4				MAIN TURBINE MANUALLY TRIPPED WHEN UNABLE TO MAINTAIN CONDENSER VACUUM DURING 1AA/2AA FEEDWATER HEATER TUBE PLUGGING. REACTOR REMAINED CRITICAL AT <5% POWER.

 * TROJAN OPERATED ROUTINELY IN MARCH.
 * SUMMARY *

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* TROJAN *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON
COUNTY.....COLUMBIA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...42 MI N OF
PORTLAND, ORE
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 15, 1975
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1975
DATE COMMERCIAL OPERATE...MAY 20, 1976
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...COLUMBIA RIVER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC
CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204
CONTRACTOR
ARCHTTECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....G. JOHNSTON
LICENSING PROJ MANAGER.....C. TRAMMELL
DOCKET NUMBER.....50-344
LICENSE & DATE ISSUANCE...NPF-1, NOVEMBER 21, 1975
PUBLIC DOCUMENT ROOM.....MULTNOMAH COUNTY LIBRARY
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97205

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION ON JANUARY 3 - FEBRUARY 10, 1984 (REPORT NO. 50-344/84-02) AREAS INSPECTED: ROUTINE INSPECTIONS OF PLANT OPERATIONS, SECURITY, SURVEILLANCE TESTING, MAINTENANCE, FOLLOWUP ON LICENSEE EVENT REPORTS AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 229 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 13 - 17, 1984 (REPORT NO. 50-344/84-03) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 13 - 17, 1984 (REPORT NO. 50-344/84-04) AREAS INSPECTED: SPECIAL INSPECTION OF THE LICENSED OPERATOR REQUALIFICATION PROGRAM INCLUDING LECTURE MATERIALS, EXAMINATIONS, ADMINISTRATION, SECURITY, AUDITS, RECORDS, AND MANAGEMENT INVOLVEMENT IN TRAINING. THE INSPECTION INVOLVED 87 INSPECTOR-HOURS ONSITE BY THE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. SEVERAL AREAS WHERE IMPROVED ADMINISTRATION OF THE PROGRAM MAY BE WARRANTED WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 21 - MARCH 2, 1984 (REPORT NO. 50-344/84-05) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 20 - 30, 1984 (REPORT NO. 50-344/84-06) AREAS INSPECTED; FOLLOWUP ON AN APPARENT VIOLATION OF TECHNICAL

Report Period MAR 1984

R E P O R T S F R O M L I C E N S E E

* TROJAN *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-21 01L-0	12-20-83	01-19-84	FAILURE OF MASTER PULSER CARD IN ROD CONTROL SYSTEM
83-24 01L-0	12-09-83	02-08-84	DIESEL FUEL TANK LEVEL TRANSMITTER PREVENTED "B" DIESEL FUEL TRANSFER PUMP FROM STARTING
84-02 01L-0	01-27-84	02-27-84	SAFETY INJECTION PUMP LUBE OIL COOLER SEDIMENT PLUGGING

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1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (Mwt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>99,249.6</u>
13. Hours Reactor Critical	<u>697.1</u>	<u>1,746.3</u>	<u>69,771.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>691.8</u>	<u>1,643.5</u>	<u>67,590.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,516,127</u>	<u>3,509,049</u>	<u>138,997,641</u>
18. Gross Elec Ener (MWH)	<u>493,910</u>	<u>1,134,175</u>	<u>44,344,740</u>
19. Net Elec Ener (MWH)	<u>469,736</u>	<u>1,070,552</u>	<u>41,983,569</u>
20. Unit Service Factor	<u>93.0</u>	<u>76.4</u>	<u>68.1</u>
21. Unit Avail Factor	<u>93.0</u>	<u>76.4</u>	<u>68.2</u>
22. Unit Cap Factor (MDC Net)	<u>94.8</u>	<u>73.6</u>	<u>65.3*</u>
23. Unit Cap Factor (DER Net)	<u>91.1</u>	<u>70.7</u>	<u>61.0</u>
24. Unit Forced Outage Rate	<u>7.0</u>	<u>17.0</u>	<u>5.7</u>
25. Forced Outage Hours	<u>52.2</u>	<u>342.4</u>	<u>3,522.5</u>

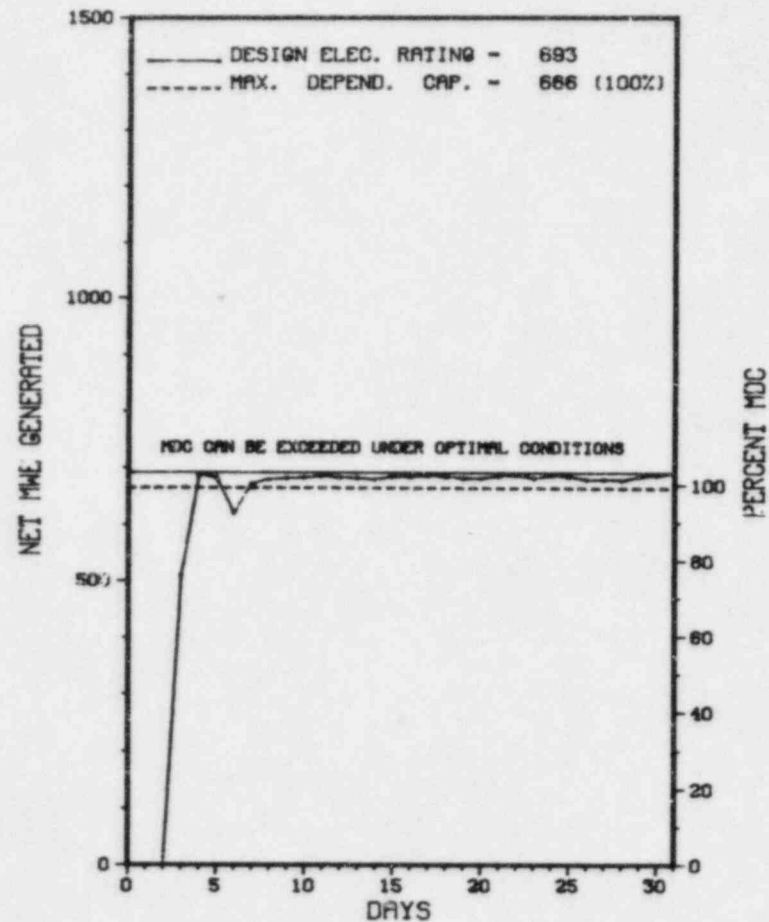
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	02/27/84	F	52.2	A	4		EB	RELAYX	THE UNIT WAS REMOVED FROM SERVICE TO INSPECT, ADJUST AND REPAIR AUXILIARY POWER AIR CIRCUIT BREAKERS.

 * SUMMARY *

 TURKEY POINT 3 STARTED UP ON MARCH 3 FOLLOWING A SHUTDOWN FOR INSPECTION AND ADJUSTMENT OF AUXILIARY POWER AIR CIRCUIT BREAKERS.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

N TURKEY POINT 3 N

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 20, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972
DATE COMMERCIAL OPERATE...DECEMBER 14, 1972
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. VOGT LOWELL
LICENSING PROJ MANAGER.....D. McDONALD
DOCKET NUMBER.....50-250
LICENSE & DATE ISSUANCE...DPR-31, JULY 19, 1972
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 15-17 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREA OF REACTOR COOLANT SYSTEM LEAK RATE MEASUREMENT AND FOLLOWUP OF OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6-10 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 6-8 & 18-20 (84-10): THIS INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. A SPECIAL SECURITY INSPECTION WAS CONDUCTED TO REVIEW THE CIRCUMSTANCES SURROUNDING QUESTIONABLE SECURITY PRACTICES OBSERVED BY AN NRC OPERATIONS INSPECTOR DURING AN INSPECTION CONDUCTED FEBRUARY 21 - MARCH 31, 1984. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO MAINTAIN POSITIVE CONTROL OF AN ESCORTED INDIVIDUAL.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 50.47(B)(10), IN THE CASE WHERE PROMPT PROTECTIVE ACTION RECOMMENDATIONS ARE WARRANTED BY PLANT CONDITIONS AND SMALL DOSES ARE PROJECTED FOR THE SITE BOUNDARY DUE TO PRESENT SMALL RELEASES, NO PROTECTIVE ACTIONS ARE ADDRESSED

Report Period MAR 1984

REPORTS FROM LICENSEE

* TURKEY POINT 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-023/ 03-L	12/01/83	01/04/84	THE UNIT 3 SPENT FUEL PIT EXHAUST RADIATION MONITOR WAS DE-ENERGIZED. THE ROOT CAUSE COULD NOT BE POSITIVELY DETERMINED.
83-024/ 03-L	12/08/83	01/09/84	THE UNIT 3 SPENT FUEL PIT EXHAUST RADIATION MONITOR WAS DE-ENERGIZED. MONITOR WAS OUT OF SERVICE FOR ABOUT 20 HOURS. THE ROOT CAUSE WAS THE 'C' MOTOR CONTROL CENTER BEING DE-ENERGIZED.
83-025/ 03-L	12/16/83	01/16/84	A SPURIOUS ENGINEERED SAFEGUARDS ACTUATION SIGNAL WAS RECEIVING AND THE 'B' EMERGENCY DIESEL GENERATOR FAILED TO START.
83-026/ 03-L	12/15/83	02/22/84	PORTABLE AIR COMPRESSOR ROLLING DOWN THE UNIT 3 CONTAINMENT EQUIPMENT HATCH RAMP AND STRIKING THE EMERGENCY DIESEL GENERATOR FUEL OIL TRANSFER PIPING ADJACENT TO THE STORAGE TANK.
84-001/ --	01/08/84	02/07/84	REACTOR TRIP OCCURRED DUE TO A SPURIOUS SIGNAL, NO ABNORMALITIES WERE DETERMINED.
84-002/ --	01/08/84	02/07/84	REACTOR TRIPPED DUE TO INITIATION OF 'SI' WITH FLOW NOT REQUIRED TO BE DELIVERED TO THE CORE.
84-003/ --	01/09/84	02/08/84	REACTOR TRIP OCCURRED, DUE TO PERSONNEL ERROR.
84-004/ --	01/04/84	02/22/84	AUXILIARY FEEDWATER SYSTEM. 'A' PUMP STARTED BUT DID NOT PRODUCE THE REQUIRED FLOW, DUE TO BE MISPOSITION OF THE MANUAL GOVERNOR SPEED CONTROL KNOB.
84-005/ --	01/25/84	02/23/84	REACTOR TRIP OCCURRED, DUE TO AN ACCIDENTAL TRIP OF A 4160 VOLT BUS FEEDER BREAKER.
84-006/ --	02/12/84	03/13/84	A REACTOR TRIP OCCURRED, DUE TO AN ELECTRICAL RELAY MALFUNCTION.
84-010/ --	02/03/84	02/28/84	'B' WATER ANALYZER HAD ISOLATED DUE TO GROUP 6 ISOLATION SIGNAL CAUSED BY A FAULTY RELAY.

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1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>92,977.0</u>

13. Hours Reactor Critical	<u>115.5</u>	<u>1,316.6</u>	<u>65,955.4</u>
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14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
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15. Hrs Generator On-Line	<u>111.4</u>	<u>1,269.3</u>	<u>63,737.7</u>
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16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
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17. Gross Therm Ener (MWH)	<u>238,983</u>	<u>2,761,901</u>	<u>134,517,642</u>
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18. Gross Elec Ener (MWH)	<u>76,975</u>	<u>898,385</u>	<u>42,819,747</u>
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19. Net Elec Ener (MWH)	<u>70,703</u>	<u>848,172</u>	<u>40,555,280</u>
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20. Unit Service Factor	<u>15.0</u>	<u>58.1</u>	<u>68.6</u>
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21. Unit Avail Factor	<u>15.0</u>	<u>58.1</u>	<u>68.6</u>
-----------------------	-------------	-------------	-------------

22. Unit Cap Factor (MDC Net)	<u>14.3</u>	<u>58.3</u>	<u>67.3*</u>
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23. Unit Cap Factor (DER Net)	<u>13.7</u>	<u>56.0</u>	<u>62.9</u>
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24. Unit Forced Outage Rate	<u>34.4</u>	<u>21.1</u>	<u>4.9</u>
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25. Forced Outage Hours	<u>58.3</u>	<u>340.4</u>	<u>2,882.2</u>
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26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

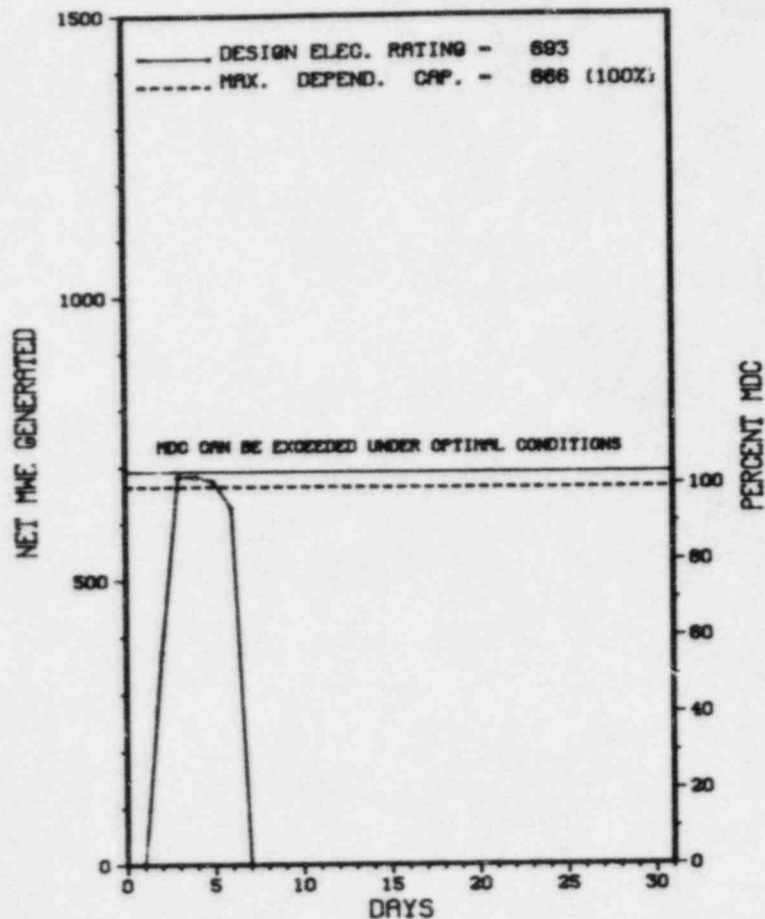
NONE

27. If Currently Shutdown Estimated Startup Date: 05/09/84

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	02/27/84	F	32.3	A	4		EB	RELAYX	THE UNIT WAS REMOVED FROM SERVICE TO INSPECT, ADJUST AND REPAIR AUXILIARY POWER AIR CIRCUIT BREAKERS.
6	03/06/84	F	26.0	A	1		CB	VALVEX	UNIT REMOVED FROM SERVICE TO REPAIR LEAKAGE FROM PRESSURIZER SPRAY VALVE PACKING.
7	03/08/84	S	574.3	C	1		RC	FUELXX	UNIT REMOVED FROM SERVICE FOR REFUELING AND SCHEDULED MAINTENANCE.

 * SUMMARY *

 TURKEY POINT 4 BEGAN A REFUELING AND MAINTENANCE SHUTDOWN ON MARCH 8.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* TURKEY POINT 4 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 11, 1973
DATE ELEC ENER 1ST GENER...JUNE 21, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 7, 1973
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. VOGT LOWELL
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-251
LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 15-17 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREA OF REACTOR COOLANT SYSTEM LEAK RATE MEASUREMENT AND FOLLOWUP OF OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION FEBRUARY 6-10 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION MARCH 6-8 & 18-20 (84-10): THIS INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. A SPECIAL SECURITY INSPECTION WAS CONDUCTED TO REVIEW THE CIRCUMSTANCES SURROUNDING QUESTIONABLE SECURITY PRACTICES OBSERVED BY AN NRC OPERATIONS INSPECTOR DURING AN INSPECTION CONDUCTED FEBRUARY 21 - MARCH 31, 1984. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO MAINTAIN POSITIVE CONTROL OF AN ESCORTED INDIVIDUAL.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 50.47(B)(10), IN THE CASE WHERE PROMPT PROTECTIVE ACTION RECOMMENDATIONS ARE WARRANTED BY PLANT CONDITIONS AND SMALL DOSES ARE PROJECTED FOR THE SITE BOUNDARY DUE TO PRESENT SMALL RELEASES, NO PROTECTIVE ACTIONS ARE ADDRESSED

ENFORCEMENT SUMMARY

BY THE IMPLEMENTING PROCEDURES. CONTRARY TO THE REQUIREMENTS OF 10CFR50.47(B)(10), NUCLEAR PLANT SUPERVISORS INTERVIEWED DURING THE INSPECTION WERE UNFAMILIAR WITH THE EPIP'S TO THE EXTENT THAT INCORRECT PROTECTIVE ACTION RECOMMENDATION DECISIONS WERE MADE FOR A RANGE OF SITUATIONS AND CORRESPONDING ACTION LEVELS. SIMILARLY, THE NUCLEAR PLANT SUPERVISORS, INITIALLY THE EMERGENCY COORDINATORS, ARE NOT TRAINED TO PERFORM DOSE CALCULATIONS AND WERE GENERALLY UNFAMILIAR WITH THE PROCEDURE. ALSO, INDIVIDUALS SELECTED BY THE PLANT SUPERVISORS, ON OTHER THAN THE DAY SHIFT, TO PERFORM THE DOSE CALCULATIONS (ONE HP AND ONE CHEMISTRY DEPARTMENT STAFF) WERE UNFAMILIAR WITH THE PROCEDURES AND UNABLE TO PERFORM THE REQUIRED CALCULATIONS.

(8401 4)

TWO DEDICATED CCTV CAMERAS FOR PA SURVEILLANCE WERE INOPERABLE, NO DISCERNIBLE IMAGE ON CCTV MONITORS.

(8403 4)

FAILURE OF EMPLOYEE'S TO DISPLAY SECURITY IDENTIFICATION BADGES WHILE WITHIN THE PA.

(8403 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

COMPLETED STEAM GENERATOR REPLACEMENT.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 6-8 & 18-20, 1984 +

INSPECTION REPORT NO: 50-251/84-10 +

Report Period MAR 1984

REPORTS FROM LICENSEE

* TURKEY POINT 4 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
83-022/ 03-L	12/19/83	01/18/84	BORON CONCENTRATION REVEALED THAT ALL THREE TANKS WERE EXCEEDING TECH SPECS. LIMITS (20,000-22,500 PPM).
84-001/ --	02/12/84	03/13/84	A REACTOR TRIP OCCURRED, DUE TO AN ELECTRICAL RELAY MALFUNCTION.
84-002/ --	02/12/84	03/13/84	REACTOR TRIP OCCURRED DUE TO STEAM FLOW GREATER THAN FEED FLOW, DUE TO A HIGH STEAM FLOW READING ON 4A STEAM GENERATOR.

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1. Docket: 50-271 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: F. J. BURGER (802) 257-7711 X136

4. Licensed Thermal Power (MWt): 1593

5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563

6. Design Electrical Rating (Net MWe): 514

7. Maximum Dependable Capacity (Gross MWe): 535

8. Maximum Dependable Capacity (Net MWe): 504

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

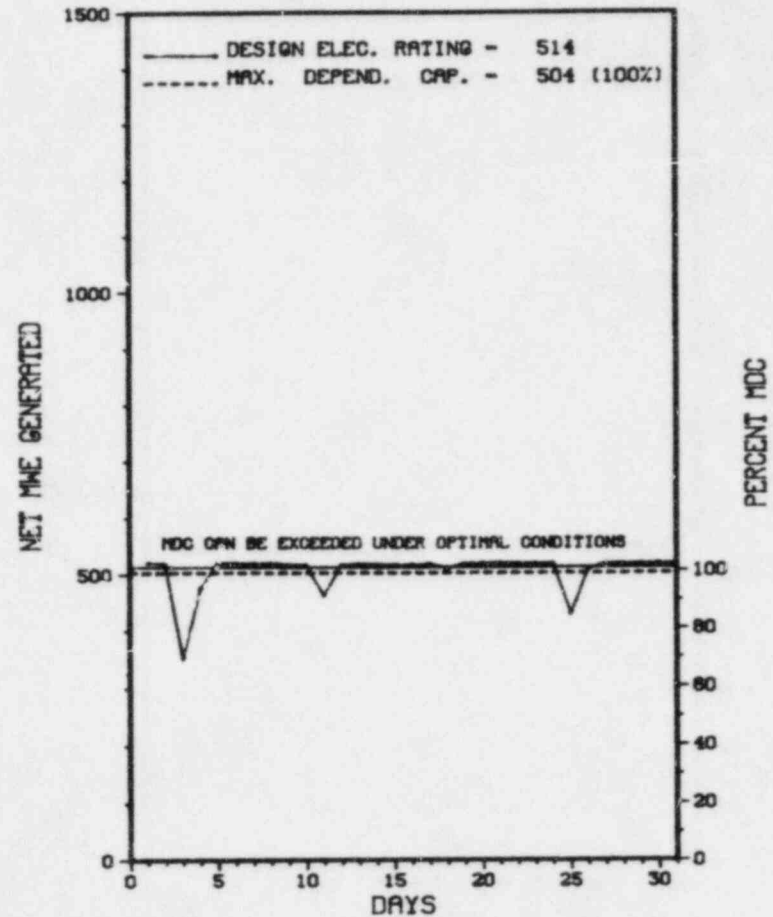
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>101,042.8</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,076.6</u>	<u>81,775.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,050.7</u>	<u>79,543.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,157,219</u>	<u>3,185,262</u>	<u>115,345,934</u>
18. Gross Elec Ener (MWH)	<u>393,830</u>	<u>1,081,978</u>	<u>38,375,056</u>
19. Net Elec Ener (MWH)	<u>377,814</u>	<u>1,038,469</u>	<u>36,403,485</u>
20. Unit Service Factor	<u>100.0</u>	<u>93.9</u>	<u>78.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>93.9</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>94.3</u>	<u>71.5</u>
23. Unit Cap Factor (DER Net)	<u>98.8</u>	<u>92.5</u>	<u>70.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.1</u>	<u>7.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>133.3</u>	<u>5,024.5</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>REFUELING AND MAINTENANCE: 6/16/84-8 WEEKS.</u>			
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

* VERMONT YANKEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-04	03/03/84	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL PATTERN EXCHANGE.
84-05	03/25/84	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD EXERCISE.

* SUMMARY *

VERMONT YANKEE OPERATED ROUTINELY DURING MARCH WITH NO SHUTDOWNS REPORTED.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT

COUNTY.....WINDHAM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 24, 1972

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972

DATE COMMERCIAL OPERATE...NOVEMBER 30, 1972

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...CONNECTICUT RIVER

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER

CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. RAYMOND

LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271

LICENSE & DATE ISSUANCE...DPR-28, FEBRUARY 28, 1973

PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.5B REQUIRES, IN PART, THAT RADIATION CONTROL PROCEDURES BE PREPARED, APPROVED AND MAINTAINED AND MADE AVAILABLE TO ALL STATION PERSONNEL. THESE PROCEDURES SHALL BE CONSISTENT WITH 10 CFR PART 20, AND REVIEWED AND APPROVED BY THE PLANT MANAGER, OR HIS DESIGNEE, AND THE MANAGER OF OPERATIONS. CONTRARY TO THE ABOVE RADIATION CONTROL PROCEDURES, NECESSARY TO COMPLY WITH 10 CFR PART 20, FOR THE VAN-MOUNTED PERSONNEL WHOLE BODY COUNTING SYSTEM WERE NOT REVIEWED AND APPROVED BY THE PLANT MANAGER, OR HIS DESIGNEE, AND THE MANAGER OF OPERATIONS. THE SYSTEM WAS USED WITHOUT THE REQUIRED PROCEDURES FROM SEPTEMBER 7, 1983 THROUGH DECEMBER 9, 1983. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT IV).
(8333 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* VERMONT YANKEE 1 *

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEM 7 CHANGED TO REFLECT WINTER PERIOD

10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>204,885.0</u>
13. Hours Reactor Critical	<u>729.6</u>	<u>1,978.4</u>	<u>163,502.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>729.1</u>	<u>1,973.1</u>	<u>158,885.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>422,454</u>	<u>1,154,123</u>	<u>86,037,717</u>
18. Gross Elec Ener (MWH)	<u>129,971</u>	<u>355,301</u>	<u>26,078,167</u>
19. Net Elec Ener (MWH)	<u>121,835</u>	<u>333,288</u>	<u>24,401,677</u>
20. Unit Service Factor	<u>98.0</u>	<u>90.3</u>	<u>77.5</u>
21. Unit Avail Factor	<u>98.0</u>	<u>90.3</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>98.1</u>	<u>91.0</u>	<u>71.5*</u>
23. Unit Cap Factor (DER Net)	<u>93.6</u>	<u>87.2</u>	<u>69.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.0</u>	<u>5.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>196.0</u>	<u>7,682.4</u>

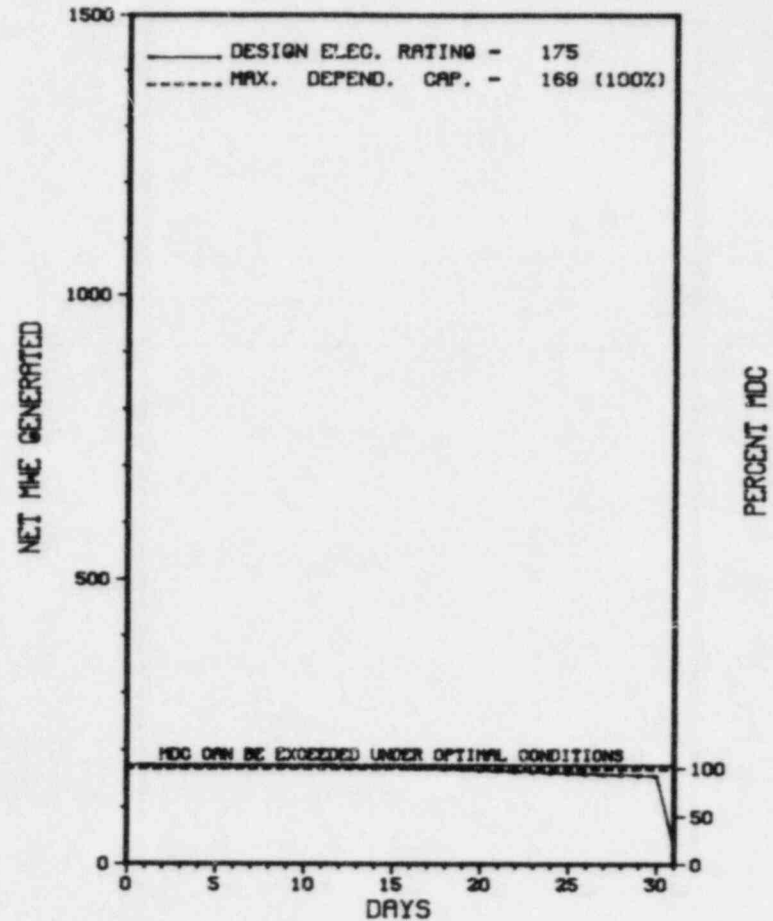
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/10/84

 * YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



MARCH 1984

* Item calculated with a Weighted Average

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-2	03/31/84	S	14.9	C	1		RC	FUELXX	REFUELING & MAINTENANCE OUTAGE COMMENCES.

* SUMMARY *

YANKEE ROWE OPERATED ROUTINELY UNTIL MARCH 31 WHEN IT WAS SHUTDOWN FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE...JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....H. EICHENHOLZ
LICENSING PROJ MANAGER.....P. ERICKSON
DOCKET NUMBER.....50-029
LICENSE & DATE ISSUANCE...DPR-3, DECEMBER 24, 1963
PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 71.31 REQUIRES PACKAGING TO BE OF SUCH MATERIALS AND CONSTRUCTION THAT THERE WILL BE NO SIGNIFICANT CHEMICAL, GALVANIC, OR OTHER REACTION AMONG THE PACKAGING COMPONENTS, OR BETWEEN THE PACKAGING COMPONENTS AND THE PACKAGE CONTENTS. CONTRARY TO THE ABOVE, ON JULY 22, 1983, THE LICENSEE SHIPPED A 55-GALLON DRUM, CONTAINING 14 MILLICURIES OF LICENSED MATERIAL, AND THE 55-GALLON DRUM WAS NOT OF SUCH MATERIALS AND CONSTRUCTION THAT THERE WOULD BE NO SIGNIFICANT CHEMICAL GALVANIC, OR OTHER REACTION AMONG THE PACKAGING COMPONENTS, OR BETWEEN THE PACKAGING COMPONENTS, AND THE PACKAGE CONTENTS. UPON ARRIVAL AT THE BARNWELL, SOUTH CAROLINA BURIAL SITE, DRUM NO. 30138 WAS FOUND TO BE LEAKING THROUGH ONE OF NUMEROUS RUSTED-THROUGH PIN HOLES.
(8316 3)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period MAR 1984

I N S P E C T I O N S T A T U S - (CONTINUED)

* YANKEE-ROWE 1 *

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

R E P O R T S F R O M L I C E N S E E

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

=====

1. Docket: 50-295 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (MWt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>89,856.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,264.7</u>	<u>63,340.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>727.3</u>	<u>1,157.5</u>	<u>61,625.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,273,089</u>	<u>3,362,076</u>	<u>173,283,559</u>
18. Gross Elec Ener (MWH)	<u>748,756</u>	<u>1,099,304</u>	<u>55,819,183</u>
19. Net Elec Ener (MWH)	<u>719,967</u>	<u>1,050,210</u>	<u>52,953,515</u>
20. Unit Service Factor	<u>97.8</u>	<u>53.0</u>	<u>68.6</u>
21. Unit Avail Factor	<u>97.8</u>	<u>53.0</u>	<u>68.6</u>
22. Unit Cap Factor (MDC Net)	<u>93.0</u>	<u>46.2</u>	<u>56.7</u>
23. Unit Cap Factor (DER Net)	<u>93.0</u>	<u>46.2</u>	<u>56.7</u>
24. Unit Forced Outage Rate	<u>2.2</u>	<u>32.4</u>	<u>13.7</u>
25. Forced Outage Hours	<u>16.7</u>	<u>554.0</u>	<u>9,166.0</u>

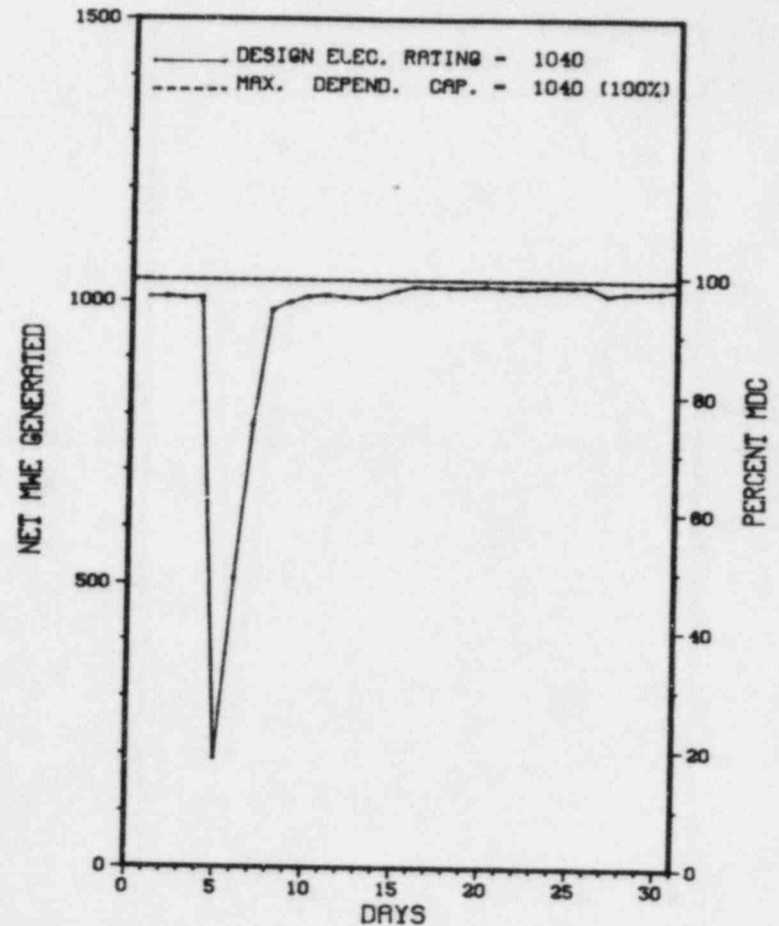
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

* ZION 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	03/05/84	F	16.7	A	1				TURBINE OFF LINE FOR RUPTURE DISC ON HEATER DRAIN TANK.

***** ZION 1 OPERATED ROUTINELY IN MARCH WITH 1 SHUTDOWN REPORTED.
* SUMMARY *

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	G-Oper Error	3-Auto Scram	Preparation of
	C-Refueling	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training		
	& License Examination		

* ZION 1 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 19, 1973
DATE ELEC ENER 1ST GENER...JUNE 28, 1973
DATE COMMERCIAL OPERATE...DECEMBER 31, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WATERS
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973
PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 21, THROUGH FEBRUARY 9, (83-26): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, PRIMARY LEAK INSIDE UNIT 1 CONTAINMENT, INADVERTENT SAFETY INJECTION, REACTOR TRIPS, STARTUP TESTING-REFUELING, FAILURE OF 1A DIESEL GENERATOR, AUXILIARY FEEDWATER SYSTEM DISCHARGE THROTTLE VALVE SETTING, 1B REACTOR COOLANT PUMP MOTOR REPLACEMENT, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION AND LICENSEE EVENT REPORT FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 187 HOURS BY TWO NRC INSPECTORS INCLUDING 34 HOURS ONSITE DURING OFF-SHIFTS. OF THE THIRTEEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS AND TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING FOUR AREAS (FAILURE TO COMPLY WITH APPROVED WRITTEN PROCEDURES).

INSPECTION ON NOVEMBER 22-23 AND 29-30, DECEMBER 1-2, 6-9, 15-16, AND 28, AND FEBRUARY 2, (83-27): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION PROGRAM, INCLUDING: QUALIFICATIONS; AUDITS; TRAINING; RADIATION PROTECTION PROCEDURES; INSTRUMENTS AND EQUIPMENT; EXPOSURE CONTROL; POSTING, LABELING, AND CONTROL; SURVEYS; NOTIFICATIONS AND REPORTS; PREPARATIONS FOR IMPLEMENTATION OF 10 CFR 61; AND OPEN ITEMS. ALSO, LICENSEE ACTIONS RELATED TO A SOURCE HANDLING INCIDENT, A CONTAINMENT HIGH AIRBORNE RADIOACTIVITY INCIDENT, AND COMPLETION OF TMI ACTION PLAN ITEM II.F.1.1 WERE REVIEWED. THE INSPECTION INVOLVED 136 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. OF THE FOURTEEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ELEVEN AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN EACH OF THREE AREAS (FAILURE TO FOLLOW PLANT PROCEDURES; FAILURE TO EVALUATE RADIOLOGICAL HAZARDS; AND FAILURE TO CONTROL ACCESS TO A HIGH RADIATION AREA).

1. Docket: 50-304 OPERATING STATUS

2. Reporting Period: 03/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (MWt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,184.0</u>	<u>83,569.0</u>
13. Hours Reactor Critical	<u>626.8</u>	<u>2,032.0</u>	<u>61,257.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>625.8</u>	<u>2,017.6</u>	<u>59,544.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,780,844</u>	<u>6,204,923</u>	<u>171,121,006</u>
18. Gross Elec Ener (MWH)	<u>580,911</u>	<u>2,029,823</u>	<u>54,733,860</u>
19. Net Elec Ener (MWH)	<u>555,031</u>	<u>1,945,744</u>	<u>52,022,689</u>
20. Unit Service Factor	<u>84.1</u>	<u>92.4</u>	<u>71.3</u>
21. Unit Avail Factor	<u>84.1</u>	<u>92.4</u>	<u>71.3</u>
22. Unit Cap Factor (MDC Net)	<u>71.7</u>	<u>85.7</u>	<u>59.9</u>
23. Unit Cap Factor (DER Net)	<u>71.7</u>	<u>85.7</u>	<u>59.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>17.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>48.2</u>	<u>12,424.9</u>

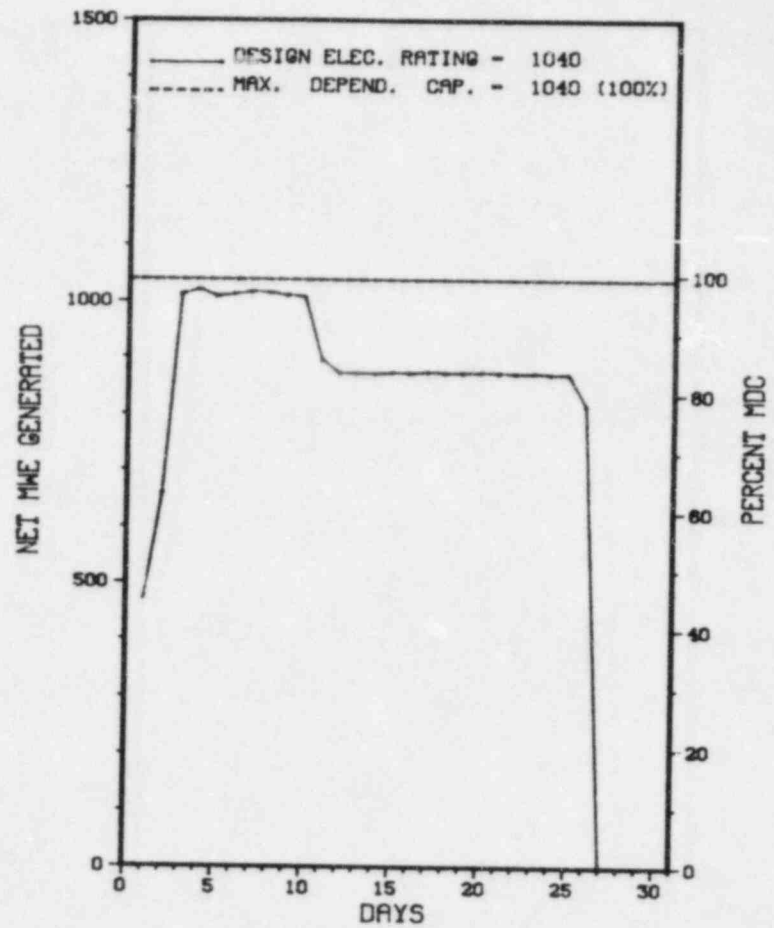
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
3/27/84 UNIT SHUTDOWN FOR SCHED. REFUELING OUTAGE.

27. If Currently Shutdown Estimated Startup Date: 06/09/84

* ZION 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



MARCH 1984

Report Period MAR 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	03/27/84	S	118.2	C	3	84-007	RC	FUELXX	WHILE BRINGING THE UNIT DOWN FOR THE SCHEDULED REFUELING OUTAGE, REACTOR TRIPPED STEAM FLOW/FEED FLOW MISMATCH DURING OVERSPEED TESTING THE TURBINE.

 * SUMMARY *

 ZION UNIT 2 EXPERIENCED A REACTOR TRIP WHILE RAMPING DOWN FOR REFUELING AS DISCUSSED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* ZION 2 *

FACILITY DATA

Report Period MAR 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 24, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 26, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 17, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WATERS
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-304
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SECTION 3

APPENDIX

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	ARKANSAS 1	177	968	316	652		N/S
ARKANSAS 2	177	988	168	820		N/S	2003
BEAVER VALLEY 1	157	833	52	781		N/S	1995
CALVERT CLIFFS 1	217	1830(c)	796(c)	1034(c)(m)	1170	03-85	1991
CALVERT CLIFFS 2	217					04-84	1991
COOK 1	193	2050(c)	553(c)	1497(c)		N/S	1994
COOK 2	193					N/S	
CRYSTAL RIVER 3	177	1163	171	992		N/S	1997
DAVIS-BESSE 1	177	735	140	595		N/S	1993
DIABLO CANYON 1							
FARLEY 1	157	675	114	561	1293	N/S	1991
FARLEY 2	157	675	62	613	1345	N/S	1994
FORT CALHOUN 1	133	729	305	424		N/S	1985
GINNA	121	595	340	255		N/S	1992
HADDAM NECK	157	1168	493	675		06-84	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	268	214	980	05-84	1984
INDIAN POINT 3	193	837	140	697		N/S	1993
KEWAUNEE	121	990	268	722(m)		N/S	1991
MAINE YANKEE	217	953	577	376	1678	N/S	1987
MCGUIRE 1	193	500	95	405(n)	1344	N/S	1990
MCGUIRE 2							
MILLSTONE 2	217	667	376	291		N/S	1987
NORTH ANNA 1	157	966(c)	116(c)	850		05-84	1991
NORTH ANNA 2	157					08-84	1990
OCONEE 1	177	1312(l)	1123	189(l)(n)		N/S	1991
OCONEE 2	177					N/S	
OCONEE 3	177	825	72	753		N/S	
PALISADES	204	784	480	304		N/S	1988
POINT BEACH 1	121	1058(c)	484(c)	1078(c)		N/S	1995
POINT BEACH 2	121					N/S	
PRAIRIE ISLAND 1	121	1017(c)	561(c)	456(c)(m)	720	N/S	1988
PRAIRIE ISLAND 2	121						
RANCHO SECO 1	177	579	280	299		08-84	1987
ROBINSON 2	157	276	152	124(e)	431	N/S	1985(g)
SALEM 1	193	1170	212	958		05-84	1996
SALEM 2	193	1170	72	1098		N/S	2000
SAN ONOFRE 1	157	216	94	122		N/S	1985
SAN ONOFRE 2	217	800	0	800		N/S	
SAN ONOFRE 3	217	800	0	800		N/S	
SEQUOYAH 1	193	800	65	735		N/S	1993
SEQUOYAH 2(d)	193	800	65	735		N/S	1994
ST LUCIE 1	217	728	352	376		N/S	1990
ST LUCIE 2							
SUMMER 1	157	682	0	682	1276	N/S	
SURRY 1	157	1044(c)	556(c)	484(c)		N/S	1987
SURRY 2	157					N/S	

***** * PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY * WATER * * REACTORS * *****								
		(a)			REMAINING CAPACITY		(b)	
CORE SIZE		PRESENT AUTH.	NO. OF	ASSEMBLIES REMAINING CAPACITY	IF PENDING REQUEST	NEXT REFUEL	WILL FILL	PRESENT
FACILITY	(NO. OF ASSEMBLIES)	STORAGE POOL CAP. (FUEL ASSEMBLIES)	ASSEMBLIES STORED (NO. OF ASSEMBLIES)	REMAINING CAPACITY (NO. OF ASSEMBLIES)	APPROVED (NO. OF ASSEMBLIES)	SCHED. DATE	AUTH. CAPACITY	
*****	*****	*****	*****	*****	*****	*****	*****	*****
THREE MILE ISLAND 1	177	752	208	544		N/S		1986
THREE MILE ISLAND 2	177	442	0	442		N/S		1986
TROJAN	193	651	248	403		04-84		1990
TURKEY POINT 3	157	621	445	175(m)		N/S		1987
TURKEY POINT 4	157	621	430	191		N/S		1988
YANKEE-ROWE 1	76	391	225	166	496	04-84		1988
ZION 1	193	2112(c)	795(c)	1317(c)		N/S		1992
ZION 2	193					04-84		1992

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
 (b) Some of these dates have been adjusted by staff assumptions.
 (c) This is the total for both units.
 (d) Plant not in commercial operation.
 (e) Some spent fuel stored at Brunswick.
 (f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.
 (g) Robinson 2 assemblies being shipped to Brunswick for storage.
 (h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
 (i) No longer accepting spent fuel.
 (j) Racked for 700 MTU.
 (k) Reserved.
 (l) This is the station total.
 (m) Installed capacity is less than that authorized.
 (n) McGuire 1 authorized to accept Ocone fuel assemblies.

 N/S = Not Scheduled

 * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY
 * WATER *
 * REACTORS * (a)

FACILITY	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	WILL FILL PRESENT AUTH. CAPACITY
BIG ROCK POINT 1	84	193	152	41	289	08-84	1986
BROWNS FERRY 1	764	3471	1068	2403		07-84	1985
BROWNS FERRY 2	764	3471	889	861(m)	2582	08-84	1985
BROWNS FERRY 3	764	3471	1520	398(m)	2650	N/S	1985
BRUNSWICK 1	560	(f)	160PWR+656BWR	2116		N/S	1986
BRUNSWICK 2	560		144PWR+564BWR	2208		N/S	1986
COOPER STATION	548	2366	848	1518		N/S	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	26.9(c)	2014 (c)	996(c)	6129(c)	N/S	1985
DRESDEN 3	724					N/S	
DUANE ARNOLD	368	2050	576	1474		N/S	1998
FITZPATRICK	560	2244	816	1428		N/S	1991
HATCH 1	560	3021	0	3021		N/S	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	207	233		N/S	1990
LASALLE 1							
MILLSTONE 1	580	2184	1136	1048		04-84	1991
MONTICELLO	484	2237	1137	1100		N/S	1991
NINE MILE POINT 1	532	1984	1177	807	1788	N/S	1990
OYSTER CREEK 1	560	1800	1375	425	1225	N/S	1987
PEACH BOTTOM 2	764	2816	1170	1646		04-84	1990
PEACH BOTTOM 3	764	2816	1212	1604		N/S	1991
PILGRIM 1	580	2320	1708	62(m)		N/S	1990

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

 * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY
 * WATER *
 * REACTORS * (a)

FACILITY *****	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
QUAD CITIES 1	724	3657	1730	1927		N/S	2003
QUAD CITIES 2	724	3897	412	3485		N/S	2003
SUSQUEHANNA 1	764	2840	0	2840		N/S	1997
VERMONT YANKEE 1	368	2000	1082	918		06-84	1992

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
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 N/S = Not Scheduled

(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

*****				*****				*****			
	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT		
* LICENSED *	9.67	08/01/74	ARKANSAS 1	5.26	12/26/78	ARKANSAS 2	7.80	06/14/76	BEAVER VALLEY 1		
* OPERATING *	21.31	12/08/62	BIG ROCK POINT 1	10.46	10/15/73	BROWNS FERRY 1	9.59	08/28/74	BROWNS FERRY 2		
* ELECTRICAL *	7.55	09/12/76	BROWNS FERRY 3	7.32	12/04/76	BRUNSWICK 1	8.93	04/29/75	BRUNSWICK 2		
* PRODUCING *	9.24	01/03/75	CALVERT CLIFFS 1	7.32	12/07/76	CALVERT CLIFFS 2	9.14	02/10/75	COOK 1		
* UNITS *	6.03	03/22/78	COOK 2	9.89	05/10/74	COOPER STATION	7.17	01/30/77	CRYSTAL RIVER 3		
*****	6.59	08/28/77	DAVIS-BESSE 1	13.97	04/13/70	DRESDEN 2	12.70	07/22/71	DRESDEN 3		
	9.87	05/19/74	DUANE ARNOLD	6.62	08/18/77	FARLEY 1	2.85	05/25/81	FARLEY 2		
	9.16	02/01/75	FITZPATRICK	10.60	08/25/73	FORT CALHOUN 1	7.30	12/11/76	FORT ST VRAIN		
	14.33	12/02/69	GINNA	16.65	08/07/67	HADDAM NECK	9.39	11/11/74	HATCH 1		
	5.52	09/22/78	HATCH 2	10.77	06/26/73	INDIAN POINT 2	7.93	04/27/76	INDIAN POINT 3		
	9.98	04/08/74	KEWAUNEE	15.93	04/26/68	LA CROSSE	1.57	09/04/82	LASALLE 1		
	11.39	11/08/72	MAINE YANKEE	2.75	06/30/81	MCGUIRE 1	.86	05/23/83	MCGUIRE 2		
	13.34	11/29/70	MILLSTONE 1	8.39	11/09/75	MILLSTONE 2	13.08	03/05/71	MONTICELLO		
	14.39	11/09/69	NINE MILE POINT 1	5.96	04/17/78	NORTH ANNA 1	3.60	08/25/80	NORTH ANNA 2		
	10.90	05/06/73	OCONEE 1	10.32	12/05/73	OCONEE 2	9.58	09/01/74	OCONEE 3		
	14.52	09/23/69	OYSTER CREEK 1	12.25	12/31/71	PALISADES	10.12	02/18/74	PEACH BOTTOM 2		
	9.58	09/01/74	PEACH BOTTOM 3	11.70	07/19/72	PILGRIM 1	13.40	11/06/70	POINT BEACH 1		
	11.66	08/02/72	POINT BEACH 2	10.32	12/04/73	PRAIRIE ISLAND 1	9.28	12/21/74	PRAIRIE ISLAND 2		
	11.97	04/12/72	QUAD CITIES 1	11.86	05/23/72	QUAD CITIES 2	9.47	10/13/74	RANCHO SECO 1		
	13.51	09/26/70	ROBINSON 2	7.27	12/25/76	SALEM 1	2.83	06/03/81	SALEM 2		
	16.71	07/16/67	SAN ONOFRE 1	1.53	09/20/82	SAN ONOFRE 2	.52	09/25/83	SAN ONOFRE 3		
	3.69	07/22/80	SEQUOYAH 1	2.27	12/23/81	SEQUOYAH 2	7.90	05/07/76	ST LUCIE 1		
	.80	06/13/83	ST LUCIE 2	1.37	11/16/82	SUMMER 1	11.74	07/04/72	SURRY 1		
	11.06	03/10/73	SURRY 2	1.37	11/16/82	SUSQUEHANNA 1	9.79	06/19/74	THREE MILE ISLAND 1		
	8.27	12/23/75	TROJAN	11.41	11/02/72	TURKEY POINT 3	10.78	06/21/73	TURKEY POINT 4		
	11.53	09/20/72	VERMONT YANKEE 1	23.39	11/10/60	YANKEE-ROWE 1	10.76	06/28/73	ZION 1		
	10.26	12/26/73	ZION 2								
TOTAL 727.93 YRS											

*****				*****				
	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT
* PERMANENTLY *	3.80	08/14/64	06/01/68	BONUS	3.04	12/18/63	01/01/67	CVTR
* OR *	18.54	04/15/60	10/31/78	DRESDEN 1	4.44	08/24/63	02/01/68	ELK RIVER
* INDEFINITELY *	6.32	08/05/66	11/29/72	FERMI 1	1.26	05/29/63	09/01/64	HALLAM
* SHUTDOWN *	13.21	04/18/63	07/02/76	HUMBOLDT BAY	12.12	09/16/62	10/31/74	INDIAN POINT 1
* UNITS *	1.19	07/25/66	10/01/67	PATHFINDER	7.76	01/27/67	11/01/74	PEACH BOTTOM 1
*****	2.16	11/04/63	01/01/66	PIQUA	.93	04/21/78	03/28/79	THREE MILE ISLAND 2
TOTAL 74.77 YRS								

The total reactor years of experience is as the sum of all calendar days for each unit, from the date that electricity was first generated until a final shutdown date or the status date, whichever comes first, divided by 365.25 days/year. If a date is unknown, the first day of the first month of operation is substituted. Units which have not yet generated electricity but which are licensed are listed but not included in the computation.

 * RESEARCH *
 * REACTORS *

NON - POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOJA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01	
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74	1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57	2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69	250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA ROLLA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
		UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	500.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.100
OREGON	CORVALLIS PORTLAND	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
		REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

 * RESEARCH *
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NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE DL ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
		UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG CHARLOTTESVILLE CHARLOTTESVILLE LYNCHBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
		UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
		UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
		BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN SEATTLE	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
		UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
***** * EXPERIMENTAL AND TEST REACTORS * *****							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0
***** * CRITICAL EXPERIMENT FACILITIES * *****							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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14. ABSTRACT (200 words or less)

The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.

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