

**NUREG-0020**  
**Vol. 8, No. 5**  
**May 1984**

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# **LICENSED OPERATING REACTORS**

**STATUS SUMMARY REPORT**  
**DATA AS OF 04-30-84**

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**UNITED STATES NUCLEAR REGULATORY COMMISSION**



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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 Resource Management publishes this month 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.

# T A B L E O F C O N T E N T S

	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	
Vendor Plot	1-6
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 2-344
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 M <sup>a</sup> )	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	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.  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.

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	NINE MILE POINT 1	2-176
ARKANSAS 2	2-006	NORTH ANNA 1	2-180
BEAVER VALLEY 1	2-010	NORTH ANNA 2	2-184
BIG ROCK POINT 1	2-014	OCONEE 1	2-188
BROWNS FERRY 1	2-018	OCONEE 2	2-192
BROWNS FERRY 2	2-026	OCONEE 3	2-196
BROWNS FERRY 3	2-032	OYSTER CREEK 1	2-200
BRUNSWICK 1	2-038	PALISADES	2-204
BRUNSWICK 2	2-042	PEACH BOTTOM 2	2-208
CALVERT CLIFFS 1	2-046	PEACH BOTTOM 3	2-212
CALVERT CLIFFS 2	2-050	PILGRIM 1	2-216
COOK 1	2-054	POINT BEACH 1	2-220
COOK 2	2-058	POINT BEACH 2	2-226
COOPER STATION	2-064	PRAIRIE ISLAND 1	2-230
CRYSTAL RIVER 3	2-068	PRAIRIE ISLAND 2	2-234
DAVIS-BESSE 1	2-074	QUAD CITIES 1	2-238
DRESDEN 2	2-080	QUAD CITIES 2	2-242
DRESDEN 3	2-084	RANCHO SECO 1	2-246
DUANE ARNOLD	2-088	ROBINSON 2	2-250
FARLEY 1	2-092	SALEM 1	2-254
FARLEY 2	2-096	SALEM 2	2-258
FITZPATRICK	2-100	SAN ONOFRE 1	2-262
FORT CALHOUN 1	2-104	SAN ONOFRE 2	2-266
FORT ST VRAIN	2-108	SAN ONOFRE 3	2-272
GINNA	2-112	SEQUOYAH 1	2-276
HADDAM NECK	2-116	SEQUOYAH 2	2-280
HATCH 1	2-120	ST LUCIE 1	2-284
HATCH 2	2-124	ST LUCIE 2	2-288
INDIAN POINT 2	2-128	SUMMER 1	2-292
INDIAN POINT 3	2-132	SURRY 1	2-296
KEWAUNEE	2-136	SURRY 2	2-300
LA CROSSE	2-140	SUSQUEHANNA 1	2-304
LASALLE 1	2-144	THREE MILE ISLAND 1	2-308
LASALLE 2	2-148	TROJAN	2-312
MAINE YANKEE	2-152	TURKEY POINT 3	2-318
MCGUIRE 1	2-156	TURKEY POINT 4	2-322
MCGUIRE 2	2-160	VERMONT YANKEE 1	2-326
MILLSTONE 1	2-164	YANKEE-ROWE 1	2-330
MILLSTONE 2	2-168	ZION 1	2-334
MONTICELLO	2-172	ZION 2	2-340

**SECTION 1**

**CURRENT  
DATA  
SUMMARIES**

-----  
 MONTHLY HIGHLIGHTS  
 -----

\*\*\*\*\* 79 IN COMMERCIAL OPERATION . . . . . 62,100 CAPACITY MWe (Net) --Based upon maximum dependable  
 \* LICENSED \* (a) 1 IN POWER ASCENSION. . . . . 1,036 capacity; design elec. rating  
 \* POWER \* used if MDC not determined  
 \* REACTORS \* (b) 80 LICENSED TO OPERATE . . . . . 63,136 TOTAL  
 \*\*\*\*\* (c) 4 LICENSED FOR FUEL LOADING  
 AND LOW POWER TESTING

MDC NET					
(a) LASALLE 2 ... 1078	(b) Excludes these plants licensed for operation which are shut down indefinitely	1. DRESDEN 1.....200	DER	(c) GRAND GULF 1 ... 06/16/82 ... 1250	DATE
		2. HUMBOLDT BAY...65		WASH. NUC. 2 ... 12/20/83 ... 1103	DER
		3. TMI 2.....906		SUSQUEHANNA 2 ... 03/23/84 ... 1052	
				DIABLO CANYON 1 .. 04/19/84 ... 1C84	

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
*****	1. GROSS ELECTRICAL (MWHE) . . . . .	25,065,880	28,071,040	111,094,938
* POWER *	2. NET ELECTRICAL (MWHE) . . . . .	23,299,880	26,819,143	105,474,362
* OPERATION *	3. AVG. UNIT SERVICE FACTOR (%) . . . . .	54.4	61.8	63.9
*****	4. AVG. UNIT AVAILABILITY FACTOR (%) . . . . .	54.4	61.8	63.9
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%) . . . . .	50.2	58.4	59.8
	6. AVG. UNIT CAPACITY FACTOR (DER) (%) . . . . .	49.0	56.9	58.3
	7. FORCED OUTAGE RATE (%) . . . . .	10.2	7.9	10.3

		25,065,880 NET	% OF POTENTIAL PRODUCTION
*****	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD. . . . .	25,065,880 NET	52.2
* ACTUAL VS. *	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET). . . . .	16,260,729 MWHe	36.4
* POTENTIAL *	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET) . . . . .	2,990,748 MWHe	6.7
* ENERGY *	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET) . . . . .	2,098,542 MWHe	4.7
* PRODUCTION *	POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)	44,649,900 MWHe	100.0% TOTAL
*****	5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES . . . . .	861,124 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 . . . . .	32	3,623.7	6.4	2,990,748
* OUTAGE *	2. SCHEDULED OUTAGES DURING REPORT PERIOD. . . . .	45	22,264.5	39.2	16,260,729
* DATA *		---	---	---	---
*****	TOTAL	77	25,888.2	45.6	19,251,478

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

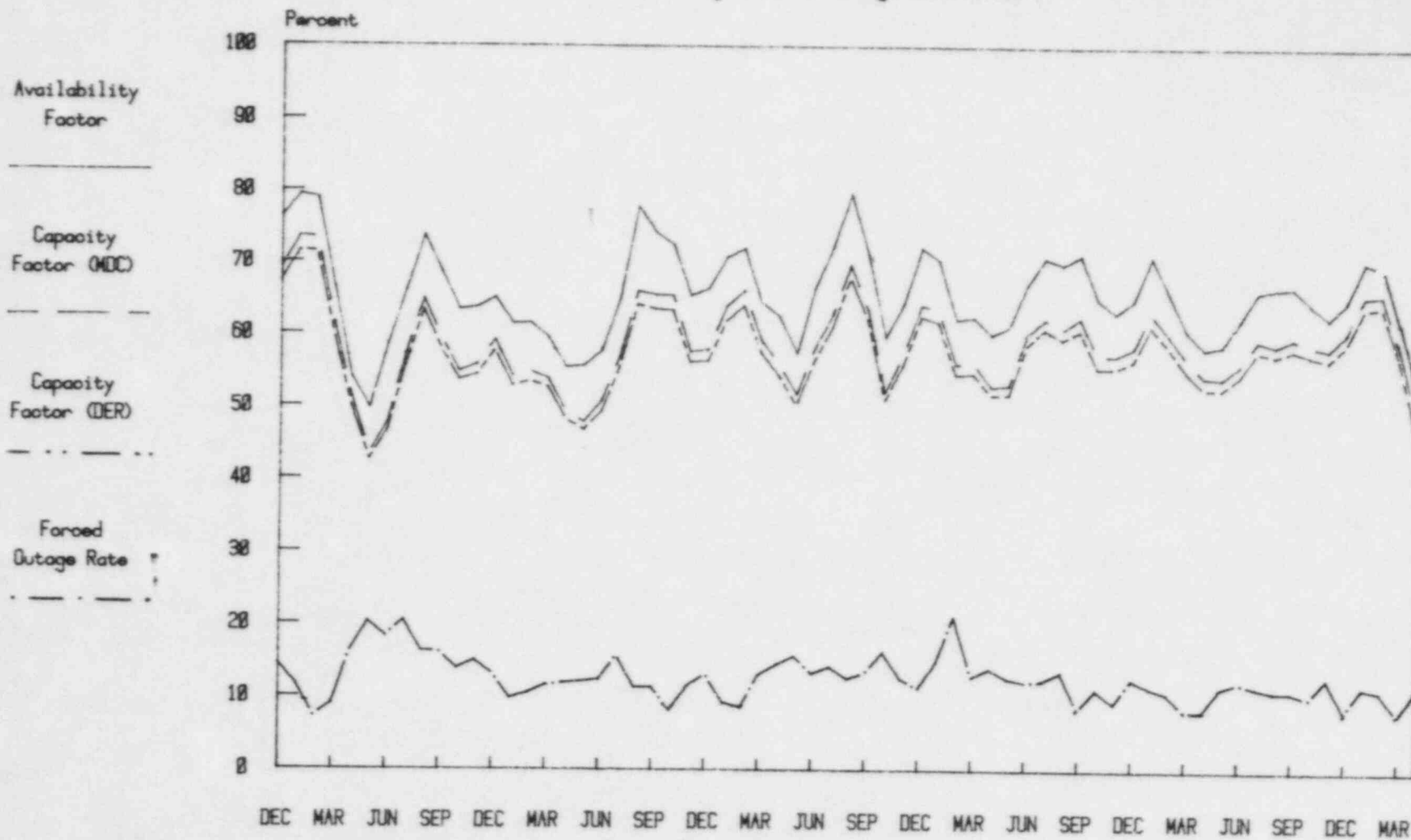
		NUMBER	HOURS LOST
*****	A - Equipment Failure . . . . .	27	3,199.4
* REASONS *	B - Maintenance or Test . . . . .	12	2,230.3
* FOR *	C - Refueling . . . . .	30	18,376.4
* SHUTDOWNS *	D - Regulatory Restriction. . . . .	2	1,110.2
*****	E - Operator Training & License Examination . . . . .	0	0.0
	F - Administrative. . . . .	0	0.0
	G - Operational Error . . . . .	4	64.1
	H - Other . . . . .	2	907.8
	TOTAL	77	25,888.2

\*\*\*\*\*  
 \* DERATED \* FORT ST VRAIN MDC (MWe Net) 330 POWER LIMIT (MWe Net) 280 TYPE NRC Restriction

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
* SHUTDOWNS *	B	BROWNS FERRY 3	C	BRUNSWICK 1	H	BRUNSWICK 2	C
* GREATER *	C	COOK 1	A	COOK 2	C	COOPER STATION	B
* THAN 72 HRS *	A,A	DRESDEN 3	C	DUANE ARNOLD	A	FARLEY 1	C
* EACH *	C	FORT ST VRAIN	C	GINNA	C	HATCH 2	H
*****	C	LA CROSSE	A,A	MAINE YANKEE	C	MCGUIRE 1	C
	C	MONTICELLO	C	NINE MILE POINT 1	C	NORTH ANNA 2	B
	C	OYSTER CREEK 1	C	PALISADES	C	PILGRIM 1	C
	C	QUAD CITIES 1	C	QUAD CITIES 2	B	RANCHO SECO 1	A
	C	SALEM 1	C	SALEM 2	A,A	SAN ONOFRE 1	B
	A,C	ST LUCIE 1	C	SUMMER 1	A,B	SURRY 1	D
	A	THREE MILE ISLAND 1	D	TROJAN	C	TURKEY POINT 3	B
	C	YANKEE-ROWE 1	C	ZION 2	C		

# Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 84-38-84



Dec 1978 - Apr 1984

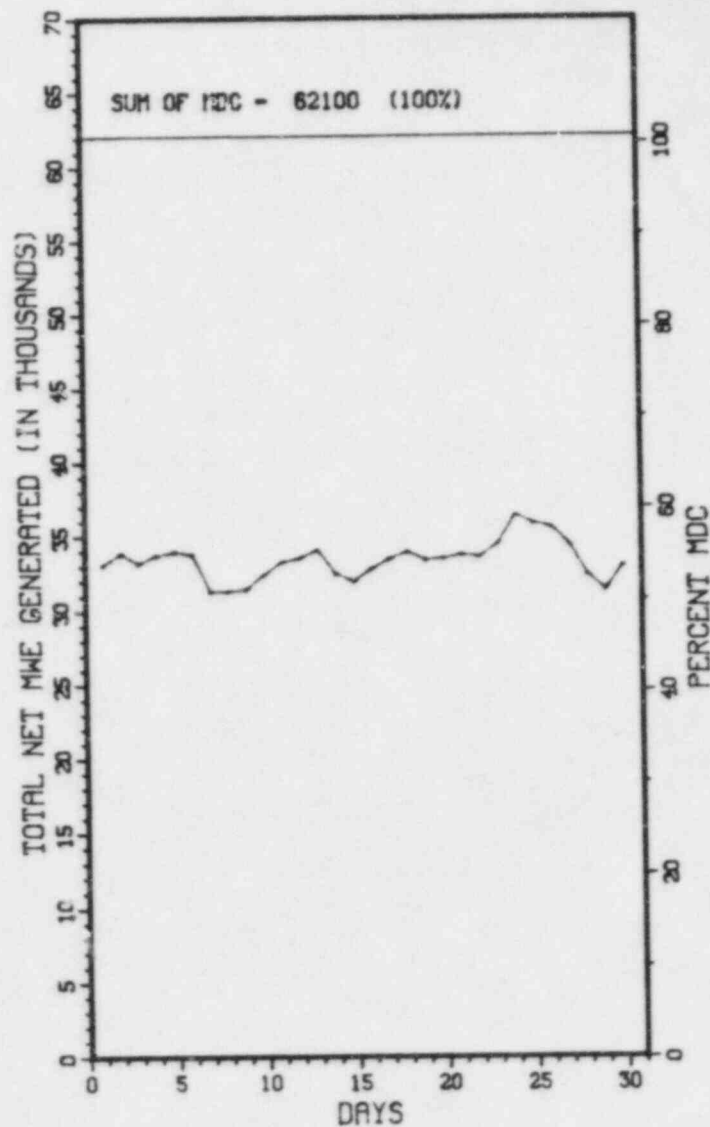
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIAALLY OPERATING UNITS

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.

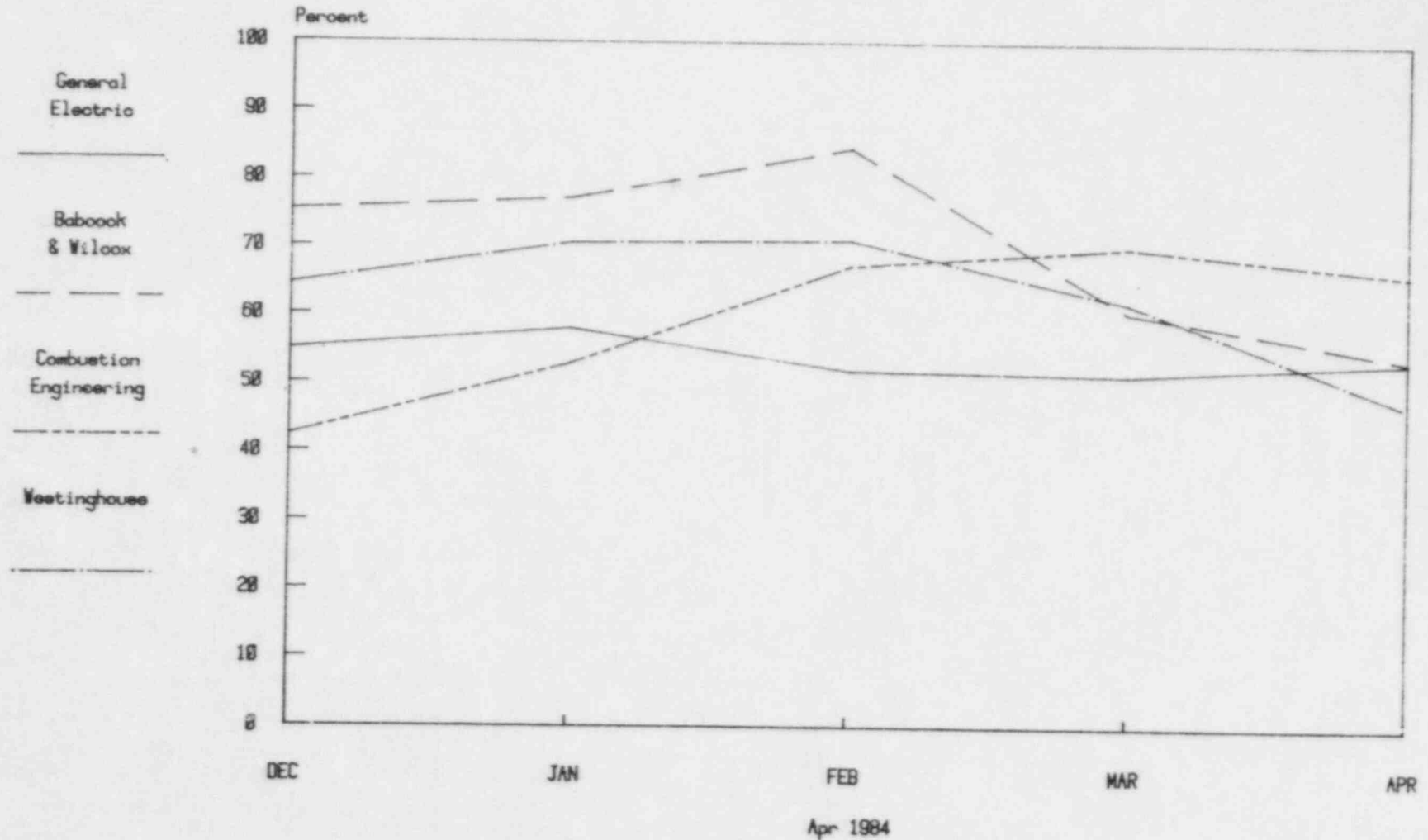


APRIL, 1984



# Vendor Average Capacity Factors

As of 04-30-84



Apr 1984

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 APR 1984

AVERAGE CAPACITY FACTORS BY VENDORS

***** CFMDC	CFMDC	CFMDC	CFMDC
* GENERAL * 98.5 BROWNS FERRY 1	58.9 BROWNS FERRY 2	0.0 BROWNS FERRY 3	69.7 BRUNSWICK 1
* ELECTRIC * 0.0 BRUNSWICK 2	45.9 COOPER STATION	98.7 DRESDEN 2	0.0 DRESDEN 3
***** 41.3 DUANE ARNOLD	96.5 FITZPATRICK	96.2 HATCH 1	0.0 HATCH 2
85.6 LASALLE 1	40.7 MILLSTONE 1	0.0 MONTICELLO	0.0 NINE MILE POINT 1
0.0 OYSTER CREEK 1	78.3 PEACH BOTTOM 2	102.7 PEACH BOTTOM 3	0.0 PILGRIM 1
0.0 QUAD CITIES 1	87.3 QUAD CITIES 2	97.0 SUSQUEHANNA 1	95.4 VERMONT YANKEE 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 54.8 ARKANSAS 1	63.1 CRYSTAL RIVER 3	92.1 DAVIS-BESSE 1	100.8 OCONEE 1
* WILCOX * 98.8 OCONEE 2	0.0 OCONEE 3	14.2 RANCHO SECO 1	0.0 THREE MILE ISLAND 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 104.2 ARKANSAS 2	106.5 CALVERT CLIFFS 1	58.4 CALVERT CLIFFS 2	0.0 FORT CALHOUN 1
* ENGINEERING * 0.0 MAINE YANKEE	98.8 MILLSTONE 2	0.0 PALISADES	100.9 SAN ONOFRE 2
***** 89.3 SAN ONOFRE 3	0.0 ST LUCIE 1	102.7 ST LUCIE 2	
***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE* 94.7 BEAVER VALLEY 1	79.7 COOK 1	0.0 COOK 2	3.4 FARLEY 1
***** 97.2 FARLEY 2	0.0 GINNA	101.5 HADDAM NECK	0.1 INDIAN POINT 2
98.6 INDIAN POINT 3	0.0 KEWAUNEE	0.0 MCGUIRE 1	93.6 MCGUIRE 2
100.6 NORTH ANNA 1	60.5 NORTH ANNA 2	64.9 POINT BEACH 1	96.5 POINT BEACH 2
101.4 PRAIRIE ISLAND 1	98.8 PRAIRIE ISLAND 2	0.0 ROBINSON 2	0.0 SALEM 1
14.8 SALEM 2	0.0 SAN ONOFRE 1	0.9 SEQUOYAH 1	98.3 SEQUOYAH 2
4.2 SUMMER 1	41.8 SURRY 1	34.1 SURRY 2	77.6 TROJAN
83.9 TURKEY POINT 3	0.0 TURKEY POINT 4	0.0 YANKEE-ROWE 1	89.5 ZION 1
0.0 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.....	7,380,867	8,977,606	4,275,134	2,603,041	15,855,781
MDC NET.....	19,226	26,663	9,009	6,760	42,432
CFMDC.....	53.4	46.8	66.0	53.6	52.0

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

ERRATA CORRECTIONS TO PREVIOUSLY REPORTED DATA
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NOTE: THESE CHANGES ARE REFLECTED IN THE DATA CONTAINED IN THE CURRENT REPORT

Report Month - March 1984

<u>Vol. 8, No. 4</u>	<u>REVISED MONTHLY HIGHLIGHTS</u>
Gross Elec.	28,071,040
Net Elec.	26,819,143
Unit Serv.	61.8
Unit Avail.	61.8
Cap. Fac. (MDC)	58.4
Cap. Fac. (DER)	56.9
F. Outage Rate	7.9

GINNA STATION - Docket 05000244

Net Electrical            19,863

**SECTION 2**

**OPERATING  
POWER  
REACTORS**

1. Docket: 50-313                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>82,098.0</u>
13. Hours Reactor Critical	<u>449.7</u>	<u>2,272.4</u>	<u>54,707.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>431.9</u>	<u>2,254.6</u>	<u>53,504.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,037,261</u>	<u>5,486,913</u>	<u>127,407,210</u>
18. Gross Elec Ener (MWH)	<u>344,645</u>	<u>1,837,690</u>	<u>41,976,055</u>
19. Net Elec Ener (MWH)	<u>329,330</u>	<u>1,760,041</u>	<u>40,018,428</u>
20. Unit Service Factor	<u>60.1</u>	<u>77.7</u>	<u>65.2</u>
21. Unit Avail Factor	<u>60.1</u>	<u>77.7</u>	<u>66.2</u>
22. Unit Cap Factor (MDC Net)	<u>54.8</u>	<u>72.5</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>53.9</u>	<u>71.3</u>	<u>57.3</u>
24. Unit Forced Outage Rate	<u>3.3</u>	<u>.7</u>	<u>16.0</u>
25. Forced Outage Hours	<u>14.8</u>	<u>14.8</u>	<u>10,192.9</u>

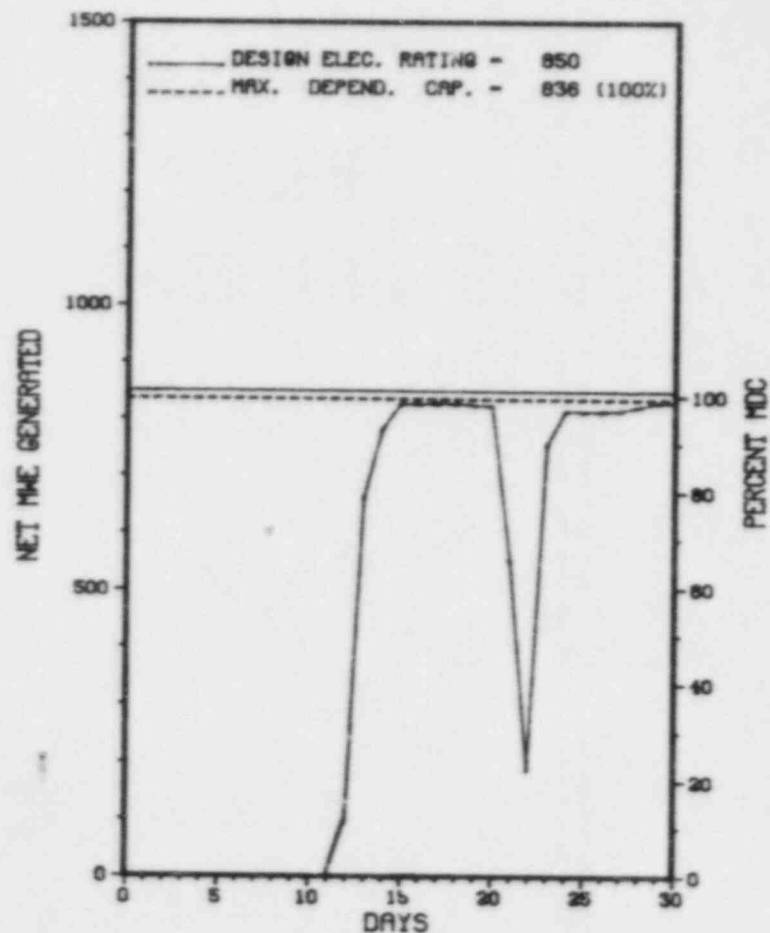
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
X                      ARKANSAS 1                      X  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



APRIL 1984

Report Period APR 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	272.3	B	4	84-3879	CC	HTEXCH	PLANNED SHUTDOWN FOR MID-CYCLE STEAM GENERATOR INSPECTION. A NORMAL POWER REDUCTION WAS IN PROGRESS WHEN A TRIP FROM 17% POWER OCCURRED DUE TO LOSS OF BOTH MAIN FEEDWATER PUMPS.
84-02	04/21/84	F	14.8	G	3		SJ	PUMPXX	UNIT TRIPPED WHEN I&C TECHNICIAN INADVERTENTLY ACTUATED THE AXIAL THRUST TRIP ON THE "A" MAIN FEEDWATER PUMP, CAUSING A LOSS OF FEEDWATER AND A REACTOR TRIP ON HIGH RCS PRESSURE. THE UNIT WAS PLACED BACK ON LINE APPROXIMATELY 15 HOURS LATER.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 ARKANSAS 1 RETURNED ONLINE APRIL 12TH FROM REPAIR OUTAGES 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)

\*\*\*\*\*  
X ARKANSAS 1 X  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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...AUGUST 6, 1974  
  
DATE ELEC EMER 1ST GENER...AUGUST 17, 1974  
  
DATE COMMERCIAL OPERATE...DECEMBER 19, 1974  
  
CONDENSER COOLING METHOD...ONCE THRU  
  
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.....BECTEL  
  
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX  
  
CONSTRUCTOR.....BECTEL  
  
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV  
  
IE RESIDENT INSPECTOR.....B. JOHNSON  
  
LICENSING PROJ MANAGER.....G. VISSING  
DOCKET NUMBER.....50-313  
  
LICENSE & DATE ISSUANCE...DPR-51, MAY 21, 1974  
  
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 FEBRUARY 1-29, 1984 (84-07): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONNAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND QUALITY ASSURANCE PROGRAM REVIEW. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW QUALITY ASSURANCE ADMINISTRATIVE PROCEDURES).

INSPECTION CONDUCTED MARCH 1-31, 1984 (84-10): ROUTINE ANNOUNCED INSPECTION OF MAINTENANCE AND OPERATIONAL SAFETY VERIFICATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 30, 1984 (84-14): UNANNOUNCED, REACTIVE INSPECTION OF AN ALLEGATION CONCERNING THE UNIFORMITY IN APPLICATION OF FITNESS FOR DUTY PROCEDURES OF THE SITE SECURITY ORGANIZATION AS APPLIED TO GUARDS. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE ALLEGATION WAS NOT SUBSTANTIATED.

ENFORCEMENT SUMMARY

CONTRARY TO QUALITY ASSURANCE ADMINISTRATIVE PROCEDURE, QAA-6, "QUALITY ASSURANCE AUDITS", REVISION 1, FOUR AUDIT MODULES (QAP-11, QAP-23, QAP-7, AND QAP-19) PERFORMED DURING 1983 WERE DELAYED BY MORE THAN ONE MONTH WITHOUT APPROVAL OF THE QUALITY ASSURANCE MANAGER. CONTRARY TO QUALITY ASSURANCE ADMINISTRATIVE PROCEDURE, QAA-6, "QUALITY ASSURANCE AUDITS", REVISION 1, FOUR AUDIT MODULES (QAP-11, QAP-23, QAP-7, AND QAP-19) PERFORMED DURING 1983 WERE DELAYED BY MORE THAN ONE MONTH WITHOUT APPROVAL OF THE QUALITY ASSURANCE MANAGER.





1. Docket: 50-368 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>35,927.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,230.2</u>	<u>23,902.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,091.0</u>	<u>23,041.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,998,149</u>	<u>5,011,579</u>	<u>57,561,519</u>
18. Gross Elec Ener (MWH)	<u>671,350</u>	<u>1,670,090</u>	<u>18,687,041</u>
19. Net Elec Ener (MWH)	<u>642,604</u>	<u>1,589,645</u>	<u>17,795,989</u>
20. Unit Service Factor	<u>100.0</u>	<u>72.0</u>	<u>64.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>72.0</u>	<u>64.3</u>
22. Unit Cap Factor (MDC Net)	<u>104.2</u>	<u>63.8</u>	<u>57.7</u>
23. Unit Cap Factor (DER Net)	<u>98.0</u>	<u>60.0</u>	<u>54.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.8</u>	<u>19.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>60.8</u>	<u>5,439.3</u>

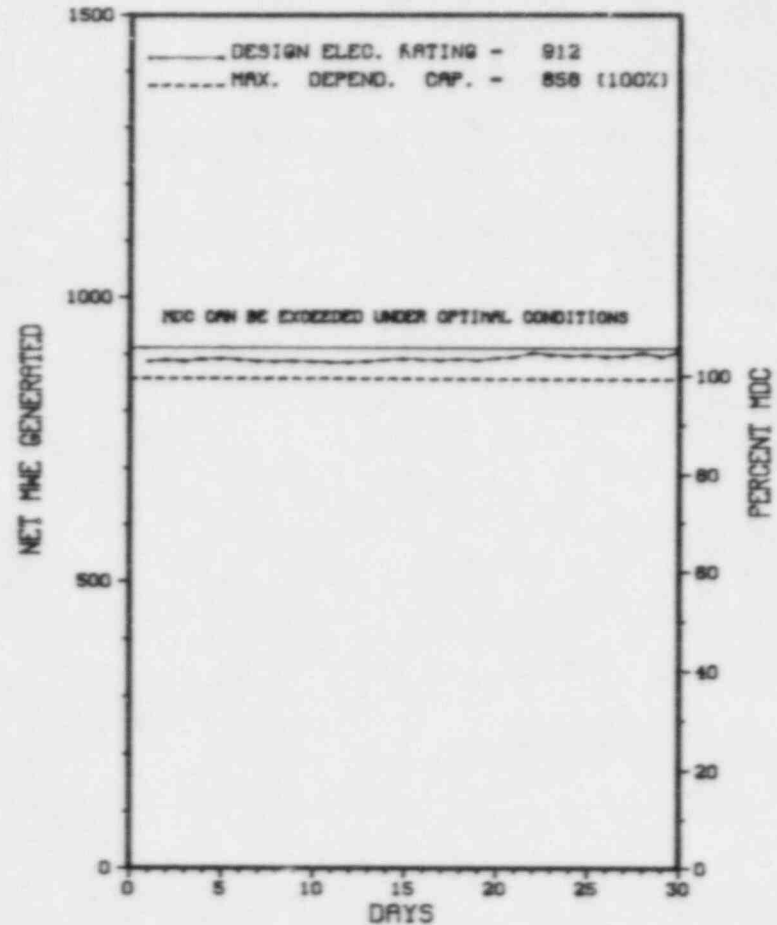
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* ARKANSAS 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

## ARKANSAS 2



APRIL 1984

\*\*\*\*\*  
 M ARKANSAS 2  
 \*\*\*\*\*

UNIT SHUTDOWNS / REDUCTIONS

Report Period APR 1984

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

NONE

ARKANSAS 2 OPERATED AT FULL POWER DURING APRIL.

\*\*\*\*\*  
 M SUMMARY M  
 \*\*\*\*\*

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
	F-Admin	9-Other	(LER) File (NOREG-8161)
	G-Oper Error		
	H-Other		

\*\*\*\*\*  
\* ARKANSAS 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION  
STATE.....ARKANSAS  
COUNTY.....POPE  
DIST AND DIRECTION FROM  
NEAREST POPULATION CTR....6 MI WNW OF  
RUSSELLVILLE, AR

UTILITY  
LICENSEE.....ARKANSAS POWER & LIGHT  
CORPORATE ADDRESS.....NINTH & LOUISIANA STREETS  
LITTLE ROCK, ARKANSAS 72203  
CONTRACTOR  
ARCHITECT/ENGINEER.....BECHTEL

TYPE OF REACTOR.....PWR  
DATE INITIAL CRITICALITY....DECEMBER 5, 1978  
DATE ELEC EMER 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

MUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING  
CONSTRUCTOR.....BECHTEL  
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV  
IE RESIDENT INSPECTOR.....P. HARRELL  
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 FEBRUARY 1-29, 1984 (84-077): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, STARTUP TESTING AFTER REFUELING, AND QUALITY ASSURANCE PROGRAM REVIEW. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW QUALITY ASSURANCE ADMINISTRATIVE PROCEDURES).  
INSPECTION CONDUCTED MARCH 1-31, 1984 (84-08): ROUTINE ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION AND MAINTENANCE. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.  
INSPECTION CONDUCTED MARCH 30, 1984 (84-14): UNANNOUNCED, REACTIVE INSPECTION OF AN ALLEGATION CONCERNING THE UNIFORMITY IN APPLICATION OF FITNESS FOR DUTY PROCEDURES OF THE SITE SECURITY ORGANIZATION AS APPLIED TO GUARDS. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE ALLEGATION WAS NOT SUBSTANTIATED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS



1. Docket: 50-334 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: J. L. HOLTZ (412) 643-1369

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>719.0</u>	<u>2,903.0</u>	<u>70,127.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,704.7</u>	<u>33,588.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>703.9</u>	<u>2,541.4</u>	<u>32,320.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,815,222</u>	<u>6,442,152</u>	<u>74,031,684</u>
18. Gross Elec Ener (MWH)	<u>587,000</u>	<u>2,087,500</u>	<u>23,516,440</u>
19. Net Elec Ener (MWH)	<u>551,750</u>	<u>1,972,165</u>	<u>21,860,963</u>
20. Unit Service Factor	<u>97.9</u>	<u>87.5</u>	<u>48.3</u>
21. Unit Avail Factor	<u>97.9</u>	<u>87.5</u>	<u>48.3</u>
22. Unit Cap Factor (MDC Net)	<u>94.7</u>	<u>83.9</u>	<u>42.0</u>
23. Unit Cap Factor (DER Net)	<u>91.9</u>	<u>81.4</u>	<u>40.7</u>
24. Unit Forced Outage Rate	<u>2.1</u>	<u>3.9</u>	<u>29.3</u>
25. Forced Outage Hours	<u>15.1</u>	<u>103.0</u>	<u>17,780.1</u>

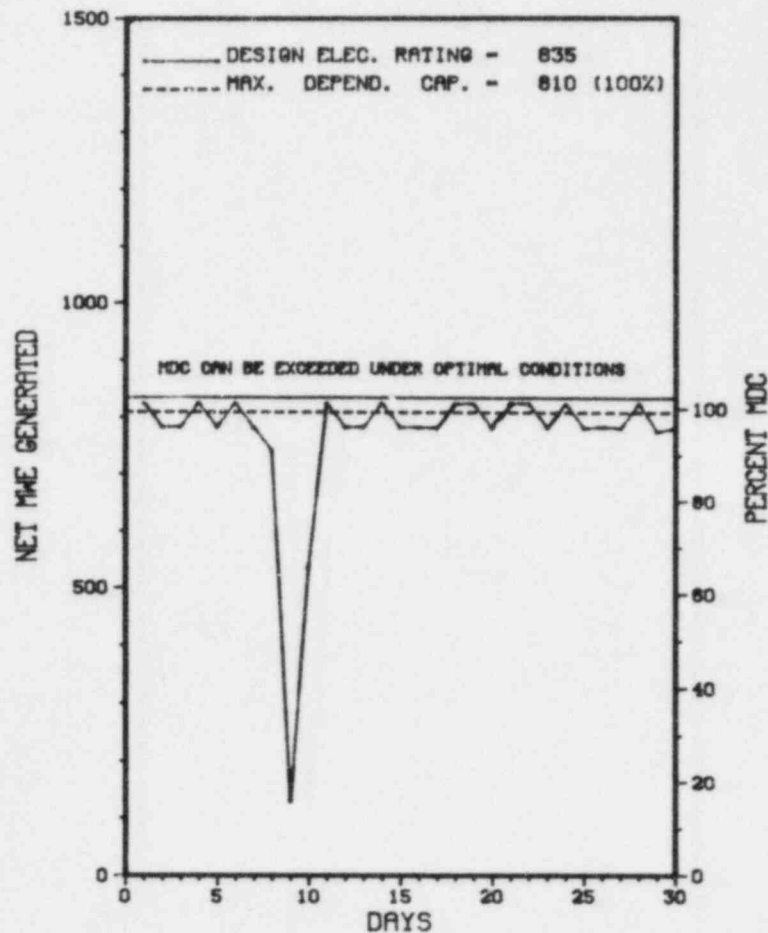
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* BEAVER VALLEY 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
# BEAVER VALLEY 1 #  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	04/09/84	F	15.1	A	1		HF	HTEXCH	A TUBE LEAK IN THE MAIN CONDENSER'S 1A WATERBOX WAS DISCOVERED AT 0537 HOURS. THE STATION WAS TAKEN OFFLINE AT 0715 HOURS DUE TO HIGH CATION CONDUCTIVITY IN THE STEAM GENERATORS. THE 1A WATERBOX WAS ISOLATED AND THE MAIN UNIT GENERATOR WAS SYNCHRONIZED TO THE GRID AT 2220 HOURS.

\*\*\*\*\* BEAVER VALLEY 1 OPERATED WITH 1 REPAIR OUTAGE DURING THE APRIL REPORT PERIOD.  
\* 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)





Report Period APR 1984

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

\*\*\*\*\*  
\*            BEAVER VALLEY 1            \*  
\*\*\*\*\*

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
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NO INPUT PROVIDED.

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1. Docket: 50-155                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: LINDA BALCH (616) 547-6537

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>719.0</u>	<u>2,903.0</u>	<u>184,890.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,554.2</u>	<u>130,264.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,513.7</u>	<u>127,806.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>139,857</u>	<u>479,013</u>	<u>23,964,904</u>
18. Gross Elec Ener (MWH)	<u>45,165</u>	<u>155,802</u>	<u>7,571,411</u>
19. Net Elec Ener (MWH)	<u>42,660</u>	<u>146,990</u>	<u>7,159,202</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.6</u>	<u>69.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.6</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>92.7</u>	<u>79.1</u>	<u>57.7*</u>
23. Unit Cap Factor (DER Net)	<u>82.4</u>	<u>70.3</u>	<u>53.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.4</u>	<u>16.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>389.3</u>	<u>10,289.6</u>

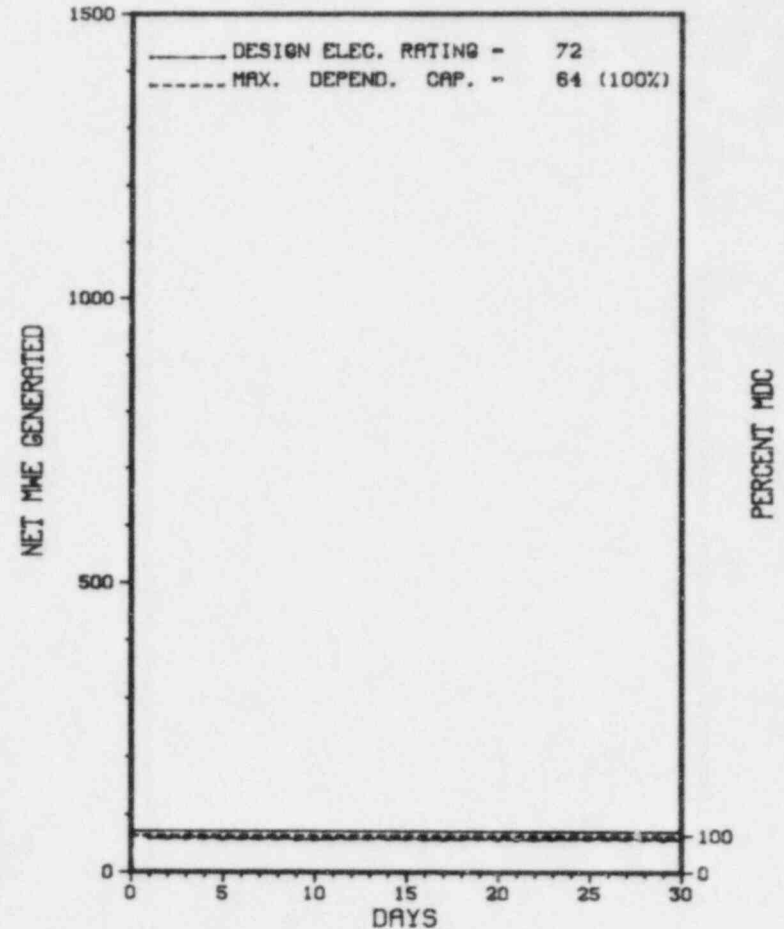
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

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\*                      BIG ROCK POINT 1                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* BIG ROCK POINT 1 \*  
\*\*\*\*\*

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

NONE

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
BIG ROCK POINT 1 OPERATED AT NEAR FULL POWER DURING APRIL.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System &amp; 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
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training		
	& License Examination		

\*\*\*\*\*  
\* BIG ROCK POINT 1 \*  
\*\*\*\*\*

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

Report Period APR 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

INSPECTION ON FEBRUARY 1 - MARCH 16, (84-01): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE, SURVEILLANCE; BULLETINS AND CIRCULARS; DETECTION AIDS; AND OPERATIONAL EVENTS. THE INSPECTION INVOLVED A TOTAL OF 185 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS AND 10 INSPECTOR-HOURS OFFSITE BY ONE REGIONAL INSPECTOR. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period APR 1984

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

\*\*\*\*\*  
\*                   BIG ROCK POINT 1                   \*  
\*\*\*\*\*

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE			

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1. Docket: 50-259 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>85,465.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,661.2</u>	<u>52,467.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>225.3</u>	<u>6,009.9</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,574.6</u>	<u>51,292.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,294,374</u>	<u>7,562,932</u>	<u>146,120,611</u>
18. Gross Elec Ener (MWH)	<u>772,400</u>	<u>2,546,080</u>	<u>48,191,700</u>
19. Net Elec Ener (MWH)	<u>754,120</u>	<u>2,481,136</u>	<u>46,806,463</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.7</u>	<u>60.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.7</u>	<u>60.0</u>
22. Unit Cap Factor (MDC Net)	<u>98.5</u>	<u>80.3</u>	<u>51.4</u>
23. Unit Cap Factor (DER Net)	<u>98.5</u>	<u>80.3</u>	<u>51.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.3</u>	<u>23.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>296.6</u>	<u>15,521.3</u>

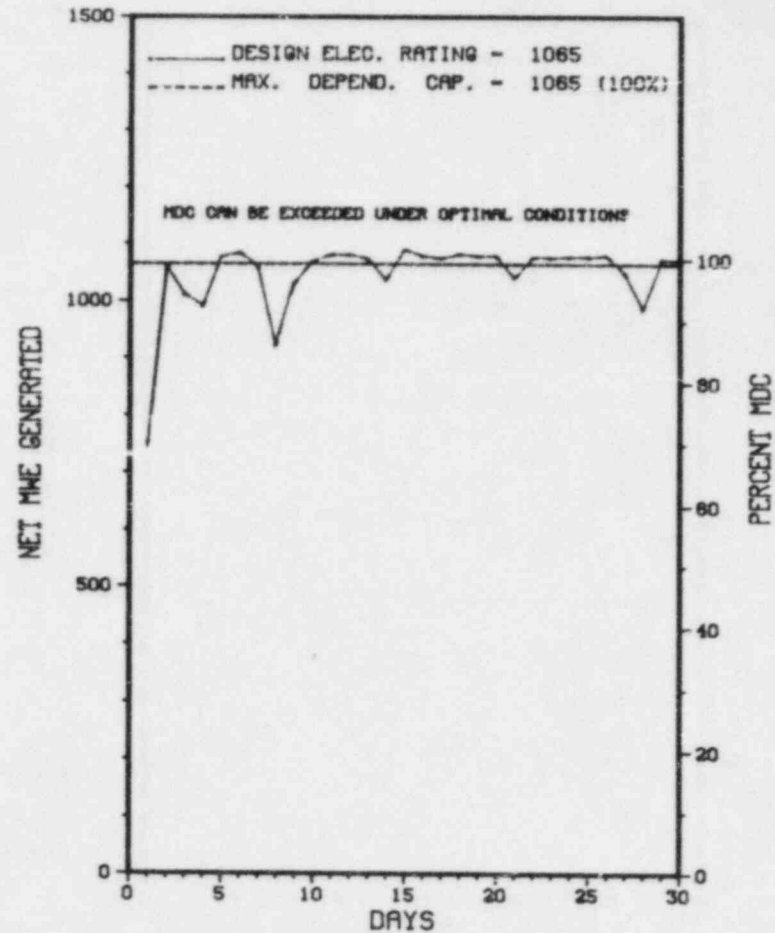
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

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\* BROWNS FERRY 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* BROWNS FERRY 1 \*  
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
277	04/01/84	S	0.0	B	5				DERATED FOR CONTROL ROD SEQUENCE EXCHANGE.
278	04/03/84	F	0.0	B	5				DERATED FOR "C" REACTOR FEEDWATER PUMP MAINTENANCE AND CONTROL ROD PATTERN ADJUSTMENT.
279	04/08/84	F	0.0	B	5				DERATED FOR MAINTENANCE ON "B" REACTOR FEEDWATER PUMP.
280	04/28/84	S	0.0	B	5				DERATED FOR TURBINE CONTROL VALVE TESTS, SI'S, AND CONTROL ROD PATTERN ADJUSTMENT.

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 \* SUMMARY \*  
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 BROWNS FERRY 1 OPERATED WITH 4 REDUCTIONS AND NO OUTAGES 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)





ENFORCEMENT SUMMARY

(8351 3)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND PROCEDURES. THE PLANT CLEARANCE PROCEDURE (STANDARD PRACTICE 14.25) FOR TAGOUT OF EQUIPMENT SPECIFIES REQUIREMENTS TO BE FOLLOWED IN PLACING EQUIPMENT IN AND OUT OF SERVICE. CONTRARY TO THE ABOVE, THE REQUIREMENTS OF BF 14.25 WERE NOT MET IN THAT TAGOUT CLEARANCE PROCEDURES WERE NOT FOLLOWED FOR PLACING THE ROOT VALVE FOR PRESSURE TRANSMITTER 64-137 AND 64-138 BACK IN SERVICE ON OCTOBER 18, 1983, ON CLEARANCE 83-1232. THE OPERATOR ASSIGNED TO RETURN THE SYSTEM TO SERVICE DID NOT PLACE THE VALVE IN THE OPEN POSITION AND DID NOT REMOVE THE TAG ATTACHED TO THE VALVE. THIS RESULTED IN THE DRYWELL TO TORUS INSTRUMENTATION BEING OUT OF SERVICE DURING POWER OPERATION. ADDITIONAL THE VALVE WAS NOT VERIFIED OPEN DURING PRE-STARTUP VALVE LINEUPS. THE VALVE WAS FOUND MISPOSITIONED 5 DAYS AFTER UNIT START DURING A ROUTINE SURVEILLANCE. 10 CFR 50, APPENDIX B, CRITERION X REQUIRES THAT A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY SHALL BE ESTABLISHED AND EXECUTED BY OR FOR THE ORGANIZATION PERFORMING THE ACTIVITY TO VERIFY CONFORMANCE WITH THE DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS FOR ACCOMPLISHING THE ACTIVITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT PRIOR TO UNIT 1 STARTUP NUMEROUS WORK ACTIVITIES WERE NOT ADEQUATELY INSPECTED TO INSURE PROPER MATERIAL CONDITIONS. STANDARD PRACTICE BF 12.18, UNIT PRESTARTUP REVIEW, WAS INADEQUATELY PERFORMED IN THAT COMPLETED MAINTENANCE WAS NOT VERIFIED COMPLETED. EXAMPLES OF THE ABOVE ARE AS FOLLOWS: (1) CONTAINMENT ATMOSPHERIC DILUTION VALVES 84-8A/D SUPPORT MISSING; (2) AIR SOLENOID VALVES TO BOTH REACTOR BUILDING TO TORUS VACUUM BREAKERS NOT BOLTED DOWN; (3) TORUS ISOLATION VALVE FOR LEVEL TRANSMITTER 64-159B MISSING A BODY-TO-BONNET RETAINING NUT; (4) CONDUIT FOR CORE SPRAY PUMP MOTOR LEADS '1D' NOT SUPPORTED; (5) RESIDUAL HEAT REMOVAL PUMP 'B' AND 'D' AREA NOT ADEQUATELY CLEANED; (6) POWER LEADS TO CORE SPRAY MOTOR OPERATED VALVE 75-30 CONDUIT SUPPORT BRACKETS MISSING; (7) CONDENSATE TRANSFER PIPING, UNIT 1 REACTOR BUILDING (SOUTHEND, ELEVATION 565 FT.), CABLE SUPPORT BROKEN; (8) VARIOUS VALVE PACKING GLAND RETAINERS/LOCK NUTS NOT INSTALLED OR SECURED. EXAMPLES: 0-85-502, 1-77-661, VENT VALVE FOR PRESSURE INDICATOR 85-2, INSTRUMENT VALVES FOR LEVEL TRANSMITTER 64-159B, 64-159A; (9) SEVERAL RESISTANCE DETECTOR CONNECTING WIRES PULLED FROM CONDUIT CABLES FOR TORUS TEMPERATURE MONITORING; (10) SEVERAL ELECTRICAL CONDUITS ON HIGH PRESSURE COOLANT INJECTION SYSTEM NOT MOUNTED TO SUPPORT BRACKETS; (11) UNIT 2 RCIC STEAM SUPPLY LINE TRAP HAD DAMAGED CONDUITS DUE TO OVERHEATING; (12) RHR PUMP 2D INSTRUMENT LINE NOT MOUNTED. TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES BE PREPARED, APPROVED AND ADHERED TO RELATED TO PLANT STARTUP AND OPERATION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT: (A) OPERATING INSTRUCTION 64 (PRIMARY CONTAINMENT SYSTEM STARTUP CHECKLISTS AND VALVE LINEUPS) WAS FOUND TO BE INADEQUATE SINCE IT DOES NOT INCLUDE THE INSTRUMENT ISOLATION VALVES FOR THE DRYWELL AND TORUS PRESSURE SENSING LINES CONNECTED TO PRESSURE TRANSMITTERS PDT 64-137 AND PDT 64-138. FAILURE TO HAVE ONE OF THESE VALVES IN SERVICE RESULTED IN BOTH OF THE DRYWELL TO TORUS DIFFERENTIAL PRESSURE INSTRUMENTS BEING OUT OF SERVICE DURING POWER OPERATION. (B) GENERAL OPERATING INSTRUCTION 100-1 (PRE-STARTUP CHECKLISTS) REQUIRED THAT ALL CHART RECORDERS ON PANEL 9-3 BE PLACED IN SERVICE PRIOR TO STARTUP OF UNIT 1 ON DECEMBER 29, 1983. THE RECORDER'S TORUS PRESSURE INDICATING CIRCUIT REMAINED DEENERGIZED UNTIL JANUARY 10, 1984. TECHNICAL SPECIFICATION 3.6.B.3 REQUIRES THAT AT STEAMING RATES GREATER THAN 100,000 LB/HR., THE REACTOR WATER QUALITY CHLORIDE MAXIMUM LIMIT OF 0.5 PPM SHALL NOT BE EXCEEDED. EXCEEDING THIS LIMIT SHALL BE CAUSE FOR PLACING THE REACTOR IN THE COLD SHUTDOWN CONDITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT REACTOR WATER QUALITY CHLORIDE EXCEEDED 0.5 PPM FROM 0320 A.M. TO 11:40 A.M. ON DECEMBER 31, 1983, WITHOUT ANY ACTION BEING TAKEN TO COMMENCE AN ORDERLY SHUTDOWN. AN ORDERLY SHUTDOWN WAS INITIATED AT 12:20 P.M., DECEMBER 31, 1983, DUE TO WATER QUALITY BEING OUT OF SPECIFICATION AND POSSIBLE RESIN INTRUSION. OPERATIONAL SUPERVISORY PERSONNEL WERE NOT MADE AWARE OF THE CHLORIDE OUT OF SPECIFICATION CONDITION UNTIL 11:05 A.M., DECEMBER 31, 1983. AN ORDERLY SHUTDOWN WAS TERMINATED AT 2:35 P.M. AFTER CHLORIDE CONCENTRATION WAS CONFIRMED TO BE WITHIN SPECIFICATION AND THE SUSPECTED SOURCE ISOLATED.

(8360 4)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MECHANICAL INSTRUMENTS AND CONTROLS DRAWING 47W600-133 INCORRECTLY SHOWED THE INSTRUMENT LINES BETWEEN THE DRYWELL AND TORUS TO TRANSMITTERS PT-64-135 AND PDT-64-137. THESE LINES WERE FOUND REVERSED FROM THE DRAWING INDICATION DURING A RESIDENT INSPECTOR WALKDOWN OF THE SYSTEM. SYSTEM OPERATION WAS NOT IMPAIRED AS THE INSTALLATION WAS CORRECT WITH ONLY THE DRAWING IN ERROR.

(8360 5)

TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES THAT DETAILED RADIATION CONTROL PROCEDURES SHALL BE PREPARED, APPROVED AND ADHERED TO.





Report Period APR 1984

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

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\*                    BROWNS FERRY 1                    \*  
\*\*\*\*\*

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION. +

LAST IE SITE INSPECTION DATE: MARCH 26 - 29, 1984 +

INSPECTION REPORT NO: 50-259/84-11 +

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
84-016/ - -	02/29/84	03/23/84	UNIT 1 SCRAMMED BECAUSE OF VIBRATION INDUCED BY ELECTRICIANS.
84-017/ - -	03/13/84	04/06/84	ROUTINE FUNCTIONAL CHECK FOR RADIATION MONITOR RM-90-259 WAS NOT PERFORMED WITHIN SCHEDULE, DUE TO PERSONNEL ERROR.
84-018/ - -	03/20/84	04/03/84	INBOARD VALVE WAS CYCLED SUCCESSFULLY AND MET ALL STROKE TIME REQUIREMENTS.

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1. Docket: 50-260                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>80,376.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,612.8</u>	<u>52,576.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>290.2</u>	<u>14,190.5</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,568.2</u>	<u>51,061.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,452,694</u>	<u>6,487,222</u>	<u>146,632,267</u>
18. Gross Elec Ener (MWH)	<u>461,900</u>	<u>2,113,070</u>	<u>48,710,358</u>
19. Net Elec Ener (MWH)	<u>450,808</u>	<u>2,056,996</u>	<u>47,315,599</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.5</u>	<u>63.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.5</u>	<u>63.5</u>
22. Unit Cap Factor (MDC Net)	<u>58.9</u>	<u>66.5</u>	<u>55.3</u>
23. Unit Cap Factor (DER Net)	<u>58.9</u>	<u>66.5</u>	<u>55.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.3</u>	<u>24.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>233.8</u>	<u>16,288.8</u>

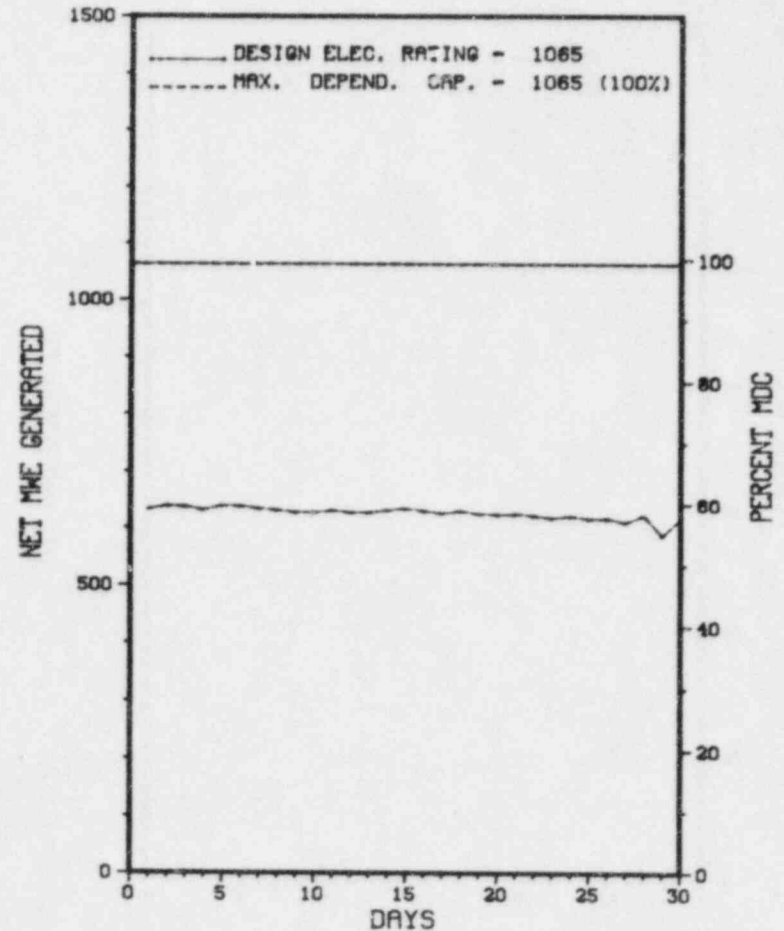
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
AUGUST 1984 - REFUELING & MAINTENANCE

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

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\*                      BROWNS FERRY 2                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* BROWNS FERRY 2 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
292	4/01/84	S	0.0	H	5				DERATED TO EXTEND FUEL CYCLE INTO AUGUST 1984.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
BROWNS FERRY 2 OPERATED IN A DERATED FUEL CONSERVATION MODE DURING APRIL.

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)

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\* BROWNS FERRY 2 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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 MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE HRC REGION II MOBILE LABORATORY. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 26 - MARCH 25 (84-10): THIS ROUTINE INSPECTION INVOLVED 46 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, REPORTABLE OCCURRENCES, SURVEILLANCE, SECURITY, AND MAINTENANCE. OF THE FIVE AREAS INSPECTED, THERE WAS ONE VIOLATION IN THE AREA OF SURVEILLANCE FOR AN INADEQUATE SURVEILLANCE PROCEDURE RELATED TO AIRBORNE EFFLUENT SAMPLING.

INSPECTION MARCH 26-29 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, IE BULLETINS, AND LICENSEE EVENT REPORTS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION - REACTOR VESSEL SUPPORT SKIRT WELD EXAMINATIONS - PARAGRAPH 3).

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO A VITAL AREA.







ENFORCEMENT SUMMARY

MONITOR (0-RE-90-252) AND UNIT 2 TURBINE BUILDING ROOF EXHAUST FAN (2-RE-90-251). ALTHOUGH PROCEDURE 1053 WAS RECENTLY REVISED ON 2/17/84 SEVEN EXAMPLES OF PROBLEMS OR UNCLEAR INSTRUCTIONS WERE IDENTIFIED AS LISTED BELOW: 1) STEP 1.I.C, REQUIRES THAT ANY MARINELLI USED ON VENTILATION CAM SAMPLES SHOULD BE IDENTIFIED UNIQUELY AND CHECKED FOR BACKGROUND RADIATION PRIOR TO USE. THE BREAKERS ARE NOT UNIQUELY IDENTIFIED AND ARE CHECKED AFTER FIVE USES. 2) STEP III.E, ADDRESSED THE CONNECTION OF SAMPLING EQUIPMENT ACCORDING TO A REFERENCED FIGURE BUT ONLY ONE OUT OF SIX FIGURES DELAYED THE PRESSURE GAUGES NEEDED TO OBTAIN DATA IN THE SAMPLES, THE EQUIPMENT WAS NOT CONNECTED AS SPECIFIED. 3) STEP F, REQUIRES THAT ALL SAMPLE VALVES BE OPENED BUT THESE VALVES WERE NOT IDENTIFIED BY VALVE NUMBERS OR THE QUANTITY OF SAMPLE VALVES TO OPEN. 4) STEP III.N, CONTAINS A FORMULA FOR CORRECTING THE MARINELLI BREAKER VOLUME FOR PRESSURE/VACUUM EFFECTS. THIS FORMULA, IF USED AS IMPLIED, GIVES AN INCORRECT ANSWER. AN INCORRECT CALCULATION WAS MADE TWICE WHILE BEING OBSERVED. 5) S.I.4.8.B.2-3A, REQUIRES THE RECORDING OF THE AS-FOUND POSITION OF THE INLET VALVES TO THE MONITOR BUT NO PLACE WAS PROVIDED IN THE PROCEDURE. FURTHER, ON MONITOR 2-RE-90-250, NO ID TAGS WERE ON THE VALVES TO IDENTIFY THEM. 6) S.I.4.8.B.2-3A, STEP 2, REQUIRES RECORDING OF STACK MONITOR CHANNEL A AND B READINGS IN COUNTS PER SECOND. THE COMPUTER PROGRAM RUN TO EVALUATE THE DATA REQUIRES ONLY ONE ENTRY FOR THE COUNTS PER SECOND AND DOES NOT SPECIFY WHETHER TO AVERAGE THE TWO VALVES, USE LOW OR HIGH. THE ANALYST WAS UNSURE WHAT TO USE AND THE LOW VALUE WAS USED IN THE CALCULATION. 7) S.I.4.8.B.2-3A DATA COVER SHEET ASKS 'YES' OR 'NO' WHETHER THE TECH SPEC CRITERIA AND S.I. CRITERIA ARE SATISFIED; THE RULE OR TEST OF THIS JUDGEMENT IS BEING APPLIED TO IS UNCLEAR AND IS NOT SPECIFIED IN THE PROCEDURE. (8410 5)

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: MARCH 26 - 29, 1984 +

INSPECTION REPORT NO: 50-260/84-11 +

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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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: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>62,831.0</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>67.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>67.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>60.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>60.3</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>

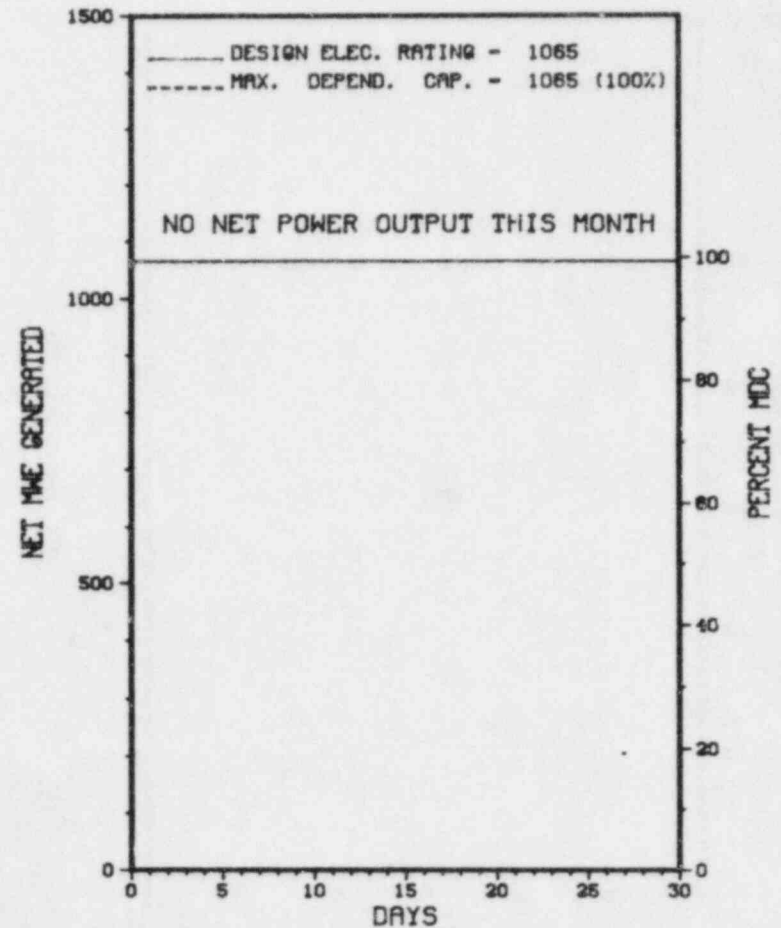
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 08/15/84

\*\*\*\*\*  
\*                    BROWNS FERRY 3                    \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### BROWNS FERRY 3



APRIL 1984

Report Period APR 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	719.0	C	4				END-OF-CYCLE 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)
	F-Admin		
	G-Oper Error		
	H-Other		

\*\*\*\*\*  
\* BROWNS FERRY 3 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 26 - MARCH 25 (84-10): THIS ROUTINE INSPECTION INVOLVED 47 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, REPORTABLE OCCURRENCES, SURVEILLANCE, SECURITY, AND MAINTENANCE. OF THE FIVE AREAS INSPECTED, THERE WAS ONE VIOLATION IN THE AREA OF SURVEILLANCE FOR AN INADEQUATE SURVEILLANCE PROCEDURE RELATED TO AIRBORNE EFFLUENT SAMPLING.

INSPECTION MARCH 26-29 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, IE BULLETINS, AND LICENSEE EVENT REPORTS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION - REACTOR VESSEL SUPPORT SKIRT WELD EXAMINATIONS - PARAGRAPH 3).

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO A VITAL AREA.

ENFORCEMENT SUMMARY

(8351 3)

TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES BE PREPARED, APPROVED AND ADHERED TO RELATED TO PLANT STARTUP AND OPERATION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT: (A) OPERATING INSTRUCTION 64 (PRIMARY CONTAINMENT SYSTEM STARTUP CHECKLISTS AND VALVE LINEUPS) WAS FOUND TO BE INADEQUATE SINCE IT DOES NOT INCLUDE THE INSTRUMENT ISOLATION VALVES FOR THE DRYWELL AND TORUS PRESSURE SENSING LINES CONNECTED TO PRESSURE TRANSMITTERS PDT 64-137 AND PDT 64-138. FAILURE TO HAVE ONE OF THESE VALVES IN SERVICE RESULTED IN BOTH OF THE DRYWELL TO TORUS DIFFERENTIAL PRESSURE INSTRUMENTS BEING OUT OF SERVICE DURING POWER OPERATION. (B) GENERAL OPERATING INSTRUCTION 100-1 (PRE-STARTUP CHECKLISTS) REQUIRED THAT ALL CHART RECORDERS ON PANEL 9-3 BE PLACED IN SERVICE PRIOR TO STARTUP OF UNIT 1 ON DECEMBER 29, 1983. THE RECORDER'S TORUS PRESSURE INDICATING CIRCUIT REMAINED DEENERGIZED UNTIL JANUARY 10, 1984. (8360 4)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MECHANICAL INSTRUMENTS AND CONTROLS DRAWING 47W600-133 INCORRECTLY SHOWED THE INSTRUMENT LINES BETWEEN THE DRYWELL AND TORUS TO TRANSMITTERS PT-64-135 AND PDT-64-137. THESE LINES WERE FOUND REVERSED FROM THE DRAWING INDICATION DURING A RESIDENT INSPECTOR WALKDOWN OF THE SYSTEM. SYSTEM OPERATION WAS NOT IMPAIRED AS THE INSTALLATION WAS CORRECT WITH ONLY THE DRAWING IN ERROR. (8360 5)

TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES THAT DETAILED RADIATION CONTROL PROCEDURES SHALL BE PREPARED, APPROVED AND ADHERED TO. CONTRARY TO THE ABOVE, RADIATION CONTROL PROCEDURES WERE NOT PREPARED, APPROVED, AND ADHERED TO IN THAT: (A) THE RADIOACTIVE WASTE CLASSIFICATION, WASTE STABILITY, MANIFEST PREPARATION AND OTHER APPLICABLE PROVISIONS OF 10 CFR PART 61 AND 10 CFR 20.311 HAVE NOT BEEN INCORPORATED INTO LOCAL RADIOACTIVE MATERIALS SHIPPING PROCEDURES. BROWNS FERRY HAS MADE TEN RADIOACTIVE WASTE SHIPMENTS SINCE THE NEW REQUIREMENTS WERE EFFECTIVE ON DECEMBER 27, 1983. (B) LOCAL RADIOACTIVE MATERIAL SHIPMENT PROCEDURES DO NOT ADDRESS WHAT ACTIONS ARE REQUIRED TO ENSURE A SIMILAR DEGREE OF CONTROL AS WAS AFFORDED THE INITIAL SHIPMENT WHEN A RADIOACTIVE MATERIALS TRANSPORT HAS TO RETURN TO THE LICENSEE'S SITE TO BE RELOADED TO CORRECT AN OVERWEIGHT CONDITION. SUCH AN EVENT HAS OCCURRED TWICE IN CALENDAR YEAR 1983. (C) ON JANUARY 11, 1984, A LICENSEE EMPLOYEE EXITED A CONTAMINATION CONTROL ZONE AND DID NOT PERFORM A WHOLE BODY FRISK OF HIS PERSON FOR CONTAMINATION CONTRARY TO STATION RADIOLOGICAL CONTROL INSTRUCTION (RCI)-1, SECTION III, PARAGRAPH IV WHICH REQUIRES THAT EACH PERSON WHO EXITS A CONTAMINATION CONTROL ZONE PERFORM A WHOLE BODY FRISK. (D) ON JANUARY 11, 1984, THREE OF FIVE INDIVIDUALS SORTING CONTAMINATED TRASH ON THE 565' ELEVATION OF THE UNIT THREE TURBINE BUILDING WERE NOT COMPLYING WITH ALL THE REQUIREMENTS OF THE CONTROLLING SPECIAL WORK PERMIT (SWP) IN THAT SWP 01--00139 REQUIRED TAPING OF ANTI-CONTAMINATION GLOVES CLOSED AROUND THE COVERALL SLEEVES AND THESE THREE WORKERS HAD NOT DONE SO. (8403 4)

10CFR71.5A REQUIRES EACH LICENSEE WHO TRANSPORTS LICENSED MATERIAL OUTSIDE THE CONFINES OF ITS PLANT OR OTHER PLACE OF USE, OR WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49CFR PARTS 170-189. 49CFR172.202A REQUIRES THAT THE SHIPPING DESCRIPTION OF A HAZARDOUS MATERIAL ON THE SHIPPING PAPER MUST CONTAIN THE APPROPRIATE LISTED INFORMATION: PROPER SHIPPING NAME PRESCRIBED FOR THE MATERIAL 172.101 AND ID NUMBER (PRECEDED BY "UN" OR "NA") PRESCRIBED FOR THE MATERIAL IN THE SAME SECTION. 49CFR172.101 GIVES THE PROPER SHIPPING NAME AND ID NUMBER FOR A LOW SPECIFIC ACTIVITY MATERIAL AS "RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY OR LSA, N.O.S., UN 2912". 49CFR172.203(D)(1) REQUIRES THAT THE DESCRIPTION FOR A SHIPMENT OF RADIOACTIVE MATERIAL MUST CONTAIN THE LISTED INFORMATION INCLUDING THE NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MATERIAL THAT IS LISTED IN 173.390 OF THIS SUBCHAPTER. 10CFR30.41C REQUIRES THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A SPECIFIC LICENSEE OR AN AGREEMENT STATE, THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFEREE'S LICENSE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. THE STATE OF SOUTH CAROLINA LICENSE NUMBER 97 TO CHEM-NUCLEAR SYSTEMS, INC., FOR THE OPERATION OF THE RADIOACTIVE WASTE DISPOSAL SITE NEAR BARNWELL, S.C., LICENSE CONDITION 8 STATES THAT ONLY RADIOACTIVE MATERIAL CONSIGNED FOR BURIAL SHALL BE RECEIVED AT THE BARNWELL SITE, UNLESS OTHERWISE AUTHORIZED BY THE LICENSE OR STATE OF SOUTH CAROLINA. (A) CONTRARY TO THE ABOVE, THE SHIPPING PAPERS OF A LOW SPECIFIC ACTIVITY SHIPMENT OF A BOX OF RADIOACTIVE TOOLS ON 1/3/84 UNDER CONTROL NUMBER 0184-166-5 WERE IMPROPERLY PREPARED IN THAT RADIOACTIVE MATERIAL DESCRIPTION ON TVA FORM 17111, THE SHIPPING MANIFEST, DID NOT SPECIFY PROPER

ENFORCEMENT SUMMARY

SHIPPING NAME, ID NUMBER OR NAME OF EACH RADIONUCLIDE IN THE RADIOACTIVE MATERIAL. (B) CONTRARY TO THE ABOVE, RADIOACTIVE MATERIAL WAS TRANSFERRED TO AN AGREEMENT STATE LICENSE PRIOR TO DETERMINING THE TRANSFEREE WAS AN AUTHORIZED RECIPIENT IN THAT, ON 1/3/84, RADIOACTIVE MATERIAL OTHER THAN WASTE, A BOX OF RADIOACTIVE TOOLS NOT INTENDED FOR DISPOSAL, WAS TRANSFERRED TO THE BARNWELL SITE IN THE ABSENCE OF A PRIOR APPROVAL. 10 CFR 20.408(A) STATES THAT THIS SECTION APPLIES TO EACH PERSON LICENSED BY THE COMMISSION TO: (1) OPERATE A NUCLEAR REACTOR DESIGNED TO PRODUCE ELECTRICAL...ENERGY... 10 CFR 20.408(B) REQUIRES THAT WHEN AN INDIVIDUAL TERMINATES EMPLOYMENT WITH A LICENSEE DESCRIBED IN PARAGRAPH (A) OF THIS SECTION... THE LICENSEE SHALL FURNISH TO THE... COMMISSION, A REPORT OF THE INDIVIDUAL'S EXPOSURES TO RADIATION AND RADIOACTIVE MATERIAL. 10 CFR 20.409(B) STATES THAT WHEN A LICENSEE IS REQUIRED PURSUANT TO 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION OR RADIOACTIVE MATERIAL, THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL COMPLY WITH THE PROVISIONS OF 19.13(A) OF THIS CHAPTER. 10 CFR 19.13(A) REQUIRES THAT THE RESULTS OF ANY MEASUREMENTS, ANALYSES, AND CALCULATIONS OF RADIOACTIVE MATERIAL DEPOSITED OR RETAINED IN THE BODY OF AN INDIVIDUAL, SHALL BE REPORTED TO THE INDIVIDUAL IN THAT WHEN THE LICENSEE DETECTS QUANTITIES OF RADIOACTIVITY ABOVE THEIR ANALYSE EQUIPMENT'S LOWER LIMIT OF DETECTION BUT LESS THAN TWO PERCENT OF THE MAXIMUM PERMISSIBLE ORGAN BURDEN, THE REPORT TO THE INDIVIDUAL STATES THAT NO RADIOACTIVITY WAS DETECTED. 10 CFR 20.203(E)(1) REQUIRES THAT EACH AREA OR ROOM IN WHICH LICENSED MATERIAL IS USED OR STORED AND WHICH CONTAINS ANY RADIOACTIVE MATERIAL IN AN AMOUNT EXCEEDING 10 TIMES THE QUANTITY OF SUCH MATERIAL SPECIFIED IN APPENDIX C OF THIS PART SHALL BE CONSPICUOUSLY POSTED WITH A SIGN OR SIGNS BEARING THE RADIATION CAUTION SYMBOL AND THE WORDS: CAUTION, OR DANGER, RADIOACTIVE MATERIALS. CONTRARY TO THE ABOVE, THE USED LAUNDERED ANTI-CONTAMINATION CLOTHING STORAGE RACKS ALONG THE WALLS OF THE SERVICE BUILDING MAIN PASSAGEWAY 562' APPENDIX C QUANTITIES AND IS NOT POSTED.  
(8403 5)

10CFR50, APP. B, CRIT. V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT SI 4.8.B.2-3A (AIRBORNE EFFLUENTS WEEKLY GAMMA ISOTOPIC) WAS INADEQUATE AND RESULTED IN SEVERAL ERRORS BEING MADE DURING THE PERFORMANCE OF THE INSTRUCTION FOR THE STACK MONITOR (0-RE-90-252) AND UNIT 2 TURBINE BUILDING ROOF EXHAUST FAN (2-RE-90-251). ALTHOUGH PROCEDURE 1053 WAS RECENTLY REVISED ON 2/17/84 SEVEN EXAMPLES OF PROBLEMS OR UNCLEAR INSTRUCTIONS WERE IDENTIFIED AS LISTED BELOW: 1) STEP 1.I.C, REQUIRES THAT ANY MARINELLI USED ON VENTILATION CAM SAMPLES SHOULD BE IDENTIFIED UNIQUELY AND CHECKED FOR BACKGROUND RADIATION PRIOR TO USE. THE BREAKERS ARE NOT UNIQUELY IDENTIFIED AND ARE CHECKED AFTER FIVE USES. 2) STEP III.E, ADDRESSED THE CONNECTION OF SAMPLING EQUIPMENT ACCORDING TO A REFERENCED FIGURE BUT ONLY ONE OUT OF SIX FIGURES DELAYED THE PRESSURE GAUGES NEEDED TO OBTAIN DATA IN THE SAMPLES, THE EQUIPMENT WAS NOT CONNECTED AS SPECIFIED. 3) STEP F, REQUIRES THAT ALL SAMPLE VALVES BE OPENED BUT THESE VALVES WERE NOT IDENTIFIED BY VALVE NUMBERS OR THE QUANTITY OF SAMPLE VALVES TO OPEN. 4) STEP III.N, CONTAINS A FORMULA FOR CORRECTING THE MARINELLI BREAKER VOLUME FOR PRESSURE/VACUUM EFFECTS. THIS FORMULA, IF USED AS IMPLIED, GIVES AN INCORRECT ANSWER. AN INCORRECT CALCULATION WAS MADE TWICE WHILE BEING OBSERVED. 5) S.I.4.8.B.2-3A, REQUIRES THE RECORDING OF THE AS-FOUND POSITION OF THE INLET VALVES TO THE MONITOR BUT NO PLACE WAS PROVIDED IN THE PROCEDURE. FURTHER, ON MONITOR 2-RE-90-250, NO ID TAGS WERE ON THE VALVES TO IDENTIFY THEM. 6) S.I.4.8.B.2-3A, STEP 2, REQUIRES RECORDING OF STACK MONITOR CHANNEL A AND B READINGS IN COUNTS PER SECOND. THE COMPUTER PROGRAM RUN TO EVALUATE THE DATA REQUIRES ONLY ONE ENTRY FOR THE COUNTS PER SECOND AND DOES NOT SPECIFY WHETHER TO AVERAGE THE TWO VALVES, USE LOW OR HIGH. THE ANALYST WAS UNSURE WHAT TO USE AND THE LOW VALUE WAS USED IN THE CALCULATION. 7) S.I.4.8.B.2-3A DATA COVER SHEET ASKS 'YES' OR 'NO' WHETHER THE TECH SPEC CRITERIA AND S.I. CRITERIA ARE SATISFIED; THE RULE OR TEST OF THIS JUDGEMENT IS BEING APPLIED TO IS UNCLEAR AND IS NOT SPECIFIED IN THE PROCEDURE.  
(8410 5)

OTHER ITEMS

## SYSTEMS AND COMPONENT PROBLEMS:

NONE.

## FACILITY ITEMS (PLANS AND PROCEDURES):



Report Period APR 1984

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

\*\*\*\*\*  
\*                    BROWNS FERRY 3                    \*  
\*\*\*\*\*

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN 9/6/83 TO PERFORM IGSCC INSPECTION.

LAST IE SITE INSPECTION DATE: MARCH 26 - 29, 1984

INSPECTION REPORT NO: 58-296784-11

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: 50-325 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>62,424.0</u>
13. Hours Reactor Critical	<u>557.7</u>	<u>2,505.7</u>	<u>38,903.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>530.2</u>	<u>2,434.0</u>	<u>36,522.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,228,147</u>	<u>5,720,509</u>	<u>74,147,795</u>
18. Gross Elec Ener (MWH)	<u>408,764</u>	<u>1,912,200</u>	<u>24,459,248</u>
19. Net Elec Ener (MWH)	<u>395,826</u>	<u>1,858,770</u>	<u>23,472,601</u>
20. Unit Service Factor	<u>73.7</u>	<u>83.8</u>	<u>58.5</u>
21. Unit Avail Factor	<u>73.7</u>	<u>83.8</u>	<u>58.5</u>
22. Unit Cap Factor (MDC Net)	<u>69.7</u>	<u>81.0</u>	<u>47.6</u>
23. Unit Cap Factor (DER Net)	<u>67.1</u>	<u>78.0</u>	<u>45.8</u>
24. Unit Forced Outage Rate	<u>26.3</u>	<u>10.8</u>	<u>20.3</u>
25. Forced Outage Hours	<u>188.8</u>	<u>293.8</u>	<u>9,213.0</u>

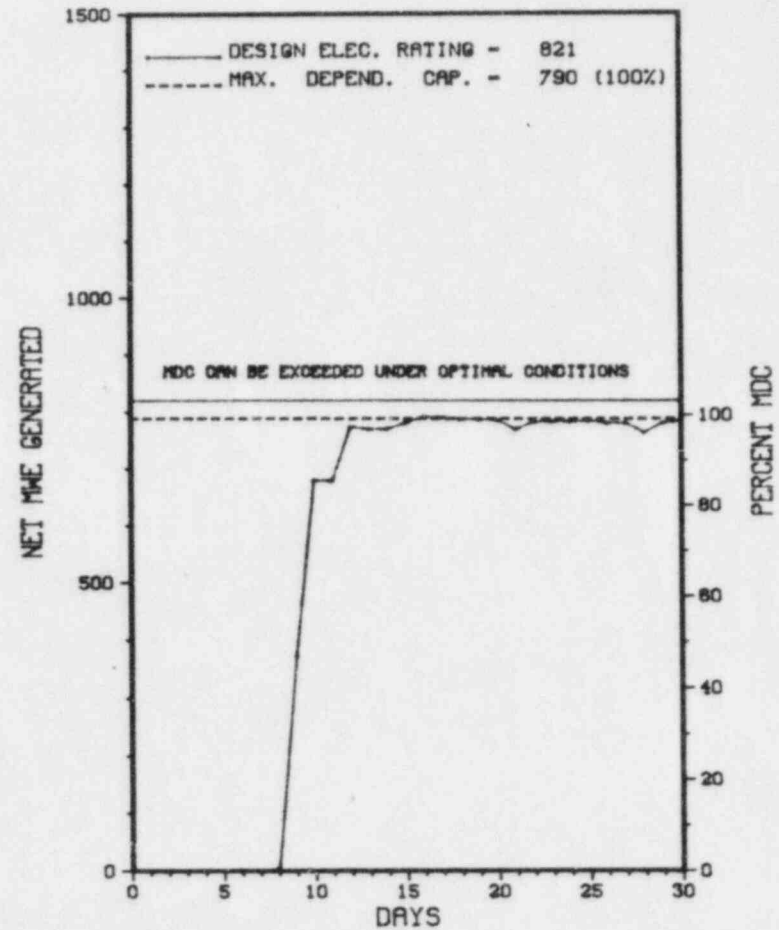
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* BRUNSWICK 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### BRUNSWICK 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* BRUNSWICK 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-025	03/31/83	F	188.8	H	2		ZZ	VALVEX	REACTOR SCRAM--LOSS OF INSTRUMENT AIR TO RADWASTE WHICH RESULTED IN CFD EFFLUENT VALVES TO GO SHUT AND THE BYPASS FAILURE TO OPEN. CORRECT VALVING ERROR AND RESTORE INSTRUMENT AIR TO RADWASTE.
84-027	04/11/84	S	0.0	B	5				ROD IMPROVEMENT.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 BRUNSWICK 1 OPERATED WITH 1 OUTAGE AND 1 REDUCTION DURING APRIL.

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: 50-324                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWe):                      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>719.0</u>	<u>2,903.0</u>	<u>74,448.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>3,355,120</u>	<u>81,931,834</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,110,430</u>	<u>27,220,128</u>
19. Net Elec Ener (MWH)	<u>-4,092</u>	<u>1,067,115</u>	<u>26,094,733</u>
20. Unit Service Factor	<u>.0</u>	<u>54.0</u>	<u>58.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>54.0</u>	<u>58.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>46.5</u>	<u>44.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>44.8</u>	<u>42.7</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>

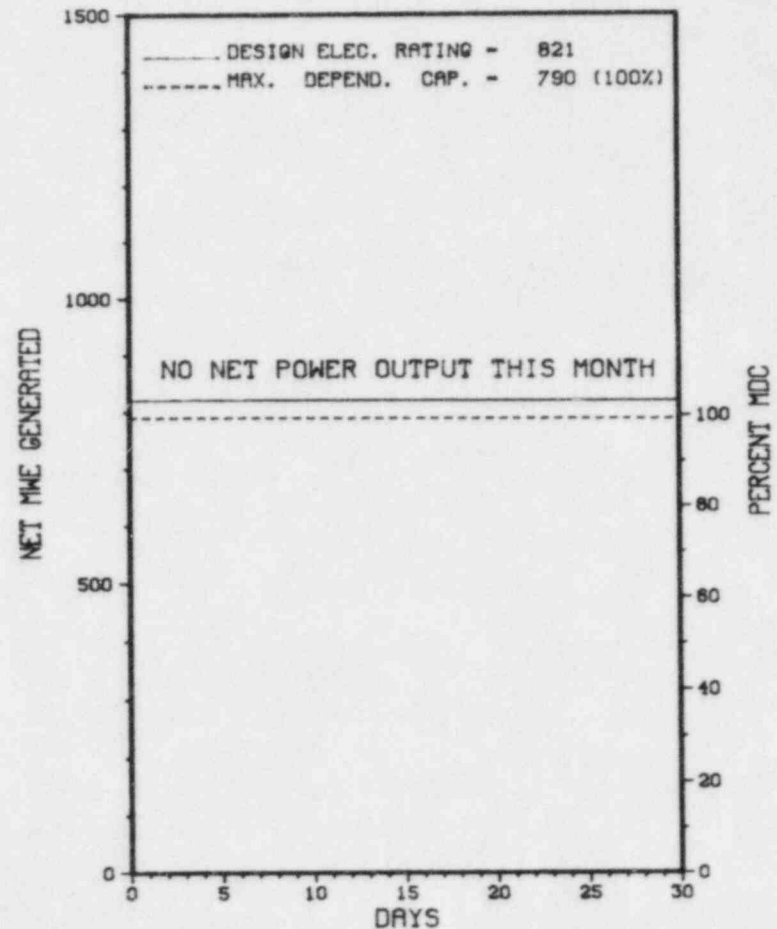
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

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

\*\*\*\*\*  
\*                      BRUNSWICK 2                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



APRIL 1984

Report Period APR 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	719.0	C	4		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONTINUES.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
BRUNSWICK 2 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)

\*\*\*\*\*  
\* BRUNSWICK 2 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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.....M. GROTEHUIS  
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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 12 - 23 (84-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 36 INSPECTOR-HOURS ON SITE IN THE AREAS OF UNIT 2 MAIN STEAM ISOLATION VALVE LOCAL LEAK RATE TESTING, (MSIV LLRT), ROD SEQUENCE CONTROL SYSTEM AND ROD WORTH MINIMIZER (RSCS RWM TRAINING, UNIT 1 ASYMMETRY ANOMALY, PLANT TOUR, AND SYSTEM WALKDOWN). OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS.

INSPECTION FEBRUARY 15 - MARCH 15 (84-07): THIS ROUTINE, SAFETY INSPECTION INVOLVED 102 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, INDEPENDENT INSPECTION, AND NUREG 0737 ITEMS. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES DISCUSSED IN PARAGRAPH 3; AND FAILURE TO MEET 10 CFR 19 POSTING REQUIREMENTS DISCUSSED IN PARAGRAPH 8.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS



Report Period APR 1984

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

\*\*\*\*\*  
\*                    BRUNSWICK 2                    \*  
\*\*\*\*\*

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUEL AND MAINTENANCE OUTAGE. +

LAST IE SITE INSPECTION DATE: MARCH 12-23, 1984 +

INSPECTION REPORT NO: 50-324/84-05 +

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
84-0047	02/22/84	03/23/84	REACTOR SCRAMMED ON HIGH POWER, THE K16 RELAY WAS REPLACED.

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1. Docket: 50-317 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: EVELYN BEWLEY (301) 787-5365

4. Licensed Thermal Power (Mbt): 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>719.0</u>	<u>2,903.0</u>	<u>78,732.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,732.9</u>	<u>62,699.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,887.9</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,716.1</u>	<u>61,462.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,931,326</u>	<u>7,221,519</u>	<u>151,363,814</u>
18. Gross Elec Ener (MWH)	<u>658,080</u>	<u>2,468,534</u>	<u>49,896,019</u>
19. Net Elec Ener (MWH)	<u>631.871</u>	<u>2,366,551</u>	<u>47,601,517</u>
20. Unit Service Factor	<u>100.0</u>	<u>93.6</u>	<u>78.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>93.6</u>	<u>78.1</u>
22. Unit Cap Factor (MDC Net)	<u>106.5</u>	<u>98.8</u>	<u>74.2*</u>
23. Unit Cap Factor (DER Net)	<u>104.0</u>	<u>96.5</u>	<u>71.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.4</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>186.9</u>	<u>4,849.7</u>

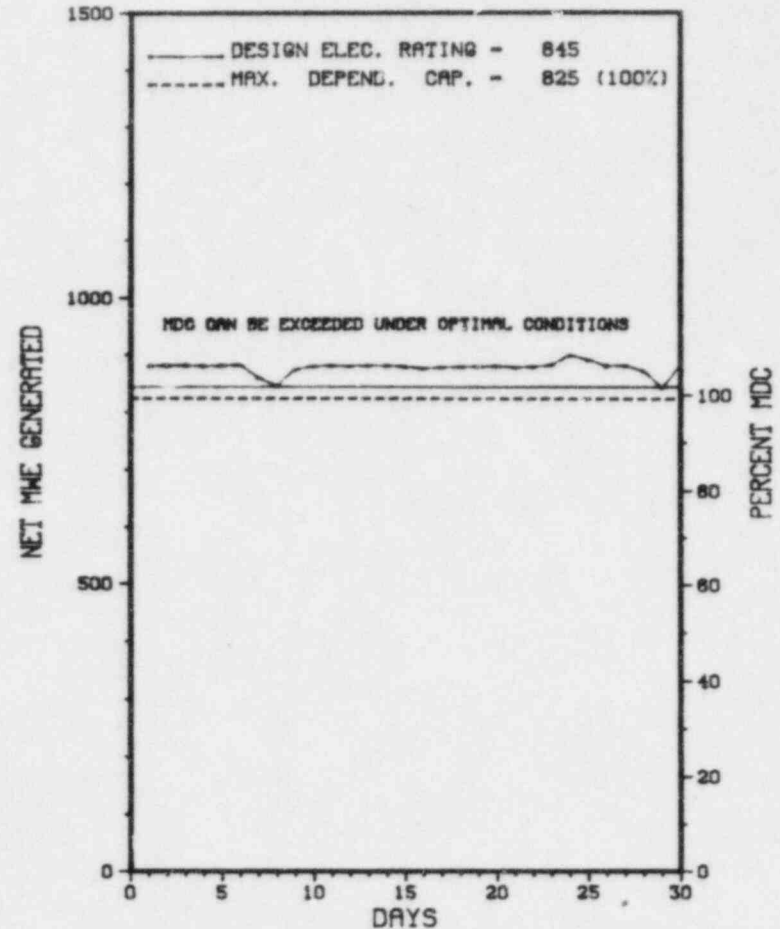
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* CALVERT CLIFFS 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* CALVERT CLIFFS 1 \*  
\*\*\*\*\*

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

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 \* SUMMARY \*  
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 CALVERT CLIFFS 1 OPERATED AT FULL POWER DURING THE APRIL  
 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 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING APPLICABLE PROCEDURES REFERENCED IN APPENDIX A TO REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 REQUIRES PROCEDURES FOR EQUIPMENT CONTROL (E.G. LOCKING AND TAGGING). CALVERT CLIFFS INSTRUCTION 112D, SAFETY TAGGING, REVISED SEPTEMBER 1982 DELINEATES REQUIREMENTS FOR PLACING AND VERIFYING PLACEMENT OF SAFETY TAGS. CONTRARY TO THE ABOVE, CALVERT CLIFFS INSTRUCTION 112D WAS NOT PROPERLY IMPLEMENTED ON FEBRUARY 15, 1984 FOR SAFETY TAGGING OF THE OXYGEN ANALYZER SYSTEM (TAGOUT #5513) IN THAT SAFETY TAGS WERE NOT PLACED, AS DIRECTED BY THE TAGOUT RECORD, ON SAMPLE VALVES 1-PS-314 AND 2-PS-514 FOR THE DEGASSIFIER ACCUMULATORS #11 AND #12, RESPECTIVELY.  
(8403 5)

OTHER ITEMS

Report Period APR 1984

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

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\*            CALVERT CLIFFS 1            \*  
\*\*\*\*\*

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: 50-318 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 709.0

3. Utility Contact: EVELYN BEHLEY (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>719.0</u>	<u>2,903.0</u>	<u>62,087.0</u>
13. Hours Reactor Critical	<u>468.0</u>	<u>2,652.0</u>	<u>52,579.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>958.1</u>
15. Hrs Generator On-Line	<u>428.0</u>	<u>2,612.0</u>	<u>51,727.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,107,194</u>	<u>6,881,107</u>	<u>128,722,800</u>
18. Gross Elec Ener (MWH)	<u>365,879</u>	<u>2,263,762</u>	<u>42,333,048</u>
19. Net Elec Ener (MWH)	<u>346,584</u>	<u>2,164,181</u>	<u>40,357,943</u>
20. Unit Service Factor	<u>59.5</u>	<u>90.0</u>	<u>83.3</u>
21. Unit Avail Factor	<u>59.5</u>	<u>90.0</u>	<u>83.3</u>
22. Unit Cap Factor (MDC Net)	<u>58.4</u>	<u>90.4</u>	<u>79.3*</u>
23. Unit Cap Factor (DER Net)	<u>57.0</u>	<u>88.2</u>	<u>76.9</u>
24. Unit Forced Outage Rate	<u>9.0</u>	<u>1.6</u>	<u>5.6</u>
25. Forced Outage Hours	<u>42.3</u>	<u>42.3</u>	<u>3,087.5</u>

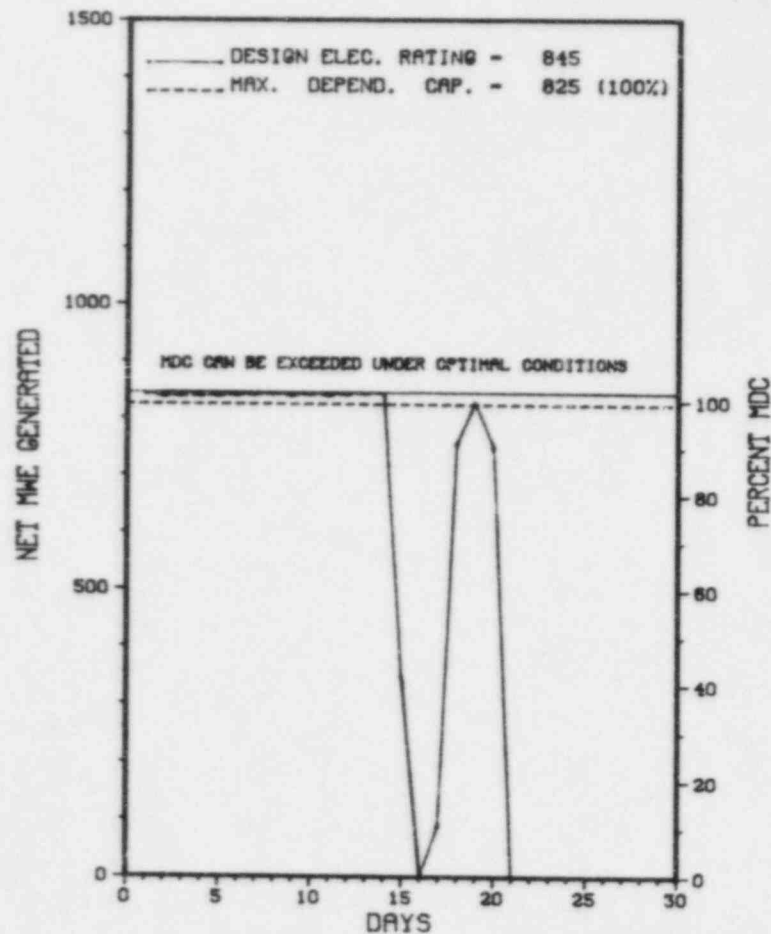
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NO. 2 PLANT STARTED ITS REFUELING ON 4/21/84.

27. If Currently Shutdown Estimated Startup Date: 07/02/84

\*\*\*\*\*  
\* CALVERT CLIFFS 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* CALVERT CLIFFS 2 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-02	04/15/84	F	42.3	A	1		CB	PUMPXX	FAILURE OF 22B REACTOR COOLANT PUMP MOTOR SURGE CAPACITOR.
84-03	04/21/84	S	238.7	C	1		XX	FUELXX	REFUELING AND GENERAL INSPECTION COMMENCES.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 CALVERT CLIFFS 2 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE AND SHUTDOWN ON APRIL 21ST 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)

\*\*\*\*\*  
\* CALVERT CLIFFS 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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

TECHNICAL SPECIFICATION 6.8.1 STATES THAT PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX A TO REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 REQUIRES GENERAL PROCEDURES FOR THE CONTROL OF MAINTENANCE WHICH INCLUDE THE METHOD FOR OBTAINING PERMISSION AND CLEARANCE TO WORK. CALVERT CLIFFS PROCEDURE CC1 200H, "MAINTENANCE REQUESTS", DATED FEBRUARY 1, 1984, IMPLEMENTS CONTROLS FOR MAINTENANCE ACTIVITIES AND REQUIRES (SECTION IV E) THAT, PRIOR TO INITIATION OF A MAINTENANCE ACTIVITY, A REVIEW BE CONDUCTED TO VERIFY THAT COMPONENTS, EQUIPMENT, AND SYSTEMS HAVE BEEN PROPERLY REALIGNED AND TAGGED AND THAT PLANT CONDITIONS, IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS, PERMIT THE PERFORMANCE OF THE MAINTENANCE. CONTRARY TO THE ABOVE, PRIOR TO INITIATION OF A MAINTENANCE ACTIVITY (SALTWATER STRAINER CLEANING FOR THE #22 EMERGENCY CORE COOLING SYSTEM PUMP ROOM AIR COOLER) AT ABOUT 5:00 A.M. ON MARCH 6, 1984, AN INADEQUATE REVIEW TO VERIFY PROPER SYSTEM REALIGNMENT WAS CONDUCTED. LICENSEE PERSONNEL DID NOT REALIZE THAT, THROUGH SYSTEM REALIGNMENT, THE #21 DG HAD BEEN RENDERED INOPERABLE IN THAT COOLING WATER TO THE DG WOULD HAVE BEEN AUTOMATICALLY ISOLATED IN THE EVENT OF A LOSS OF COOLANT ACCIDENT CONDITION. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR 69. (8403 4)



Report Period APR 1984

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

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\*                    CALVERT CLIFFS 2                    \*  
\*\*\*\*\*

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING APPLICABLE PROCEDURES REFERENCED IN APPENDIX A TO REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 REQUIRES PROCEDURES FOR EQUIPMENT CONTROL (E.G. LOCKING AND TAGGING). CALVERT CLIFFS INSTRUCTION 112D, SAFETY TAGGING, REVISED SEPTEMBER 1982, DELINEATES REQUIREMENTS FOR PLACING AND VERIFYING PLACEMENT OF SAFETY TAGS. CONTRARY TO THE ABOVE, CALVERT CLIFFS INSTRUCTIONS 112D WAS NOT PROPERLY IMPLEMENTED ON FEBRUARY 15, 1984 FOR SAFETY TAGGING OF THE OXYGEN ANALYZER SYSTEM (TAGOUT #5513) IN THAT SAFETY TAGS WERE NOT PLACED, AS DIRECTED BY THE TAGOUT RECORD, ON SAMPLE VALVES 1-PS-314 AND 2-PS-514 FOR THE DEGASSIFIER ACCUMULATORS #11 AND #12, RESPECTIVELY.

(8403 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.

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: 50-315 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>81,791.0</u>
13. Hours Reactor Critical	<u>649.8</u>	<u>2,656.9</u>	<u>60,275.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>640.3</u>	<u>2,633.2</u>	<u>58,976.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>1,855,391</u>	<u>7,818,348</u>	<u>171,899,962</u>
18. Gross Elec Ener (MWH)	<u>608,060</u>	<u>2,570,100</u>	<u>56,496,390</u>
19. Net Elec Ener (MWH)	<u>584,248</u>	<u>2,472,778</u>	<u>54,353,118</u>
20. Unit Service Factor	<u>89.1</u>	<u>90.7</u>	<u>74.0</u>
21. Unit Avail Factor	<u>89.1</u>	<u>90.7</u>	<u>74.0</u>
22. Unit Cap Factor (MDC Net)	<u>79.7</u>	<u>83.5</u>	<u>66.9</u>
23. Unit Cap Factor (DER Net)	<u>78.9</u>	<u>82.7</u>	<u>64.1</u>
24. Unit Forced Outage Rate	<u>10.9</u>	<u>9.3</u>	<u>7.9</u>
25. Forced Outage Hours	<u>78.7</u>	<u>269.8</u>	<u>4,350.6</u>

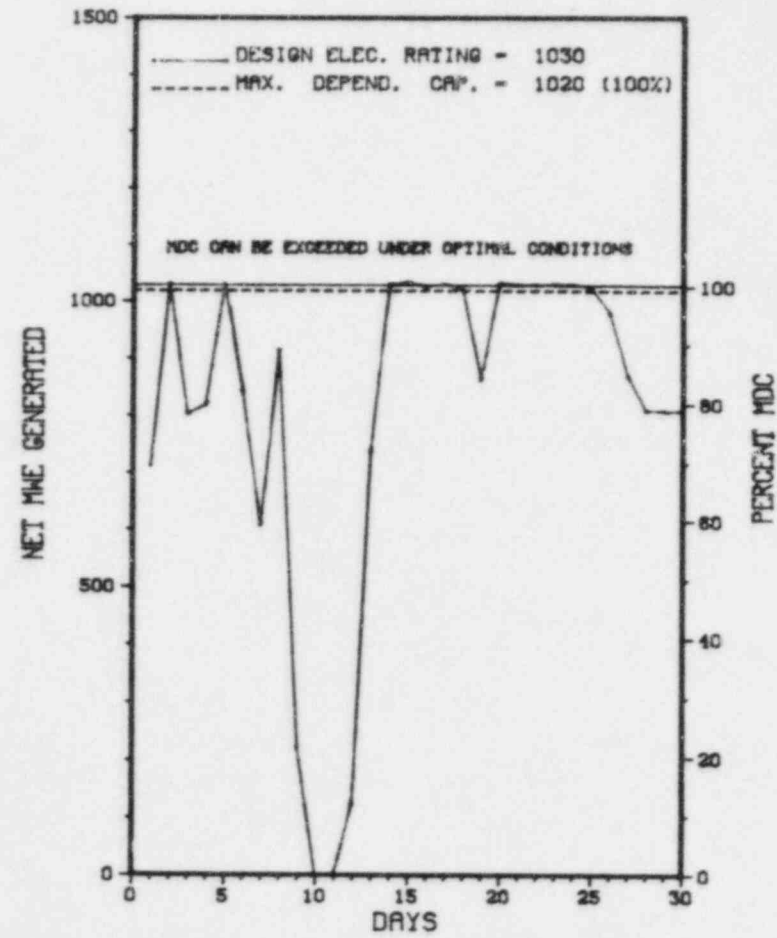
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
SHUTDOWN SCHEDULE SEPTEMBER 1, FOR SURVEILLANCE TESTING.

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

\*\*\*\*\*  
\* COOK 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* COOK 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
217	03/31/84	F	0.0	B	5		HH	HTEXCH	REACTOR POWER FURTHER REDUCED FROM 70% TO 58% TO REMOVE THE WEST MAIN FEED PUMP FROM SERVICE FOR TUBE LEAK CHECK. ONE TUBE WAS PLUGGED. RX POWER RETURNED TO 100% ON 04/01/84.
218	04/03/84	F	0.0	B	5		HH	HTEXCH	REACTOR POWER REDUCED TO 55% TO REMOVE THE WEST MAIN FEED PUMP FROM SERVICE TO CHECK THE FEED PUMP TURBINE CONDENSER FOR TUBE LEAKS. ONE TUBE WAS PLUGGED. REACTOR POWER WAS RETURNED TO 100% ON 04/04/84.
219	04/06/84	F	0.0	E	5		HH	HTEXCH	REACTOR POWER REDUCED TO 56% TO CHECK THE WEST MAIN FEED PUMP TURBINE CONDENSER FOR TUBE LEAKS.
220	04/09/84	F	78.7	A	1	84-004			ON 04/06/84 AT 0311 HOURS, THE TURBINE DRIVEN AUXILIARY FEED PUMP WAS DECLARED INOPERABLE DUE TO THE INABILITY TO TRIP THE TURBINE TRIP AND THROTTLE VALVE. THE VALVE WAS REPAIRED AND THE UNIT RETURNED TO SERVICE ON 04/12/84.
221	04/18/84	F	0.0	F	5		ZZ	ZZZZZZ	REACTOR POWER REDUCED TO 80% AS REQUIRED BY PLANT SECONDARY CHEMISTRY SPECIFICATIONS DUE TO HIGH DISSOLVED OXYGEN IN THE CONDENSATE. REACTOR POWER WAS RETURNED TO 100% ON 04/19/84.
222	04/27/84	F	0.0	F	5		ZZ	ZZZZZZ	REACTOR POWER WAS AGAIN REDUCED TO 80% DUE TO HIGH DISSOLVED OXYGEN IN THE CONDENSATE. REACTOR POWER REMAINED AT 80% AT THE END OF THE MONTH. THE SOURCE OF AIR INLEAKAGE HAS BEEN ISOLATED AND REACTOR POWER WAS RETURNED TO 100% ON 05/02/84.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 COOK 1 OPERATED WITH 5 REDUCTIONS AND 1 OUTAGE DURING APRIL.

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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 ELEC ENER 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 JANUARY 21, THROUGH MARCH 12, (84-02): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; PLANT TRIP; REGIONAL REQUEST; REFUELING ACTIVITIES; REPORT REVIEW; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED A TOTAL OF 459 INSPECTOR-HOURS BY SIX NRC INSPECTORS INCLUDING 56 INSPECTOR-HOURS OFF-SHIFT. OF THE ELEVEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN TEN AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO IMPLEMENT A SURVEILLANCE PROCEDURE).

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) STATES IN PART THAT, "A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART." IN ADDITION, TECHNICAL SPECIFICATION 6.8.1.E STATES IN PART THAT, "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING EMERGENCY PLAN IMPLEMENTATION." (A) CONTRARY TO SECTION 2.2 OF EMERGENCY PLAN PROCEDURE PMP 2080.EPP.008, QUARTERLY VERIFICATIONS OF EXHIBIT A TO THIS PROCEDURE WERE NOT PERFORMED DURING THE FOURTH QUARTER OF 1983, (B) CONTRARY TO SECTION 4.1 OF EMERGENCY PLAN PROCEDURE PMP 2082.EPP.009, QUARTERLY COMPLETION OF EXHIBIT C WAS NOT PERFORMED DURING THE FIRST THREE QUARTERS OF 1983; AND COMPLETION OF EXHIBIT B WAS NOT PERFORMED DURING THE FIRST HALF OF 1983, (C) CONTRARY TO SECTION 4.2.1

Report Period APR 1984

INSPECTION STATUS - (CONTINUED)

\*\*\*\*\*  
\* COOK 1 \*  
\*\*\*\*\*

ENFORCEMENT SUMMARY

OF EMERGENCY PLAN PROCEDURE PMP 2082.EPP.005, QUARTERLY DRILLS FOR RADIOLOGICAL MONITORING TEAM ACTIVATION AND HEALTH PHYSICS WERE NOT DOCUMENTED FOR ANY QUARTER IN 1983, (D) CONTRARY TO SECTION 12.3.15.1 OF THE DONALD C. COOK EMERGENCY PLAN, REVISION 2, THE SEMI-ANNUAL OFF HOURS SHIFT AUGMENTATION DRILL WAS NOT PERFORMED DURING THE FIRST HALF OF 1983, (E) CONTRARY TO SECTION IV.E.9.D OF APPENDIX E TO 10 CFR PART 50, COMMUNICATIONS WITH THE NRC HEADQUARTERS AND REGIONAL OFFICE FROM THE NUCLEAR POWER REACTOR CONTROL ROOM, TECHNICAL SUPPORT CENTER, AND EMERGENCY OPERATIONS FACILITY WERE NOT TESTED ON A MONTHLY BASIS PRIOR TO OCTOBER, 1983, AND (F) CONTRARY TO SECTION IV.B OF APPENDIX E TO 10 CFR PART 50, EMERGENCY ACTION LEVELS WERE NOT REVIEWED WITH THE STATE AND LOCAL GOVERNMENTAL AUTHORITIES ON AN ANNUAL BASIS PRIOR TO JANUARY, 1984.  
(8405 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: MARCH 13 - APRIL 23, 1984

INSPECTION REPORT NO: 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: 50-316 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1333 X 0.85 = 1133

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1100

8. Maximum Dependable Capacity (Net MWe): 1060

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>719.0</u>	<u>2,903.0</u>	<u>55,487.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,636.8</u>	<u>39,422.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,628.0</u>	<u>38,428.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,405,134</u>	<u>123,858,152</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,793,180</u>	<u>40,019,610</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,731,606</u>	<u>38,584,959</u>
20. Unit Service Factor	<u>.0</u>	<u>56.1</u>	<u>72.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>56.1</u>	<u>72.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>56.3</u>	<u>67.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>54.2</u>	<u>67.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.9</u>	<u>13.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>32.1</u>	<u>5,883.0</u>

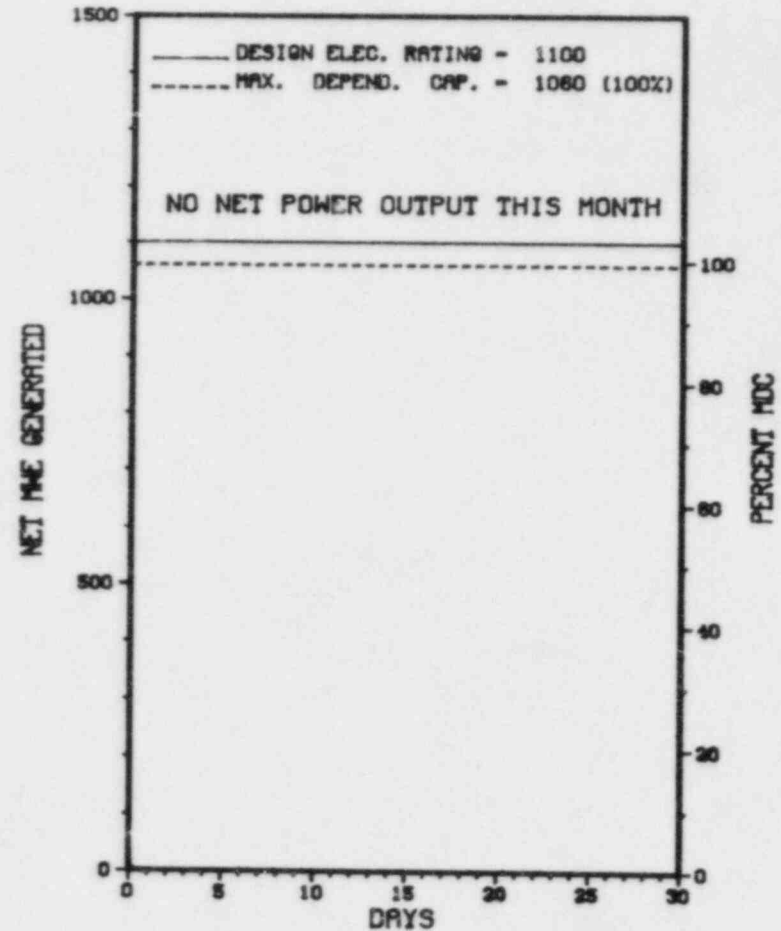
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 06/20/84

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\* COOK 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



APRIL 1984

Report Period APR 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	719.0	C	4		RC	FUELXX	THE UNIT WAS REMOVED FROM SERVICE ON 840310 FOR SCHEDULED CYCLE IV-V REFUELING/MAINTENANCE OUTAGE. REFUELING ACTIVITIES ARE PRESENTLY IN PROGRESS. ESTIMATED RETURN TO SERVICE DATE IS 840620.

\*\*\*\*\* COOK 2 REMAINS SHUTDOWN IN AN ONGOING 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)

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\* COOK 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 JANUARY 21, THROUGH MARCH 12, (84-02): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; PLANT TRIP; REGIONAL REQUEST; REFUELING ACTIVITIES; REPORT REVIEW; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED A TOTAL OF 459 INSPECTOR-HOURS BY SIX NRC INSPECTORS INCLUDING 56 INSPECTOR-HOURS OFF-SHIFT. OF THE ELEVEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN TEN AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO IMPLEMENT A SURVEILLANCE PROCEDURE).

ENFORCEMENT SUMMARY

UNIT 2 TECHNICAL SPECIFICATION 6.8.1.C REQUIRES IMPLEMENTATION OF WRITTEN PROCEDURES FOR SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT. PROCEDURE 12 THP 4030 STP.207 "ICE CONDENSER LOWER INLET DOORS" AT PARAGRAPH 3.1.1, REQUIRES USE OF A CALIBRATED SCALE WITH A RANGE OF 0-10 POUNDS AND ACCURACY OF 0.1 POUNDS WHEN DETERMINING THE DOOR OPENING AND CLOSING FORCE. CONTRARY TO THE ABOVE, ON OCTOBER 5, 1981 THE TEST WAS PERFORMED WITH A 0-20 POUND SCALE AND ON AUGUST 22, 1983 THE TEST WAS PERFORMED WITH A 0-40 POUND SCALE.  
(8402 5)





Report Period APR 1984

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

\*\*\*\*\*  
\* COOK 2 \*  
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	03/11/84	04/06/84	ACTUATION OF AN ENGINEERED SAFETY FEATURE.

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1. Docket: 58-298                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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): \_\_\_\_\_

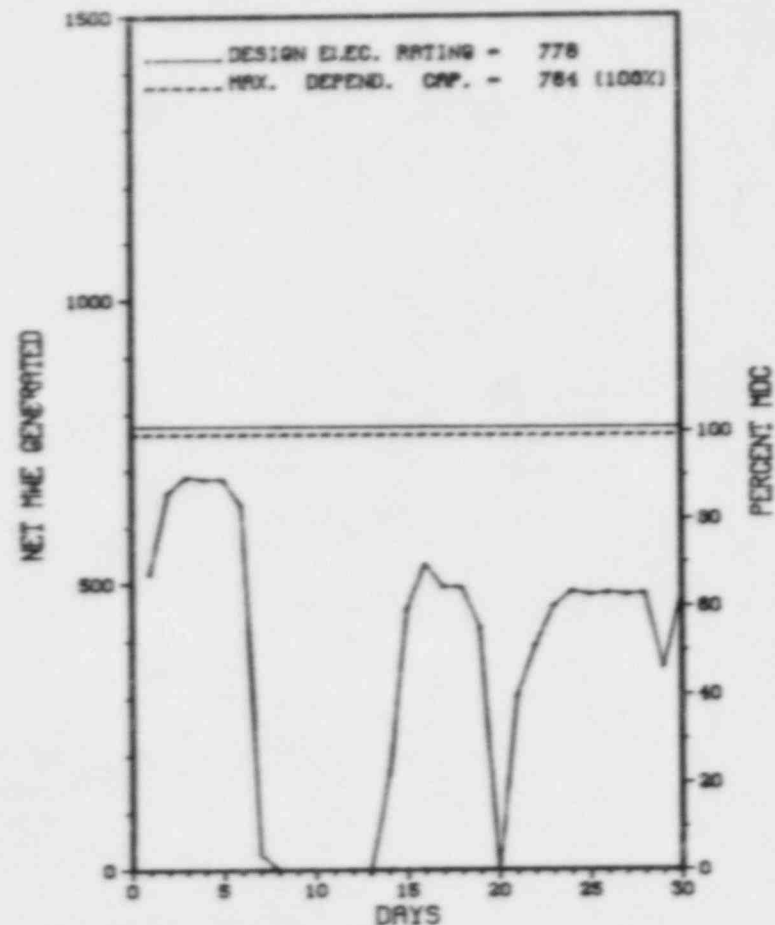
11. Reasons for Restrictions, If Any: \_\_\_\_\_  
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>86,288.0</u>
13. Hours Reactor Critical	<u>522.0</u>	<u>2,680.0</u>	<u>69,683.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>498.2</u>	<u>2,638.8</u>	<u>68,557.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>802,719</u>	<u>5,171,847</u>	<u>135,685,005</u>
18. Gross Elec Ener (MWH)	<u>263,000</u>	<u>1,738,871</u>	<u>43,145,226</u>
19. Net Elec Ener (MWH)	<u>252,349</u>	<u>1,665,554</u>	<u>41,582,213</u>
20. Unit Service Factor	<u>69.3</u>	<u>90.9</u>	<u>79.5</u>
21. Unit Avail Factor	<u>69.3</u>	<u>90.9</u>	<u>79.5</u>
22. Unit Cap Factor (MDC Net)	<u>45.9</u>	<u>75.1</u>	<u>63.1</u>
23. Unit Cap Factor (DER Net)	<u>45.1</u>	<u>73.7</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>7.7</u>	<u>3.1</u>	<u>3.8</u>
25. Forced Outage Hours	<u>41.5</u>	<u>84.9</u>	<u>2,842.2</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>1984 REFUELING &amp; MAINTENANCE-10/1/84 - 7 MONTHS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

\*\*\*\*\*  
\*                      COOPER STATION                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### COOPER STATION



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* COOPER STATION \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-3	04/07/84	S	179.3	B	2				MAINTENANCE OUTAGE.
84-5	04/19/84	F	41.5	A	2				LOSS OF BOTH SBTG CHARCOAL BEDS RESULTING IN A LOSS OF SECONDARY CONTAINMENT REQUIRED A CONTROLLED SHUTDOWN. A MANUAL SCRAM WAS INITIATED AT 1400 HOURS. CHARCOAL IN BOTH BEDS WAS REPLACED AND FUNCTIONALLY TESTED. THE PLANT THEN RETURNED TO SERVICE.

\*\*\*\*\* COOPER STATION OPERATED WITH 2 OUTAGES DURING THE REPORT PERIOD.

\* 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)

\*\*\*\*\*  
\* COOPER STATION \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 FEBRUARY 27-MARCH 2, 1984 (8402): ROUTINE, UNANNOUNCED INSPECTION OF MAINTENANCE PROGRAM, QA PROGRAM, ORGANIZATION AND ADMINISTRATION, AND QA RECORDS STORAGE. WITHIN THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 21-24, 1984 (8403): ROUTINE, UNANNOUNCED INSPECTION OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES, SECURITY PROGRAM AUDIT, PHYSICAL BARRIERS - PROTECTED AREAS, PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY, AND ASSESSMENT AIDS. WITHIN THE 6 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period APR 1984

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

\*\*\*\*\*  
\*                    COOPER STATION                    \*  
\*\*\*\*\*

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE POWER OPERATION

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

INSPECTION REPORT NO: 50-298/8403

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
L84-004	4/5/84	4/30/84	FAILURE OF RCIC TURBINE GOVENOR CONTROL SYSTEM TO MAINTAIN SPEED

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1. Docket: 50-302                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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:  
NONE

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

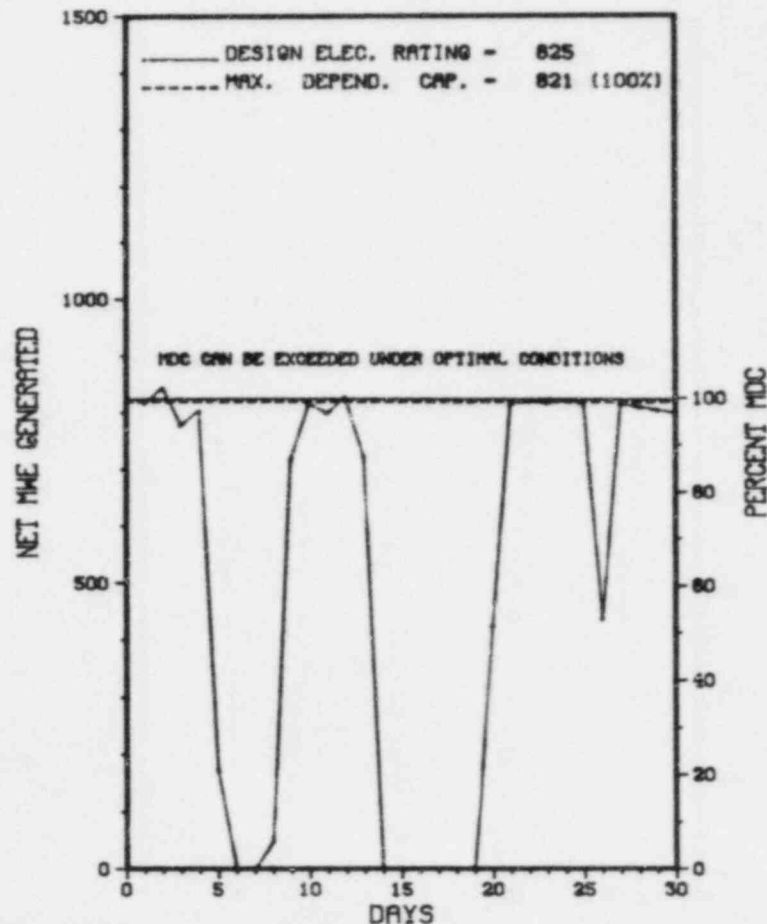
11. Reasons for Restrictions, If Any: \_\_\_\_\_  
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>62,543.0</u>
13. Hours Reactor Critical	<u>481.1</u>	<u>2,597.1</u>	<u>40,167.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>470.7</u>	<u>2,558.6</u>	<u>39,177.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,131,142</u>	<u>6,139,223</u>	<u>88,103,558</u>
18. Gross Elec Ener (MWH)	<u>390,930</u>	<u>2,136,607</u>	<u>30,063,343</u>
19. Net Elec Ener (MWH)	<u>372,486</u>	<u>2,037,313</u>	<u>28,554,396</u>
20. Unit Service Factor	<u>65.5</u>	<u>88.1</u>	<u>62.6</u>
21. Unit Avail Factor	<u>65.5</u>	<u>88.1</u>	<u>62.6</u>
22. Unit Cap Factor (MDC Net)	<u>63.1</u>	<u>85.5</u>	<u>55.6</u>
23. Unit Cap Factor (DER Net)	<u>62.8</u>	<u>85.1</u>	<u>55.3</u>
24. Unit Forced Outage Rate	<u>2.1</u>	<u>2.8</u>	<u>23.0</u>
25. Forced Outage Hours	<u>10.0</u>	<u>73.9</u>	<u>11,689.2</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>			

\*\*\*\*\*  
\* CRYSTAL RIVER 3 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### CRYSTAL RIVER 3



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* CRYSTAL RIVER 3 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-16	04/05/84	S	85.9	A	1		CH	HTEXCH	FEEDWATER PIPING DEVELOPED A LEAK.
84-17	04/13/84	S	152.4	A	1		CH	HTEXCH	FEEDWATER PIPING WAS LEAKING. LEAK WAS REPAIRED.
84-18	04/26/84	F	10.0	A	3	84-111	IF	INSTRU	NON-NUCLEAR INSTRUMENTATION FAILED WHILE TESTING POWER SUPPLY.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 CRYSTAL RIVER 3 OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING APRIL.

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 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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  
MUC 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 JANUARY 31 - FEBRUARY 24 (84-06): THIS ROUTINE INSPECTION INVOLVED 86 HOURS ON SITE BY THE RESIDENT INSPECTOR AND PROJECT ENGINEER IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, NUREG 0737-TMI ACTION PLAN AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACK SHIFTS. ONE DEVIATION WAS IDENTIFIED: (FAILURE TO COMPLETE CORRECTIVE ACTIONS AS DESCRIBED IN THE RESPONSE TO AN NRC VIOLATION, PARAGRAPH 3).

INSPECTION FEBRUARY 27 - MARCH 2 (84-07): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 64 INSPECTOR-HOURS ON SITE IN THE AREAS OF POST ACCIDENT SAMPLING SYSTEM, POSTING AND LABELING, AND PLANT TOURS. OF THE THREE AREAS INSPECTED, ONE APPARENT VIOLATION WAS FOUND IN ONE AREA.

INSPECTION MARCH 12-16 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 42 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT WATER CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 28 - MARCH 27 (84-09): THIS ROUTINE INSPECTION INVOLVED 113 INSPECTOR-HOURS ON SITE BY ONE RESIDENT INSPECTOR IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE ACTION ON IE BULLETINS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. THIS INSPECTION ALSO INVOLVED 28 INSPECTOR HOURS ONSITE BY A SECOND RESIDENT INSPECTOR DURING THE PERIOD MARCH 5-9, 1984, IN THE AREAS OF THE FIRE PROTECTION PROGRAM AND LICENSEE ACTION ON NUREG-0737, ITEM III.D.3.4. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACK SHIFTS. THREE VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED: (FAILURE TO TEST

INSPECTION SUMMARY

THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM AS REQUIRED BY TECHNICAL SPECIFICATION (TS) 4.7.7.1.C.4 (8)C; FAILURE TO FOLLOW THE SURVEILLANCE PROCEDURE USED TO DETERMINE REACTOR COOLANT SYSTEM (RCS) LEAKAGE; FAILURE TO USE CALIBRATED INSTRUMENTATION FOR THE DETERMINATION OF THE RCS LEAKAGE; FAILURE TO ESTABLISH AND IMPLEMENT THE ADMINISTRATIVE CONTROLS FOR STARTING OF THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM AS COMMITTED TO IN FSAR SECTION 9.7.2.1.G.

INSPECTION MARCH 21-23 (84-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 48 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL ENVIRONMENTAL MONITORING INCLUDING: MANAGEMENT AND ADMINISTRATIVE CONTROLS; STATUS REVIEW OF RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM; INSPECTION OF SELECTED MONITORING AND SAMPLING STATIONS; VERIFICATION OF DEPLOYMENT OF COLOCATED TLDs IN ACCORDANCE WITH THE NRC TLD DIRECT RADIATION MONITORING NETWORK PROGRAM; STATUS REVIEW OF ONSITE METEOROLOGICAL MONITORING PROGRAM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 2-6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 30 INSPECTOR-HOURS ON SITE IN THE AREAS OF TMI ACTION PLAN ITEM II.F.1.4, REACTOR PROTECTIVE SYSTEM, SURVEILLANCE TESTING, CORE FLOOD SYSTEM WALKDOWN, SHUTDOWN MARGIN CALCULATIONS, AND PLANT TOURS. 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:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: APRIL 2-6, 1984 +

INSPECTION REPORT NO: 50-302/84-11 +

Report Period APR 1984

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

\*\*\*\*\*  
\* CRYSTAL RIVER 3 \*  
\*\*\*\*\*

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-003/ --	02/28/84	03/29/84	FAULT OCCURRED IN 230 KV ELECTRICAL SYSTEM EXTERNAL TO CR-3, RESULTING IN REACTOR SHUTDOWN, PLT. ELEC. LINE-UP MAJOR FACTOR.
84-004/ --	02/28/84	3/30/84	SIX MANUAL ISOLATION VALVES CLOSED, DUE TO PERSONNEL ERROR AND INADEQUACIES.

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1. Docket: 50-346                    O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: BILAL SARSOOR (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):                    916

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): \_\_\_\_\_

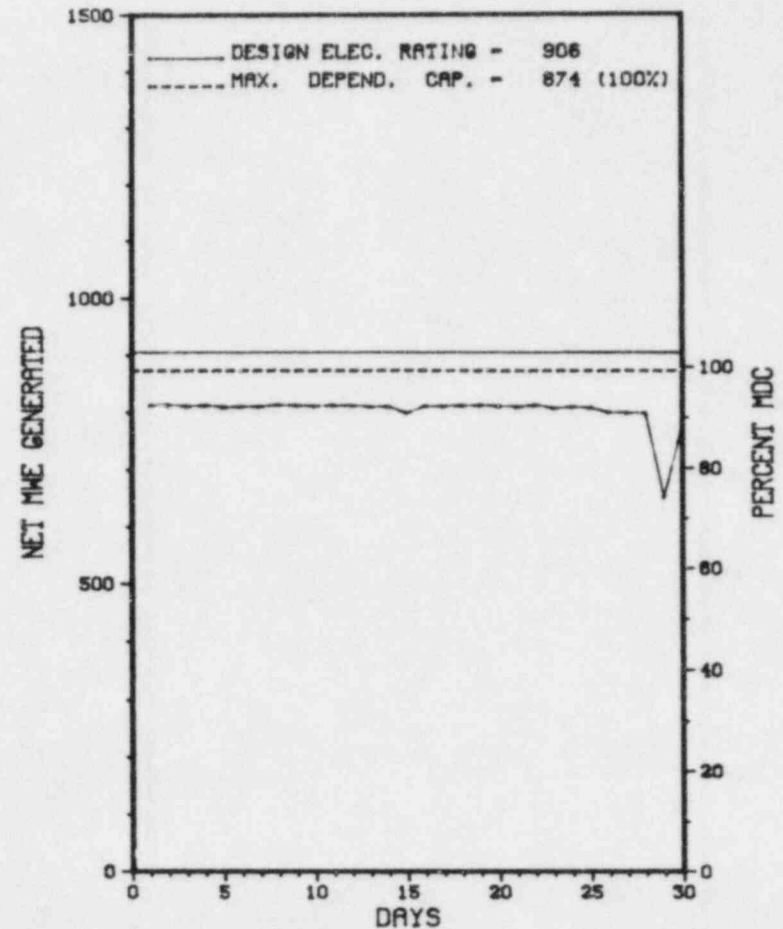
11. Reasons for Restrictions, If Any: \_\_\_\_\_  
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>50,424.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,385.3</u>	<u>29,887.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>134.8</u>	<u>4,014.1</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,352.2</u>	<u>28,504.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>1,857,462</u>	<u>6,091,304</u>	<u>67,135,118</u>
18. Gross Elec Ener (MWH)	<u>610,733</u>	<u>2,008,016</u>	<u>22,300,209</u>
19. Net Elec Ener (MWH)	<u>578,998</u>	<u>1,889,563</u>	<u>20,888,262</u>
20. Unit Service Factor	<u>100.0</u>	<u>81.0</u>	<u>56.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>81.0</u>	<u>60.0</u>
22. Unit Cap Factor (MDC Net)	<u>92.1</u>	<u>74.5</u>	<u>47.4</u>
23. Unit Cap Factor (DER Net)	<u>88.9</u>	<u>71.8</u>	<u>45.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>19.0</u>	<u>18.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>550.8</u>	<u>7,134.8</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>REFUELING OUTAGE, 9/1/84 - 11/9/84</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

\*\*\*\*\*  
\*                    DAVIS-BESSE 1                    \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### DAVIS-BESSE 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* DAVIS-BESSE 1 \*  
\*\*\*\*\*

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

NONE

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
DAVIS-BESSE 1 OPERATED AT NEAR FULL POWER 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)







Report Period APR 1984

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

\*\*\*\*\*  
\*                   DAVIS-BESSE 1                   \*  
\*\*\*\*\*

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 6 - MAY 16, 1984

INSPECTION REPORT NO: 84-07

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
84-01	01/08/84	03/29/84	TRIP CAUSED BY AUTO INSERTION OF AXIAL POWER SHAPING RODS.
84-03	03/02/84	03/30/84	TRIP DUE TO CLOSURE OF MAIN STEAM ISO. VALVE.

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3. Docket: 50-237 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>122,423.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,903.0</u>	<u>95,128.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,881.1</u>	<u>90,782.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,774,909</u>	<u>6,844,806</u>	<u>183,582,402</u>
18. Gross Elec Ener (MWH)	<u>577,297</u>	<u>2,235,524</u>	<u>58,738,691</u>
19. Net Elec Ener (MWH)	<u>548,112</u>	<u>2,128,336</u>	<u>55,525,780</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.2</u>	<u>74.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.2</u>	<u>74.2</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>95.0</u>	<u>58.8</u>
23. Unit Cap Factor (DER Net)	<u>96.0</u>	<u>92.3</u>	<u>57.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>11.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>21.9</u>	<u>4,442.1</u>

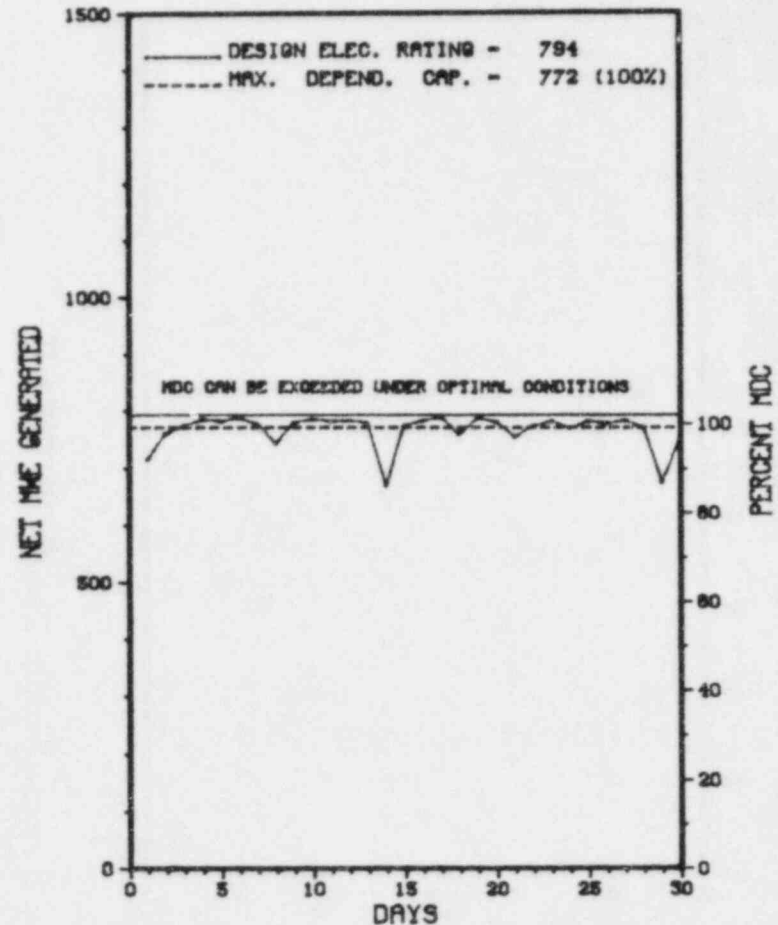
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
MAY 19, 1984 FOR SNUBBER INSPECTION.

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

\*\*\*\*\*  
\* DRESDEN 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



APRIL 1984

Report Period APR 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 AT OR NEAR FULL POWER DURING APRIL.

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	7-Other	(LER) File (NUREG-0161)

\*\*\*\*\*  
\* DRESDEN 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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

INSPECTION ON OCTOBER 25-27, NOVEMBER 3, 11, 18, AND DECEMBER 6, 20, 22, JANUARY 4, 6, 9-10, FEBRUARY 1, 6, 14-15, AND MARCH 23, (83-31): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES, IE BULLETINS, PREVIOUS INSPECTION FINDINGS, AND MEETINGS AT EPRI-NDE CENTER AND THE NRC HEADQUARTERS. THIS INSPECTION INVOLVED A TOTAL OF 150 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 26 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DURING THE PERIOD OF JANUARY 20 THROUGH MARCH 26, (84-03): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, HEADQUARTERS AND REGIONAL REQUESTS, I.E. BULLETINS, I.E. CIRCULARS, LICENSEE EVENT REPORTS, FOLLOWUP OF EVENTS, OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES VERIFICATION AND MAINTENANCE, SURVEILLANCE, SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, THREE MILE ISLAND MODIFICATIONS, ALLEGATION AND CONTRACTOR CON-CERNS, SPENT NUCLEAR FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 590 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 155 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 16 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 15 AREAS; 2 ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 1 AREA. (INADEQUATE PROCEDURES AND, FAILURE TO ADHERE TO RADIATION PROTECTION STANDARDS).

INSPECTION ON FEBRUARY 27 - MARCH 2, (84-05): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 210 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.



1. Docket: 50-249 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>112,008.0</u>
13. Hours Reactor Critical	<u>203.0</u>	<u>326.0</u>	<u>63,161.2</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>-5,774</u>	<u>-15,956</u>	<u>49,214,627</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>71.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>71.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.3</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>

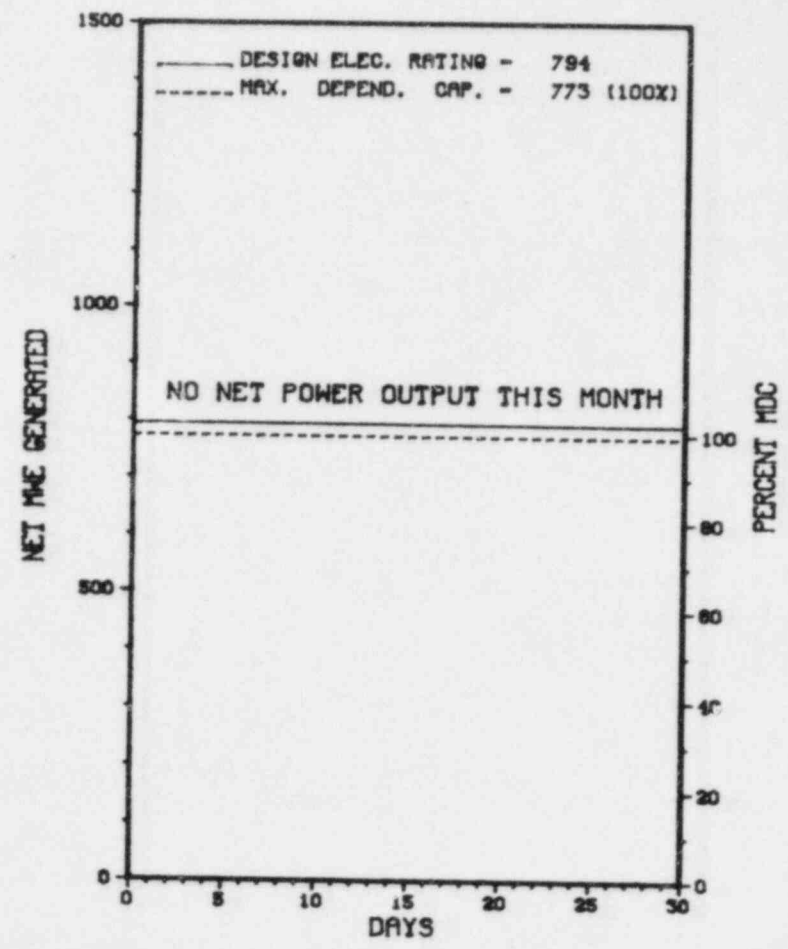
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 06/11/84

\*\*\*\*\*  
\* DRESDEN 3 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



APRIL 1984



Report Period APR 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	719.0	C	4			MAIN TURBINE REPAIR CONTINUES.

\*\*\*\*\* DRESDEN 3 REMAINS SHUTDOWN IN A CONTINUING TURBINE REPAIR 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)

\*\*\*\*\*  
\* DRESDEN 3 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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

INSPECTION ON OCTOBER 25-27, NOVEMBER 3, 11, 18, AND DECEMBER 6, 20, 22, JANUARY 4, 6, 9-10, FEBRUARY 1, 6, 14-15, AND MARCH 23, (83-29): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES, IE BULLETINS, PREVIOUS INSPECTION FINDINGS, AND MEETINGS AT EPRI-NDE CENTER AND THE NRC HEADQUARTERS. THIS INSPECTION INVOLVED A TOTAL OF 150 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 26 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DURING THE PERIOD OF JANUARY 20 THROUGH MARCH 26, (84-02): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, HEADQUARTERS AND REGIONAL REQUESTS, I.E. BULLETINS, I.E. CIRCULARS, LICENSEE EVENT REPORTS, FOLLOWUP OF EVENTS, OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES VERIFICATION AND MAINTENANCE, SURVEILLANCE, SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, THREE MILE ISLAND MODIFICATIONS, ALLEGATION AND CONTRACTOR CON-CERNS, SPENT NUCLEAR FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 590 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 155 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 16 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 15 AREAS; 2 ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 1 AREA. (INADEQUATE PROCEDURES AND, FAILURE TO ADHERE TO RADIATION PROTECTION STANDARDS).

INSPECTION ON FEBRUARY 27 - MARCH 2, (84-04): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 210 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.



1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>81,047.0</u>
13. Hours Reactor Critical	<u>323.8</u>	<u>2,342.4</u>	<u>58,277.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>307.3</u>	<u>2,300.2</u>	<u>56,742.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>478,944</u>	<u>3,523,560</u>	<u>71,272,122</u>
18. Gross Elec Ener (MWH)	<u>161,951</u>	<u>1,198,625</u>	<u>23,892,682</u>
19. Net Elec Ener (MWH)	<u>152,885</u>	<u>1,131,465</u>	<u>22,367,835</u>
20. Unit Service Factor	<u>42.7</u>	<u>79.2</u>	<u>70.0</u>
21. Unit Avail Factor	<u>42.7</u>	<u>79.2</u>	<u>70.0</u>
22. Unit Cap Factor (MDC Net)	<u>41.3</u>	<u>75.7</u>	<u>53.6</u>
23. Unit Cap Factor (DER Net)	<u>39.5</u>	<u>72.4</u>	<u>51.3</u>
24. Unit Forced Outage Rate	<u>57.3</u>	<u>20.8</u>	<u>17.4</u>
25. Forced Outage Hours	<u>411.7</u>	<u>602.8</u>	<u>11,937.1</u>

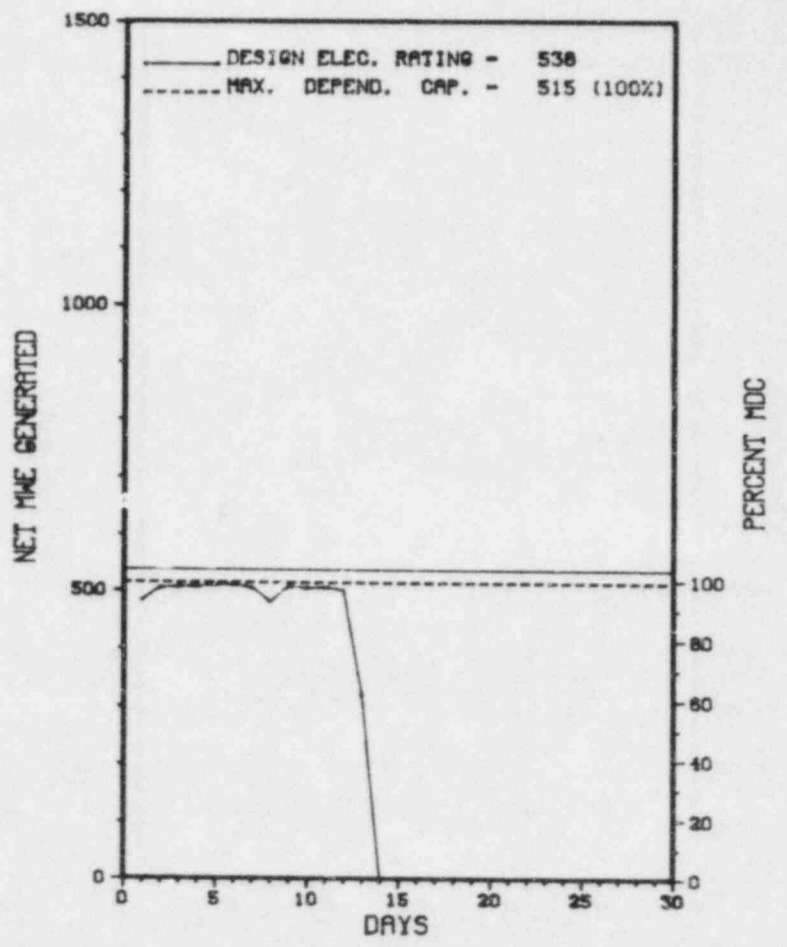
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
MAINTENANCE OUTAGE: MAY 16, 1984, 2 TO 4 WEEKS.

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

\*\*\*\*\*  
\* DUANE ARNOLD \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* DUANE ARNOLD \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/13/84	F	411.7	A	1	84-013			"A" RECIRCULATION BYPASS VALVE AND ITS ASSOCIATED VENT VALVE HAD PACKING, LEAKAGE. THE PACKING WAS REPAIRED, STOPPING THE LEAKAGE.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 DUANE ARNOLD SHUTDOWN ON APRIL 13TH FOR AN EQUIPMENT 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)

\*\*\*\*\*  
\* DUANE ARNOLD \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 1984

FACILITY DESCRIPTION

LOCATION  
STATE.....IOWA  
COUNTY.....LINN  
DIST AND DIRECTION FROM  
NEAREST POPULATION CTR...8 MI NW OF  
CEDAR RAPIDS, IA  
TYPE OF REACTOR.....BWR  
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 FEBRUARY 21 - FEBRUARY 24, (84-03): SPECIAL, ANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF THE LICENSEE'S REGULATORY PERFORMANCE IMPROVEMENT PROGRAM. THE INSPECTION INVOLVED SIX INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 1 - MARCH 31, (84-04): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; IE BULLETINS; REGIONAL REQUESTS; HEADQUARTERS REQUESTS; FIRE PROTECTION; OPERATIONS AND SAFETY REVIEW COMMITTEES; AUDITS; TMI ITEMS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 130 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 15 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 12 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ACCESS CONTROL TO AN AREA CONTAINING VITAL EQUIPMENT DID NOT MEET SECURITY PLAN CRITERIA. SOME SAFEGUARDS INFORMATION WAS NOT PROTECTED AS REQUIRED BY THE LICENSEE'S PROCEDURE AND 10 CFR 73.21.

(8319 3)



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

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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

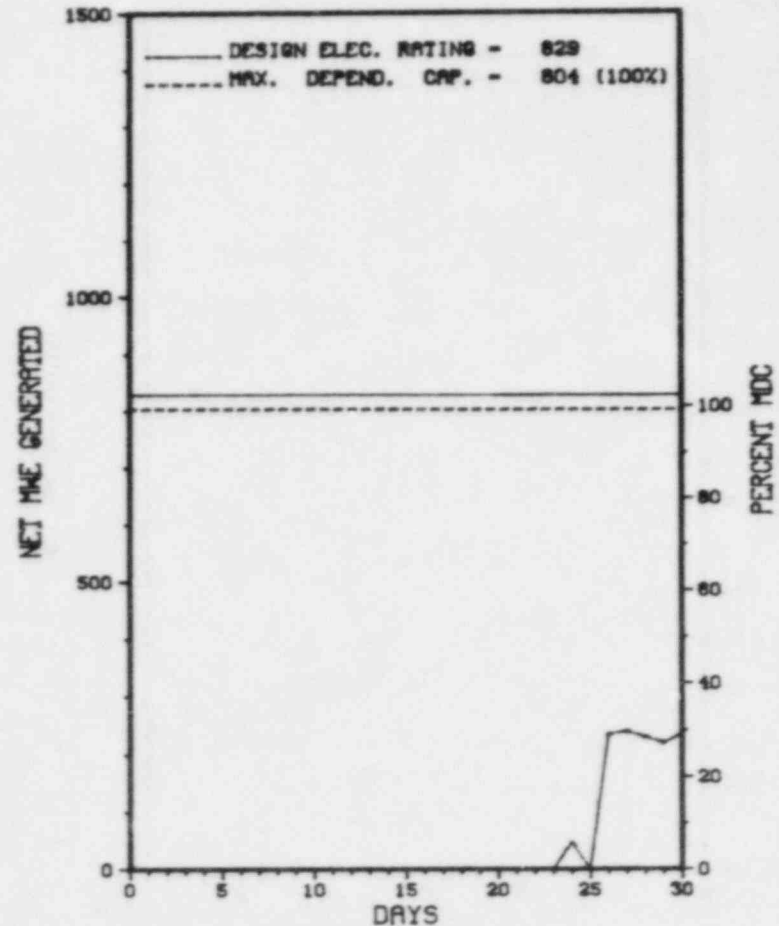
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>56,231.0</u>
13. Hours Reactor Critical	<u>186.8</u>	<u>1,124.8</u>	<u>36,248.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>135.5</u>	<u>1,040.0</u>	<u>35,143.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>124,058</u>	<u>2,484,842</u>	<u>88,586,366</u>
18. Gross Elec Ener (MWH)	<u>35,102</u>	<u>786,764</u>	<u>28,028,628</u>
19. Net Elec Ener (MWH)	<u>19,404</u>	<u>721,398</u>	<u>26,422,460</u>
20. Unit Service Factor	<u>18.8</u>	<u>35.8</u>	<u>62.5</u>
21. Unit Avail Factor	<u>18.8</u>	<u>35.8</u>	<u>62.5</u>
22. Unit Cap Factor (MDC Net)	<u>3.4</u>	<u>30.9</u>	<u>59.0*</u>
23. Unit Cap Factor (DER Net)	<u>3.3</u>	<u>30.0</u>	<u>56.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.1</u>	<u>15.1</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): <u>NONE</u>			

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

\*\*\*\*\*  
\* FARLEY 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



APRIL 1984

\* Item calculated with a Weighted Average



\*\*\*\*\*  
 \* FARLEY 1 \*  
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UNIT SHUTDOWNS / REDUCTIONS

Report Period APR 1984

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
003	02/10/84	S	544.0	C	4	84-002-00		THE CYCLE V-VI REFUELING OUTAGE CONTINUED FROM 2-10-84.
004	04/24/84	S	39.5	B	1			UNIT SHUT DOWN FOR TURBINE OVERSPEED TRIP TEST.

\*\*\*\*\*  
 \* 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 (HUREG-0161)

\*\*\*\*\*  
\* FARLEY 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 MARCH 19-22 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (UNIT 1), FEEDWATER REDUCER REPLACEMENTS (UNIT 1), AND PREVIOUS ENFORCEMENT MATTERS (UNIT 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 26-30 (84-08): THIS INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE AREAS INSPECTED INCLUDED: SITE ORIENTATION; REVIEW OF CHANGES IN IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT, PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE OF PHYSICAL BARRIERS-PROTECTED AREAS 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 15 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION MARCH 26-30 (84-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE INSPECTION. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 17 - APRIL 10 (84-10): THIS ROUTINE INSPECTION INVOLVED 80 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT STATUS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, PHYSICAL PROTECTION, ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN, UNIT 2 TRIPS, UNIT 1 CONTAINMENT BUILDING INSPECTIONS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.59 ALLOWS THE LICENSEE TO MAKE CHANGES TO THE FACILITY AS DESCRIBED IN THE FSAR WITHOUT PRIOR COMMISSION APPROVAL PROVIDED THAT THE CHANGE DOES NOT INVOLVE A CHANGE TO THE TECHNICAL SPECIFICATIONS OR CONSTITUTE AN UNREVIEWED SAFETY QUESTION. THE LICENSEE IS REQUIRED TO MAINTAIN RECORDS WHICH INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR DETERMINING THAT THE CHANGE DOES NOT CONSTITUTE AN UNREVIEWED SAFETY QUESTION. THE SPENT FUEL POOL DESIGN FEATURES ARE DESCRIBED IN THE FSAR, INCLUDING DESIGN FEATURES TO PREVENT DEWATERING. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT PERFORM A WRITTEN SAFETY EVALUATION PRIOR TO TRANSFERRING WATER FROM THE SPENT FUEL POOL TO THE TRANSFER CANAL USING A SUBMERSIBLE PUMP. THE SUBMERSIBLE PUMP IS A CHANGE TO THE SPENT FUEL POOL AS DESCRIBED IN THE FSAR.  
 (8405 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS. STARTED UP ON 4/22/84 FOLLOWING A REFUELING OUTAGE. +

LAST IE SITE INSPECTION DATE: MARCH 17 - APRIL 10, 1984 +

INSPECTION REPORT NO: 50-348/84-10 +

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
84-008/ --	03/02/84	03/29/84	CONTROL ROOM FIRE BARRIER PENETRATION FOR NRC RED PHONE CABLE NOT PROPERLY SEALED.
84-009/ --	03/11/84	03/30/84	SPARE CONTAINMENT ELECTRICAL PENETRATIONS WERE OPENED TO ALLOW MODIFICATIONS DESIGN AND ENHANCE OUTAGE WORK, BUT WERE NOT RETURNED TO FUNCTIONAL STATUS ON TIME.

1. Docket: 50-364 OPERATING STATUS
2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0
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

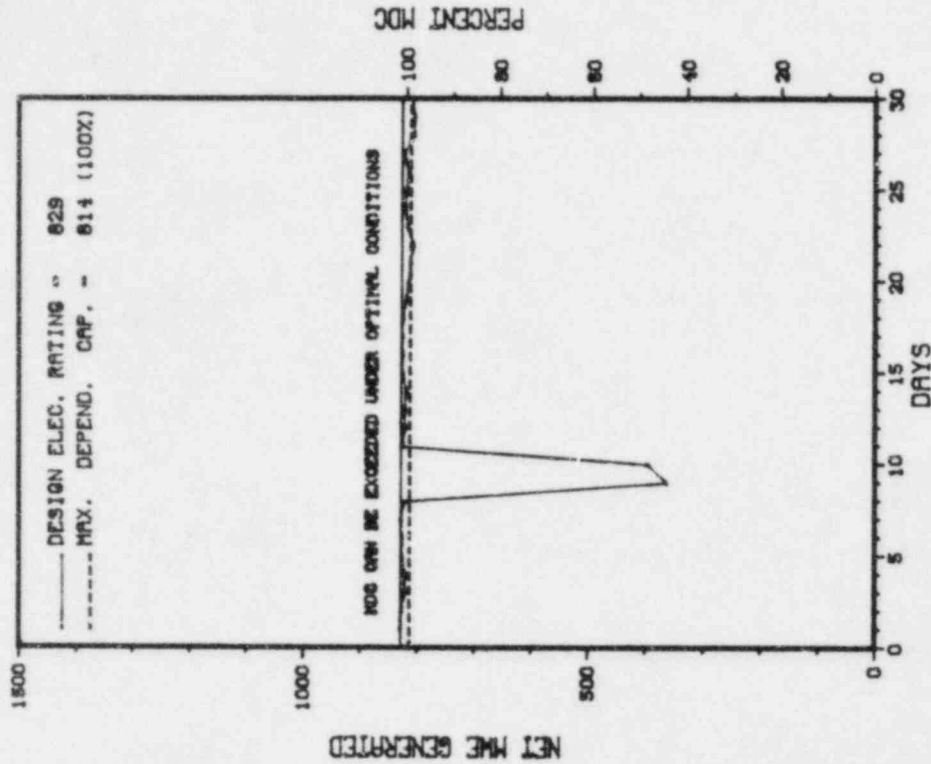
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>24,144.0</u>
13. Hours Reactor Critical	<u>708.3</u>	<u>2,856.0</u>	<u>21,392.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>704.5</u>	<u>2,807.7</u>	<u>21,106.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>1,845,190</u>	<u>7,298,586</u>	<u>54,209,278</u>
18. Gross Elec Ener (MMH)	<u>597,574</u>	<u>2,384,342</u>	<u>17,371,190</u>
19. Net Elec Ener (MMH)	<u>569,044</u>	<u>2,268,744</u>	<u>16,468,770</u>
20. Unit Service Factor	<u>98.0</u>	<u>96.7</u>	<u>87.4</u>
21. Unit Avail Factor	<u>98.0</u>	<u>96.7</u>	<u>87.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.2</u>	<u>96.0</u>	<u>83.8</u>
23. Unit Cap Factor (DER Net)	<u>95.5</u>	<u>94.3</u>	<u>82.3</u>
24. Unit Forced Outage Rate	<u>2.0</u>	<u>3.3</u>	<u>5.1</u>
25. Forced Outage Hours	<u>14.5</u>	<u>95.3</u>	<u>1,127.1</u>

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

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

\*\*\*\*\*  
 \* FARLEY 2 \*  
 \*\*\*\*\*  
 AVERAGE DAILY POWER LEVEL (MWe) PLOT

## FARLEY 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* FARLEY 2 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
005	04/09/84	F	14.5	G	3	84-005-00			REACTOR TRIP DUE TO IMPROPER PERFORMANCE OF SURVEILLANCE TEST.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
FARLEY 2 OPERATED WITH 1 OUTAGE AND NO REDUCTIONS DURING APRIL.

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)

\*\*\*\*\*  
\* FARLEY 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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.....BFCHTEL  
  
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 MARCH 19-22 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (UNIT 1), FEEDWATER REDUCER REPLACEMENTS (UNIT 1), AND PREVIOUS ENFORCEMENT MATTERS (UNIT 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 26-30 (84-08): THIS INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE AREAS INSPECTED INCLUDED: SITE ORIENTATION; REVIEW OF CHANGES IN IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT, PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREAS 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 15 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION MARCH 26-30 (84-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 27 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT WATER CHEMISTRY AND INSERVICE INSPECTION. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 17 - APRIL 10 (84-10): THIS ROUTINE INSPECTION INVOLVED 80 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT STATUS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, PHYSICAL PROTECTION, ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN, UNIT 2 TRIPS, UNIT 1 CONTAINMENT BUILDING INSPECTIONS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.



1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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): \_\_\_\_\_

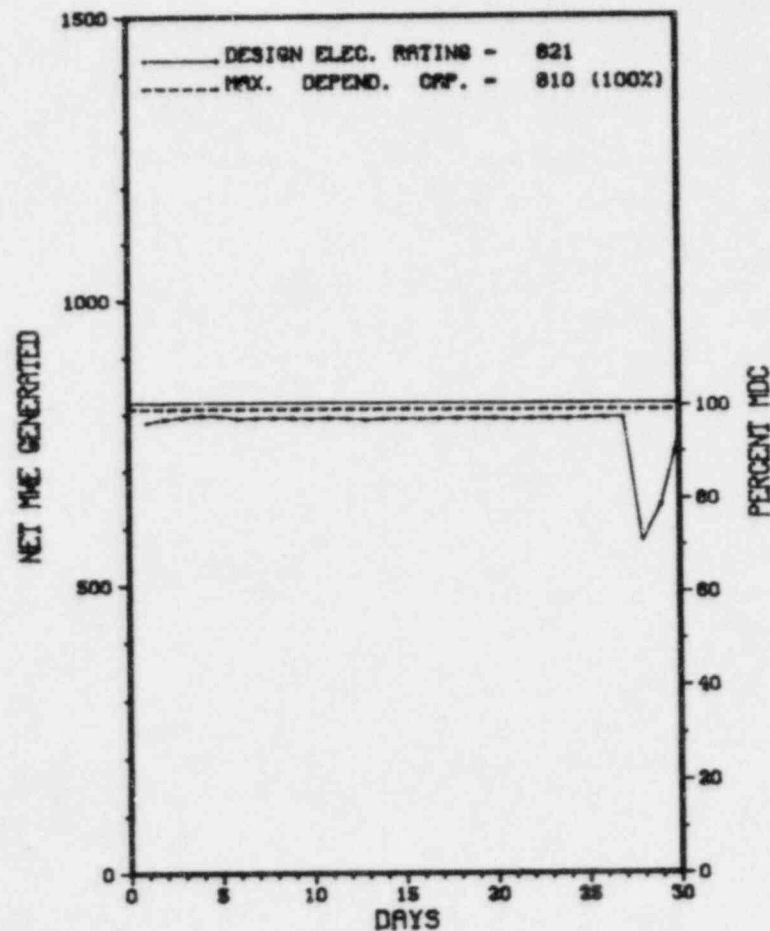
11. Reasons for Restrictions, If Any: \_\_\_\_\_  
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>76,800.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,593.3</u>	<u>55,122.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,520.6</u>	<u>53,720.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,721,088</u>	<u>5,751,672</u>	<u>113,488,258</u>
18. Gross Elec Ener (MWH)	<u>580,280</u>	<u>1,928,470</u>	<u>38,585,790</u>
19. Net Elec Ener (MWH)	<u>562,090</u>	<u>1,866,135</u>	<u>37,364,775</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.8</u>	<u>69.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.8</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>96.5</u>	<u>79.4</u>	<u>63.6*</u>
23. Unit Cap Factor (DER Net)	<u>95.2</u>	<u>78.3</u>	<u>59.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.9</u>	<u>14.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>103.4</u>	<u>8,986.6</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>MAINTENANCE: 09/01/84 - 1 MONTH</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

\*\*\*\*\*  
\* FITZPATRICK \*  
\*\*\*\*\*

AVERAGE DAILY PCWER LEVEL (MWe) PLOT

### FITZPATRICK



APRIL 1984

\* Item calculated with a Weighted Average



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* FITZPATRICK \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	04/28/84	S	0.0	H	5				REDUCED POWER FOR ROD PATTERN ADJUSTMENT.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 THE FITZPATRICK PLANT OPERATED AT NEAR FULL THERMAL POWER FOR THIS REPORTING PERIOD WITH ONE POWER REDUCTION FOR CONTROL ROD SEQUENCE EXCHANGE.

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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 ENER 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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):



1. Docket: 50-285 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>92,904.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>2,152,797</u>	<u>88,912,511</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>640,258</u>	<u>29,319,682</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>656,538</u>	<u>27,736,398</u>
20. Unit Service Factor	<u>.0</u>	<u>51.3</u>	<u>76.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>51.3</u>	<u>76.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>51.6</u>	<u>65.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>47.3</u>	<u>62.5</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>

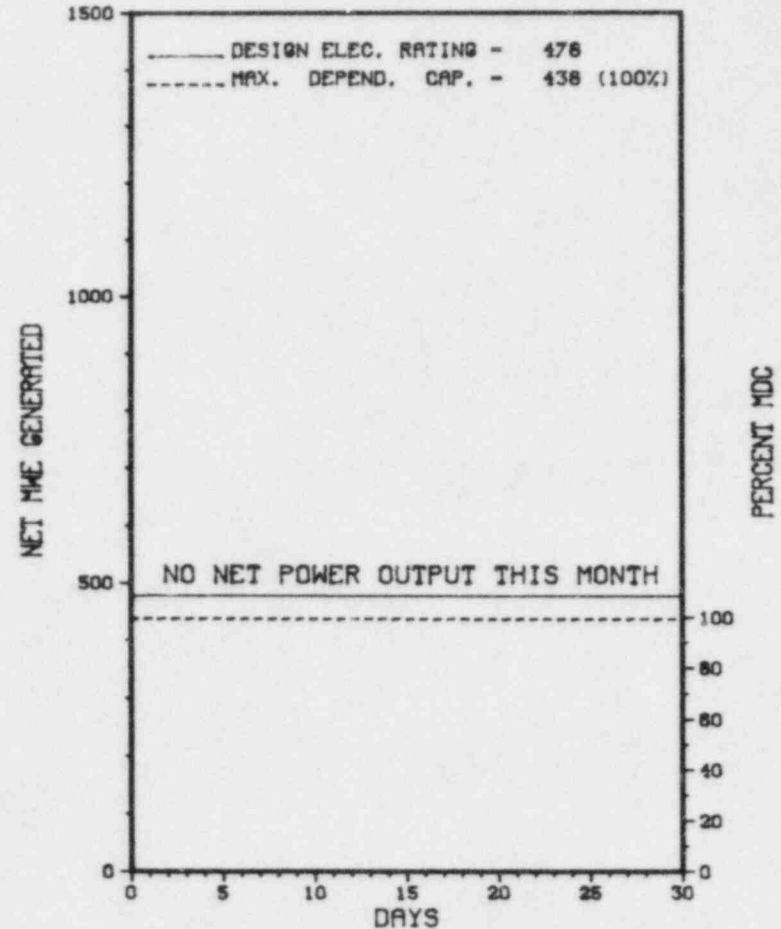
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 05/20/84

\*\*\*\*\*  
\* FORT CALHOUN 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 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	719.0	C	4		RX	FUELXX	1984 REFUELING OUTAGE CONTINUES.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
FORT CALHOUN 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		



Report Period APR 1984

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

\*\*\*\*\*  
\*                    FORT CALHOUN 1                    \*  
\*\*\*\*\*

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1984

INSPECTION REPORT NO: 50-285/84-07

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	3/3/84	4/2/84	FAILURE OF MS SAFETY VALVE TO LIFT WITHIN SETPOINT TOLERANCE
84-03	3/14/84	4/13/84	PARTIAL LOSS OF DC POWER
84-04	3/3/84	4/5/84	REACTOR COOLANT DOSE EQUIVALENT IODINE LIMIT EXCEEDED.

=====

1. Docket: 50-267 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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:  
PENDING COMPLETION OF B-0 STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>42,384.0</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>-2,507</u>	<u>64,924</u>	<u>2,936,454</u>
20. Unit Service Factor	<u>.0</u>	<u>15.4</u>	<u>43.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>15.4</u>	<u>43.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>6.8</u>	<u>21.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>6.8</u>	<u>21.0</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>

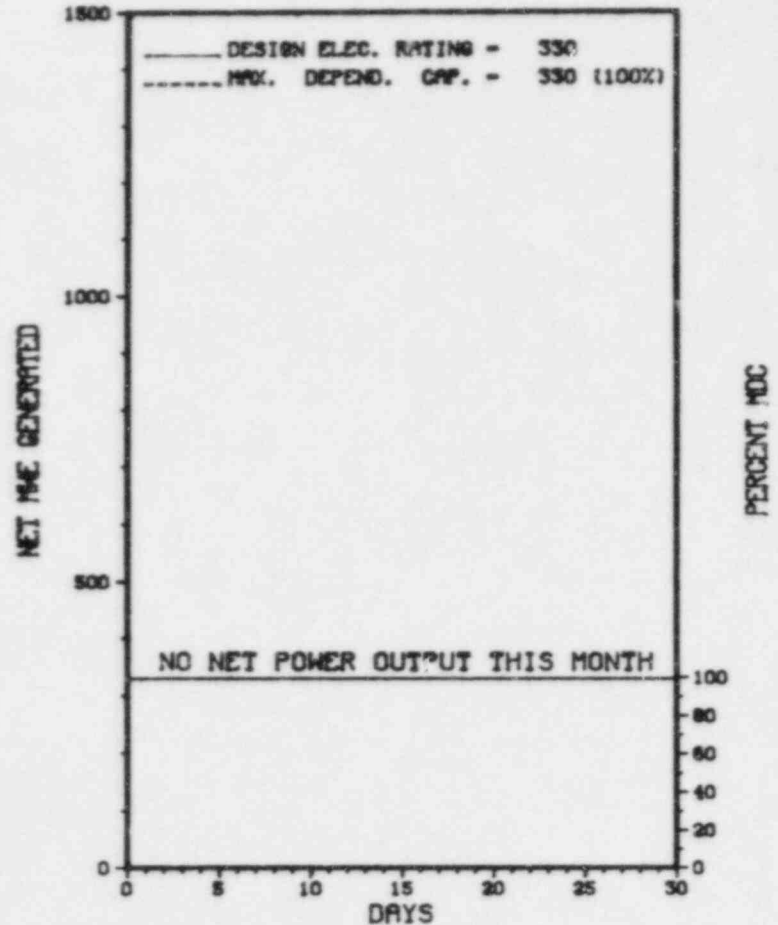
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
5-1-84 THROUGH 5-28-84, MAINTENANCE.

27. If Currently Shutdown Estimated Startup Date: 05/28/84

\*\*\*\*\*  
\* FORT ST VRAIN \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



APRIL 1984



Report Period APR 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	719.0	C	4		RC	FUELXX	REFUELING, TURBINE OVERHAUL, "A" HELIUM CIRCULATOR CHANGEOUT, PCRV TENDON SURVEILLANCE, ROUTINE CORRECTIVE AND PREVENTIVE MAINTENANCE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
FORT ST. VRAIN REMAINS SHUTDOWN IN A 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)

\*\*\*\*\*  
\* FORT ST VRAIN \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 1984

FACILITY DESCRIPTION

LOCATION  
STATE.....COLORADO  
  
COUNTY.....WELD  
  
DIST AND DIRECTION FROM  
NEAREST POPULATION CTR...35 MI N OF  
DENVER, COL  
  
TYPE OF REACTOR.....HTGP  
  
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

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 7.4.D STATED THAT PROCEDURE FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20, AND SHALL BE APPROVED, MAINTAINED, AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. SPECIFICALLY, SECTION 4.1.6.3 OF HPP-26, "RADIOACTIVE MATERIAL CONTROL AND HANDLING," ISSUE 6, DATED JULY 7, 1983, STATED IN PART THAT CLOTHING NOT MEETING THE LIMIT OF 100 COUNTS PER MINUTE (CPM) ABOVE BACKGROUND SHALL BE STORED FOR DELAY AND SUBSEQUENT REWASHING. CONTRARY TO THE ABOVE, A MAINTENANCE WORKER WAS OBSERVED TO HAVE IN HIS POSSESSION ON FEBRUARY 9, 1984, A SET OF ANTI-CONTAMINATION CLOTHING THAT HE HAD SURVEYED TO INDICATE GREATER THAN 400 CPM ABOVE BACKGROUND AND HE DID NOT STORE THEN FOR DELAY AND SUBSEQUENT REWASHING.  
(8404 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period APR 1984

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

\*\*\*\*\*  
\*                    F O R T   S T   V R A I N                    \*  
\*\*\*\*\*

OTHER ITEMS

MAJOR ELECTRICAL MODIFICATIONS TO THE AUXILIARY ELECTRICAL SYSTEM, INSTRUMENT POWER SYSTEM, 480V AC DISTRIBUTION SYSTEM, AND 4160/480V AC TRANSFORMERS ARE SCHEDULED FOR THIS REFUELING OUTAGE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THIRD REFUELING OUTAGE BEGAN JANUARY 19, 1984, AND IS STILL CONTINUING

LAST IE SITE INSPECTION DATE: FEBRUARY 13-16, 1984

INSPECTION REPORT NO: 50-267/84-07

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
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=====

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

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>126,479.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>2,207,424</u>	<u>128,464,793</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>733,488</u>	<u>41,897,859</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>697,630</u>	<u>39,723,874</u>
20. Unit Service Factor	<u>.0</u>	<u>51.3</u>	<u>73.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>51.3</u>	<u>73.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>51.1</u>	<u>69.0*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.1</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>

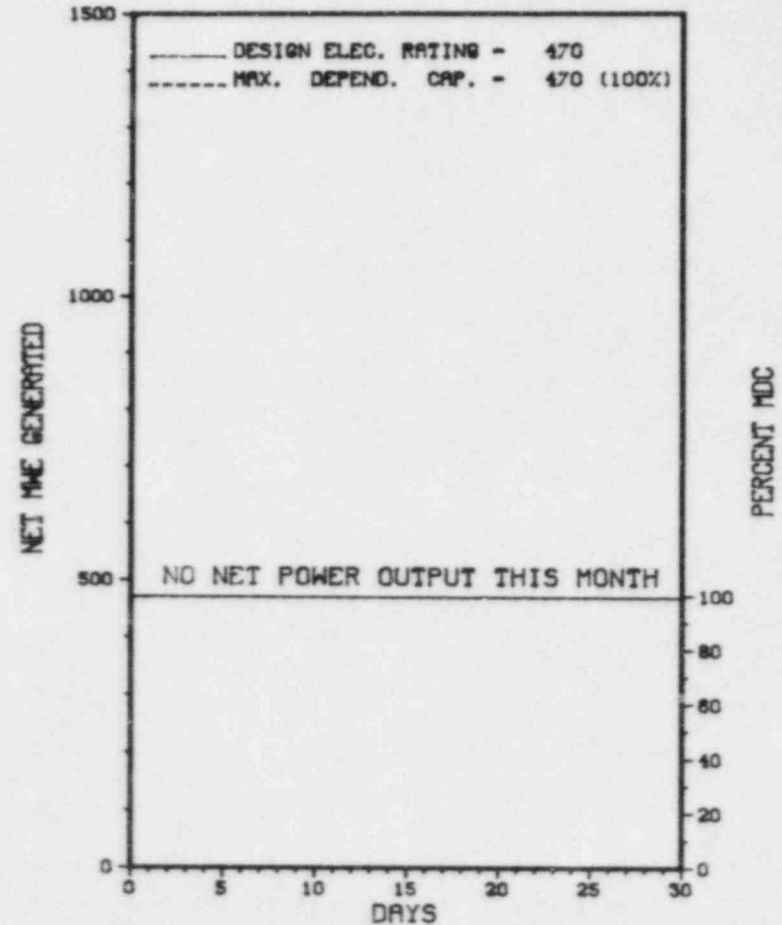
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 05/16/84

\*\*\*\*\*  
\*                      GINNA                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 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	719.0	C	4		RC	FUELXX	REFUELING & MAINTENANCE CONTINUES.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 GINNA 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)

\*\*\*\*\*  
\* GINNA \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

LOCATION  
STATE.....NEW YORK  
COUNTY.....WAYNE  
DIST AND DIRECTION FROM  
NEAREST POPULATION CTR...15 MI NE OF  
ROCHESTER, NY  
TYPE OF REACTOR.....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.....W. COOK  
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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
M GINNA  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

Report Period APR 1984

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: 50-213 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>143,159.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,903.0</u>	<u>124,104.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,200.5</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,903.0</u>	<u>118,810.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>373.7</u>
17. Gross Therm Ener (MWH)	<u>1,308,920</u>	<u>5,258,590</u>	<u>206,631,150</u>
18. Gross Elec Ener (MWH)	<u>434,953</u>	<u>1,749,318</u>	<u>67,862,561</u>
19. Net Elec Ener (MWH)	<u>415,446</u>	<u>1,670,374</u>	<u>64,571,075</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>83.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>83.3</u>
22. Unit Cap Factor (MDC Net)	<u>101.5</u>	<u>101.1</u>	<u>82.9*</u>
23. Unit Cap Factor (DER Net)	<u>99.3</u>	<u>98.9</u>	<u>77.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,158.0</u>

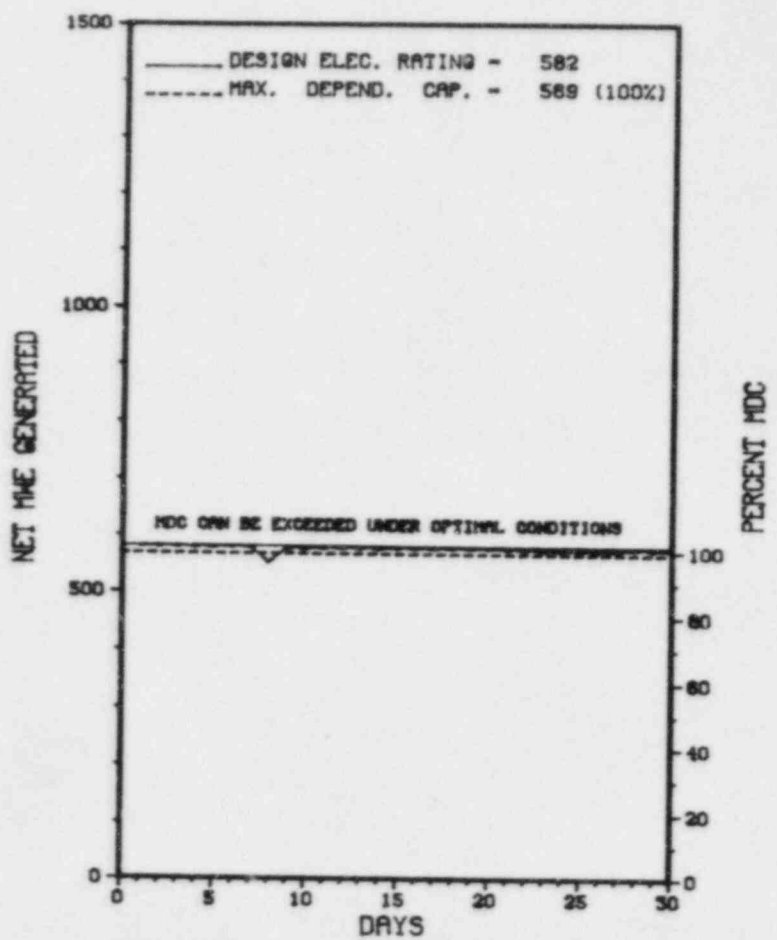
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
REFUELING: 7/28/84 - 10 WEEKS

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

\*\*\*\*\*  
\* HADDAM NECK \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



APRIL 1984

\* Item calculated with a Weighted Average



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* HADDAM NECK \*  
\*\*\*\*\*

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

NONE

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
HADDAM NECK (CONNECTICUT YANKEE) OPERATED AT FULL POWER DURING  
THE APRIL REPORT PERIOD.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System &amp; 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
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training		
	& License Examination		

\*\*\*\*\*  
\* HADDAM NECK \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

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 & CONTRACTOR INFORMATION

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

TECHNICAL SPECIFICATION PARAGRAPH 6.5.2.8.C STATES, "AUDITS OF FACILITY ACTIVITIES SHALL BE PERFORMED UNDER THE COGNIZANCE OF NRB. THESE AUDITS SHALL ENCOMPASS THE RESULTS OF ALL ACTIONS TAKEN TO CORRECT DEFICIENCIES OCCURRING IN FACILITY EQUIPMENT, STRUCTURES, SYSTEMS, OR METHOD OF OPERATION THAT AFFECT NUCLEAR SAFETY AT LEAST ONCE PER SIX MONTHS." CONTRARY TO THE ABOVE, ON OCTOBER 7, 1983, THERE WAS NO RECORD OF ANY AUDIT OF THE PLANT INFORMATION REPORT (PIR) SYSTEM WITHIN THE LAST SIX YEARS. THAT THE PIR SYSTEM IS UTILIZED TO CORRECT DEFICIENCIES IS EVIDENCED BY THE "PURPOSE" SECTION OF PROCEDURE QA 1.2-16.1, PLANT INFORMATION REPORT, REVISION 10, WHICH STATES, "THE PURPOSE OF THIS PROCEDURE IS TO SET FORTH THE REQUIREMENTS, THE BASIC PROCEDURE AND THE RESPONSIBILITIES FOR REPORTING, INVESTIGATING, DOCUMENTING AND FOLLOWUP ACTIVITIES FOR PLANT PROBLEMS." THIS IS A SEVERITY LEVEL V (8324 5)

OTHER ITEMS

Report Period APR 1984

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

\*\*\*\*\*  
\*                   HADDAM NECK                   \*  
\*\*\*\*\*

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: 59-321 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>73,031.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,234.5</u>	<u>51,740.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,138.4</u>	<u>48,531.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,727,182</u>	<u>4,888,468</u>	<u>102,023,583</u>
18. Gross Elec Ener (MWH)	<u>543,900</u>	<u>1,568,180</u>	<u>33,017,160</u>
19. Net Elec Ener (MWH)	<u>520,412</u>	<u>1,493,316</u>	<u>31,343,807</u>
20. Unit Service Factor	<u>100.0</u>	<u>73.7</u>	<u>66.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>73.7</u>	<u>66.5</u>
22. Unit Cap Factor (MDC Net)	<u>96.2</u>	<u>68.4</u>	<u>57.1</u>
23. Unit Cap Factor (DER Net)	<u>93.2</u>	<u>66.2</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>24.1</u>	<u>16.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>680.0</u>	<u>9,289.9</u>

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

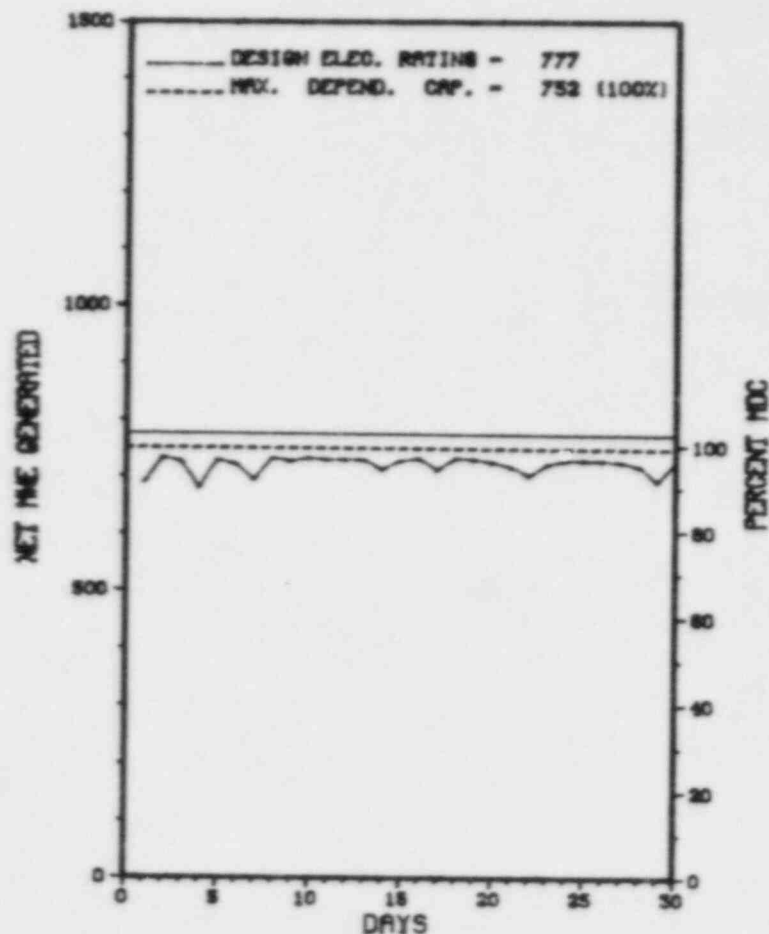
NONE

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

\*\*\*\*\*  
 \* HATCH 1 \*  
 \*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* HATCH 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-22	04/01/84	S	0.0	B	5		RC	CONROD	RAMPING BACK TO RATED POWER FROM ROD ADJUSTMENT ON 3-30-84.
84-23	04/04/84	F	0.0	A	5		CB	PUMPXX	RECIRC PUMP "A" TRIPPED.
84-24	04/06/84	S	0.0	B	5		HA	TURBIN	REDUCING LOAD FOR THE WEEKLY TURBINE TEST.
84-25	04/07/84	F	0.0	A	5		CH	VALVEX	REDUCING LOAD DUE TO LEAKS DISCOVERED IN 7 & 8TH STAGE FEEDWATER HEATER DRAIN VALVES.
84-26	04/11/84	F	0.0	A	5		WC	DEMIHX	REDUCED LOAD DUE TO CONDENSATE DEMIN "F" OUT OF SERVICE.
84-27	04/14/84	S	0.0	B	5		HA	TURBIN	REDUCING LOAD FOR WEEKLY TURBINE TESTING.
84-28	04/17/84	S	0.0	B	5		HA	TURBIN	REDUCING LOAD FOR WEEKLY TURBINE TESTING.
84-29	04/17/84	F	0.0	B	5		CE		REDUCING LOAD FOR RCIC OIL LEAK REPAIR.
84-30	04/21/84	S	0.0	B	5		HA	TURBIN	REDUCING LOAD FOR WEEKLY TURBINE TESTING.
84-31	04/21/84	F	0.0	A	5		IB	INSTRU	HOLDING LOAD DUE TO LOSS OF PROCESS COMPUTER. LOAD AT APPROX 735 GMWE.
84-32	04/28/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION FOR WEEKLY TURBINE TESTING.
84-33	04/01/84	F	0.0	A	5		HA	TURBIN	13TH STAGE BUCKETS ON LOW PRESSURE TURBINE WERE DAMAGED AND OUT FOR THE DURATION OF APRIL.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 HATCH 1 REPORTS 12 REDUCTIONS AND NO OUTAGES DURING THE APRIL 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)

\*\*\*\*\*  
\* HATCH 1 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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 APRIL 3-6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREA OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.C, PROCEDURES FOR IMPLEMENTATION OF SURVEILLANCE OF SAFETY RELATED EQUIPMENT IN THAT RECORDS FOR THE "FALL 1982" INSPECTION OF RV FLANGE TO SHELL WELD C-1 DID NOT SHOW THE EXTENT OR LOCATION OF THE AREA INSPECTED.  
(8403 5)

CONTRARY TO THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES WERE NOT FOLLOWED DURING INSPECTION OF MASONRY WALL MODIFICATIONS.  
(8405 5)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION X, ON FEBRUARY 16, 1984, THE NRC INSPECTOR IDENTIFIED A SYSTEM NOT RESTORED TO ORIGINAL DESIGN REQUIREMENTS IN THAT THE THERMAL INSULATION AND ELECTRICAL HEAT TRACING ON APPROXIMATELY A THREE FOOT SECTION OF PIPING DOWNSTREAM OF THE UNIT 1, DIVISION 1, PLANT SERVICE WATER STRAINER A BACKWASH VALVE, P41-F313A WAS NOT PROPERLY RESTORED.



1. Docket: 50-366                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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):                      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. Reason for Restrictions, If Any: \_\_\_\_\_  
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>40,800.0</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>-1,969</u>	<u>226,431</u>	<u>17,644,673</u>
20. Unit Service Factor	<u>.0</u>	<u>10.6</u>	<u>64.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>10.6</u>	<u>64.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>10.4</u>	<u>57.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>9.9</u>	<u>55.2</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):

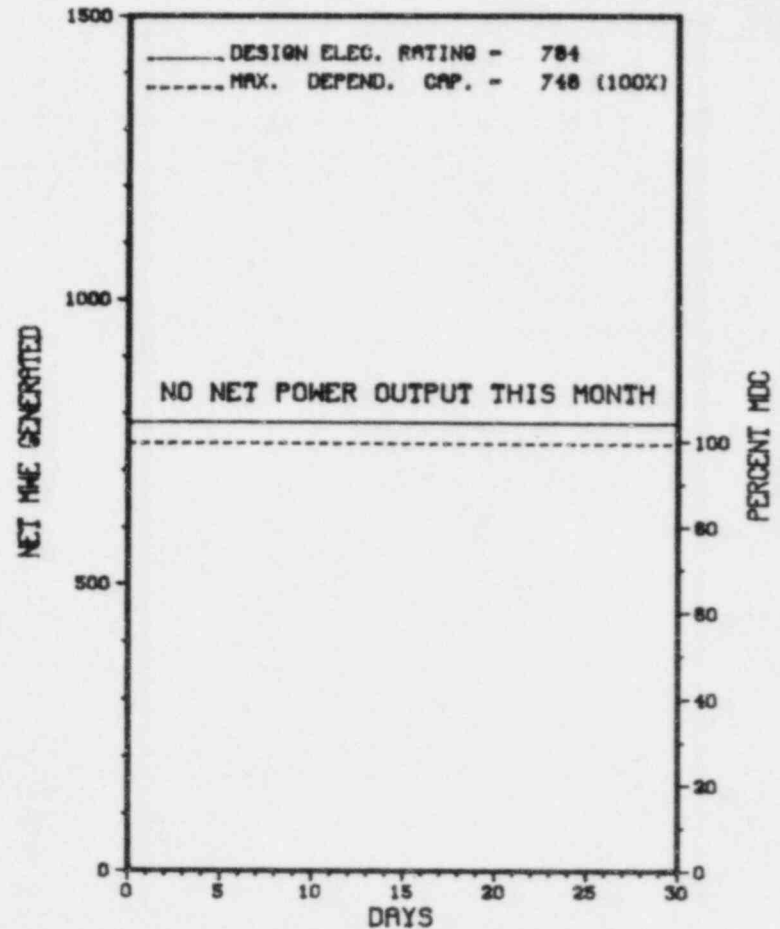
NONE

27. If Currently Shutdown Estimated Startup Date: 06/11/84

\*\*\*\*\*  
\*                      HATCH 2                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



APRIL 1984



Report Period APR 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	719.0	H	4		CB	PIPEXX	RECIRC PIPE REPLACEMENT OUTAGE.

\*\*\*\*\* HATCH 2 REMAINS SHUTDOWN IN A CONTINUING REPAIR 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)

\*\*\*\*\*  
\* HATCH 2 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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  
LICENSF & 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 APRIL 3-6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RECIRC PIPING REPLACEMENT. ONE APPARENT VIOLATION WAS FOUND (FAILURE TO PROVIDE A PROCEDURE FOR CALIBRATION OF AUTOMATIC WELDING EQUIPMENT).

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES WERE NOT FOLLOWED DURING INSPECTION OF MASONRY WALL MODIFICATIONS.  
(8405 5)

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, PROCEDURE HNP-2-1500, PRIMARY CONTAINMENT ATMOSPHERIC CONTROL SYSTEMS, WAS NOT PROPERLY IMPLEMENTED DUE TO PROCEDURE INADEQUACIES, IN THAT, BETWEEN JULY 2, 1983 AND FEBRUARY 3, 1984, DURING PERIODS OF UNIT 2 CONTAINMENT INERTING EVOLUTIONS, NO PROCEDURAL PROVISION EXISTED TO PREVENT NITROGEN BEING ADMITTED TO THE TORUS AT TEMPERATURES BELOW THE SPECIFIED BAND OF 100-250F.  
(8407 4)

CONTRARY TO 10CFR50, APPENDIX B, CRITERION XII, MEASURES WERE NOT ESTABLISHED TO ASSURE CONTROL AND CALIBRATION OF MEASURING



1. Docket: 50-247 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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): 885

8. Maximum Dependable Capacity (Net MWe): 849

9. If Changes Occur Above Since Last Report, Give Reasons:  
ITEMS 6 & 7 REFLECT SUMMER RATINGS.

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>719.0</u>	<u>2,903.0</u>	<u>86,208.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,460.4</u>	<u>58,408.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,119.1</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,436.5</u>	<u>56,632.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,961,795</u>	<u>6,599,713</u>	<u>147,640,212</u>
18. Gross Elec Ener (MWH)	<u>623,410</u>	<u>2,085,090</u>	<u>45,742,666</u>
19. Net Elec Ener (MWH)	<u>849</u>	<u>1,401,236</u>	<u>43,028,328</u>
20. Unit Service Factor	<u>100.0</u>	<u>83.9</u>	<u>65.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>83.9</u>	<u>65.7</u>
22. Unit Cap Factor (MDC Net)	<u>.1</u>	<u>56.1</u>	<u>58.9*</u>
23. Unit Cap Factor (DER Net)	<u>.1</u>	<u>55.3</u>	<u>57.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>16.1</u>	<u>9.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>466.5</u>	<u>5,842.7</u>

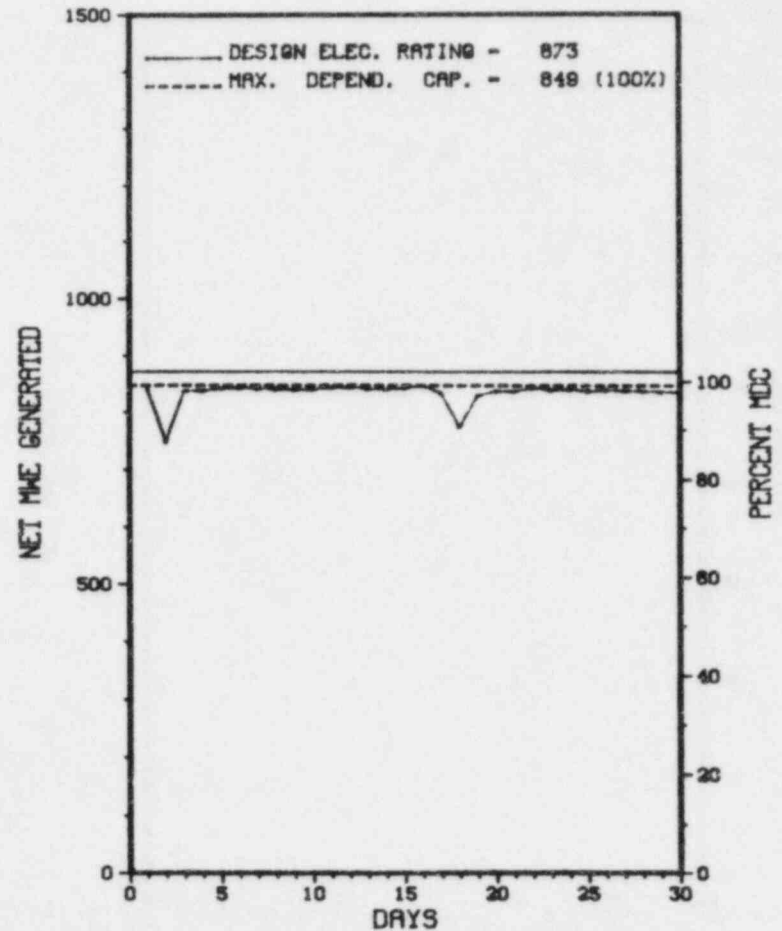
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
INSPECTION/REFUELING OUTAGE TO BEGIN JUNE 2, 1984.

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

\*\*\*\*\*  
\* INDIAN POINT 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* INDIAN POINT 2 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	04/02/84	F	0.0	A	5			INSTRU	NIS POWER RANGE FAILED.
	04/18/84	F	0.0	A	5			HTEXCH	REDUCED LOAD DUE TO VACUUM LOSS.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
INDIAN POINT 2 OPERATED WITH 2 REDUCTIONS DURING APRIL.

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 APR 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.



1. Docket: 50-286                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>67,224.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,208.4</u>	<u>36,632.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,110.1</u>	<u>35,252.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,144,331</u>	<u>5,745,580</u>	<u>90,115,416</u>
18. Gross Elec Ener (MWH)	<u>709,090</u>	<u>1,875,805</u>	<u>28,242,416</u>
19. Net Elec Ener (MWH)	<u>684,386</u>	<u>1,803,485</u>	<u>27,047,663</u>
20. Unit Service Factor	<u>100.0</u>	<u>72.7</u>	<u>52.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>72.7</u>	<u>52.4</u>
22. Unit Cap Factor (MDC Net)	<u>98.6</u>	<u>64.4</u>	<u>41.7</u>
23. Unit Cap Factor (DER Net)	<u>98.6</u>	<u>64.4</u>	<u>41.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>27.2</u>	<u>23.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>786.8</u>	<u>10,983.6</u>

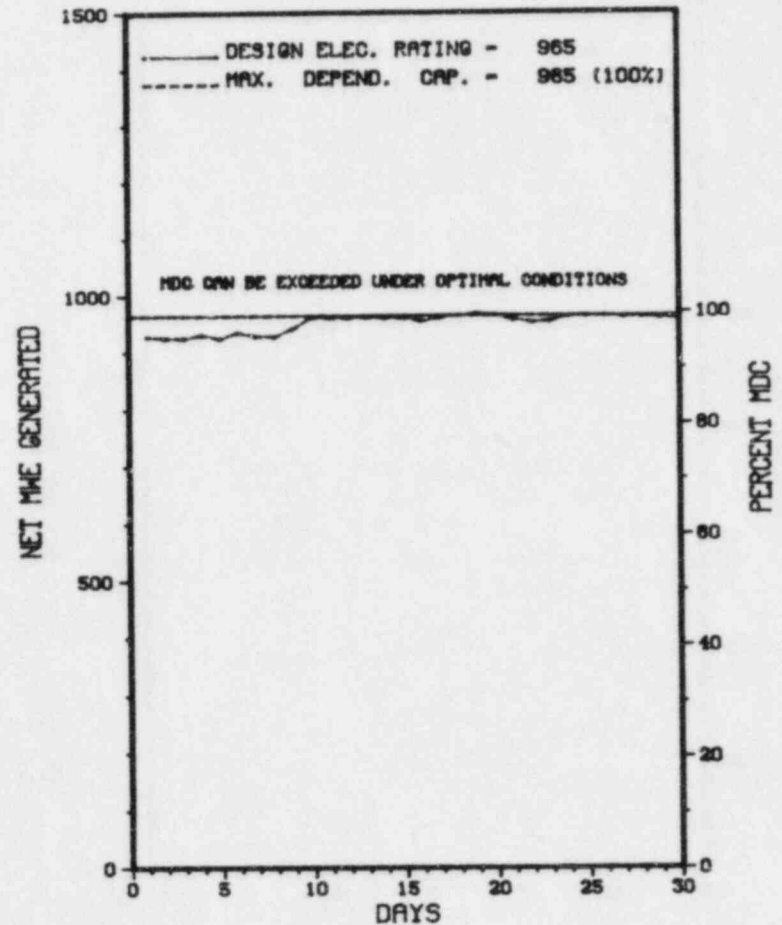
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
MID CYCLE OUTAGE - OCTOBER 1984 - 4 WEEKS.

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

\*\*\*\*\*  
\* INDIAN POINT 3 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* INDIAN POINT 3 \*  
\*\*\*\*\*

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

NONE

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
INDIAN POINT 3 OPERATED AT OR NEAR FULL POWER DURING APRIL.

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		

\*\*\*\*\*  
\* INDIAN POINT 3 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

LOCATION  
STATE.....NEW YGRK  
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. PGLK  
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

AS A RESULT OF THE INSPECTION CONDUCTED ON JANUARY 16-FEBRUARY 15, 1984, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY, 10 CFR 2, APPENDIX C, THE FOLLOWING VIOLATION WAS IDENTIFIED: 10 CFR 50.59 PERMITS THE LICENSEE TO MAKE CHANGES TO THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT WITHOUT PRIOR COMMISSION APPROVAL, PROVIDED THE LICENSEE MAINTAINS A RECORD OF THE CHANGES THIS RECORD SHALL INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASIS FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, ON JANUARY 19, 1984, CHANGES TO THE FACILITY, AS DESCRIBED IN THE SAFETY ANALYSIS REPORT, WERE IDENTIFIED FOR WHICH NO WRITTEN SAFETY EVALUATION WAS PREPARED. THESE CHANGES WERE FITTINGS AND VALVES THAT HAD BEEN ADDED TO THE RESIDUAL HEAT REMOVAL SYSTEM FOR THE PURPOSE OF SAMPLING AND VENTING OR DRAINING THE SYSTEM. NO RECORD OF THESE CHANGES WAS DOCUMENTED IN PROCEDURES, OR ON THE UPDATED VERSION OF THE FACILITY DRAWINGS.  
(8402 4)

OTHER ITEMS

Report Period APR 1984

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

\*\*\*\*\*  
\*                    INDIAN POINT 3                    \*  
\*\*\*\*\*

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

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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):           

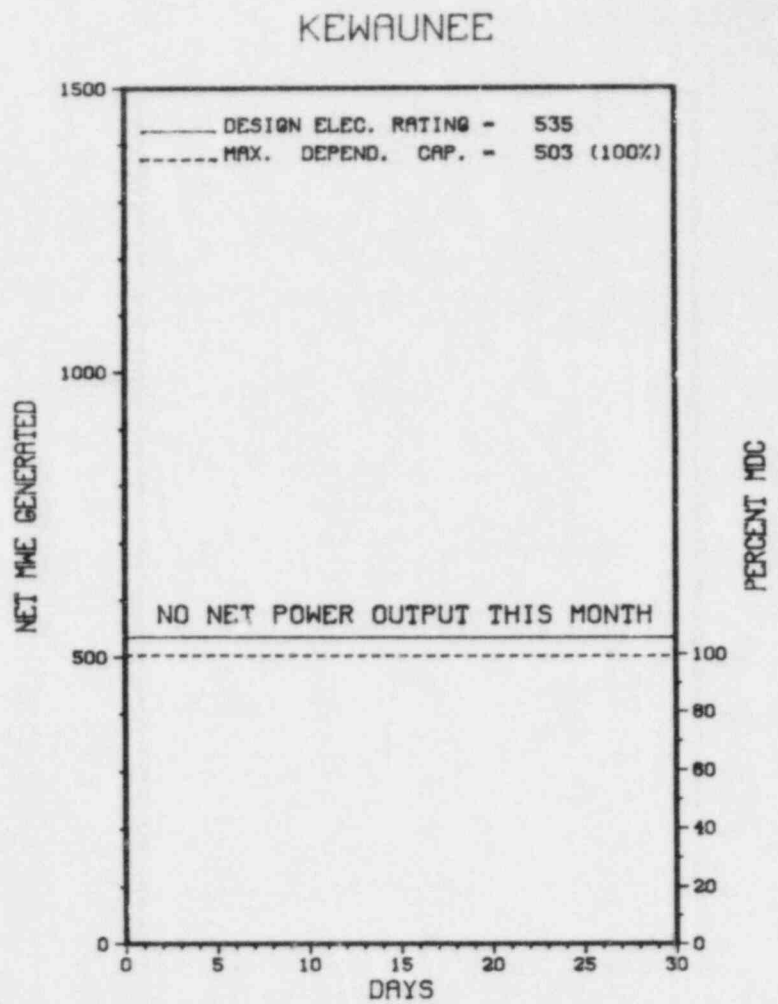
11. Reasons for Restrictions, If Any:             
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>86,568.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>2,898,189</u>	<u>111,869,275</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>952,300</u>	<u>36,810,400</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>908,523</u>	<u>35,040,559</u>
20. Unit Service Factor	<u>.0</u>	<u>62.8</u>	<u>82.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>62.8</u>	<u>82.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>62.2</u>	<u>77.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>58.5</u>	<u>75.7</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):  
NONE

27. If Currently Shutdown Estimated Startup Date: 05/09/84

\*\*\*\*\*  
\*                      K E W A U N E E                      \*  
\*\*\*\*\*  
AVERAGE DAILY POWER LEVEL (MWe) PLOT



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* Kewaunee \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/16/84	S	719.0	C	4		RC	FUELXX	CONTINUED CYCLE IX-X REFUELING OUTAGE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
KEWAUNEE 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)

\*\*\*\*\*  
\* Kewaunee \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 MARCH 26-30, (84-03): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION PROGRAM DURING REFUELING INCLUDING: EXPOSURE CONTROLS, SURVEYS, TRAINING, RESPIRATOR USE, ALARA, POSTING AND CONTAMINATION CONTROLS, LICENSEE AUDITS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTORS ALSO REVIEWED AN UNPLANNED GASEOUS RELEASE IN MID MARCH. THE INSPECTION INVOLVED 78 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED - FAILURE TO CONDUCT RESPIRATORY TRAINING IN ACCORDANCE WITH PROCEDURES (SECTION 6). NO OTHER APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE



1. Docket: 50-409                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>127,082.0</u>
13. Hours Reactor Critical	<u>520.3</u>	<u>2,580.0</u>	<u>83,324.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>479.8</u>	<u>2,435.5</u>	<u>77,271.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>76,130</u>	<u>377,884</u>	<u>10,660,188</u>
18. Gross Elec Ener (MWH)	<u>24,504</u>	<u>121,677</u>	<u>3,178,905</u>
19. Net Elec Ener (MWH)	<u>23,079</u>	<u>115,154</u>	<u>2,942,389</u>
20. Unit Service Factor	<u>66.7</u>	<u>83.9</u>	<u>60.8</u>
21. Unit Avail Factor	<u>66.7</u>	<u>83.9</u>	<u>60.9</u>
22. Unit Cap Factor (MDC Net)	<u>66.9</u>	<u>82.6</u>	<u>48.2</u>
23. Unit Cap Factor (DER Net)	<u>64.2</u>	<u>79.3</u>	<u>46.3</u>
24. Unit Forced Outage Rate	<u>33.3</u>	<u>9.7</u>	<u>9.5</u>
25. Forced Outage Hours	<u>239.2</u>	<u>261.3</u>	<u>7,104.6</u>

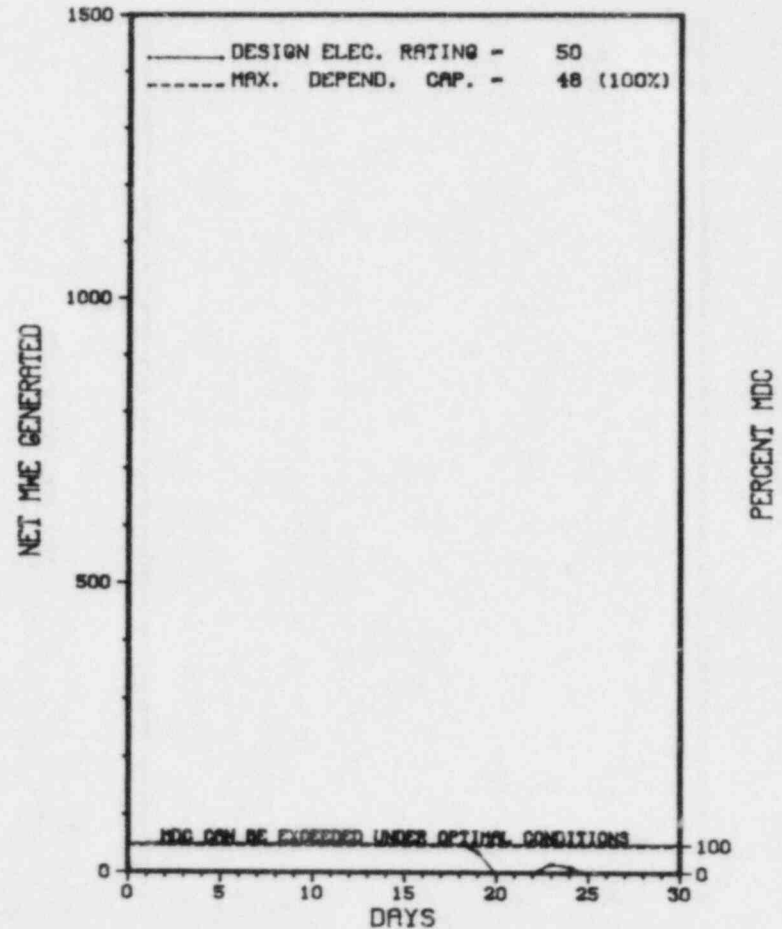
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
REFUELING: OCT 5, 1984 - 6 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 05/03/84

\*\*\*\*\*  
"                      LA CROSSE                      \*  
\* \* \* \* \*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* LA CROSSE \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-02	04/09/84	F	84.4	A	3	84-06	CH	INSTRU	REACTOR AUTOMATICALLY SHUTDOWN DUE TO AN ERRONEOUS HIGH POWER/FLOW SIGNAL DURING A FEEDWATER SYSTEM TRANSIENT. FEEDWATER SYSTEM CONTROLS WERE REWORKED.
84-03	04/24/84	F	154.8	A	1		RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN IN ORDER TO REWORK AN UPPER CONTROL ROD DRIVE MECHANISM SEAL.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
LA CROSSE OPERATED ROUTINELY, SHUTTING DOWN ON APRIL 24TH FOR EQUIPMENT REPAIR.

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)

\*\*\*\*\*  
\* LA CROSSE \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT RADIATION CONTROL PROCEDURES BE MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. (A) LACBWR OPERATING MANUAL, VOLUME X, HEALTH PHYSICS PROCEDURES, SECTION 6.4.5, REQUIRES THAT ALL PERSONS LEAVING CONTROLLED AREAS PLACE ALL USED PROTECTIVE CLOTHING IN A LAUNDRY HAMPER. CONTRARY TO THE ABOVE, USED PROTECTIVE CLOTHING WAS OBSERVED ON THE FLOOR IN THE WASTE TREATMENT, TURBINE, AND CONTAINMENT BUILDINGS, AND (B) LACBWR OPERATING MANUAL, VOLUME X, HEALTH PHYSICS PROCEDURES, SECTION 6.4.4, SPECIFIES THAT THE MINIMUM PROTECTIVE CLOTHING REQUIRED FOR ENTRY INTO A CONTROLLED AREA IS A LAB COAT. CONTRARY TO THE ABOVE, ONE PERSON WAS OBSERVED IN THE TURBINE BUILDING (CONTROLLED AREA) ON FEBRUARY 7, 1984, WITHOUT ANY PROTECTIVE CLOTHING. TECHNICAL SPECIFICATION 6.12 REQUIRES THAT, FOR EACH AREA WITH RADIATION LEVELS GREATER THAN 1000 MREMS/HOUR, THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED: EACH ENTRANCE OR ACCESS POINT TO THE AREA SHALL BE MAINTAINED LOCKED EXCEPT DURING PERIODS WHEN ACCESS TO THE AREA IS REQUIRED, WITH POSITIVE CONTROL OVER EACH INDIVIDUAL ENTRY, OR EACH ENTRANCE OR ACCESS POINT TO THE AREA SHALL BE EQUIPPED WITH A CONTROL DEVICE WHICH SHALL ENERGIZE A CONSPICUOUS VISIBLE OR AUDIBLE ALARM SIGNAL IN SUCH A MANNER THAT THE INDIVIDUAL ENTERING THE HIGH RADIATION AREA AND THE LICENSEE OR A SUPERVISOR OF THE ACTIVITY ARE MADE AWARE OF THE ENTRY. CONTRARY TO THE ABOVE, THE AREA UNDER THE STAIRS NEAR THE FESW FILTERS AND PUMPS ON THE MEZZANINE LEVEL OF THE CONTAINMENT BUILDING, AN AREA EXCEEDING 1000 MREMS/HOUR, WAS NOT LOCKED OR EQUIPPED WITH A "CONTROL

Report Period APR 1984

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

\*\*\*\*\*  
\*                   LA CROSSE                   \*  
\*\*\*\*\*

ENFORCEMENT SUMMARY

DEVICE". ACCESS TO THE AREA WAS CONTROLLED ONLY BY A ROPE.  
(8403 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT SHUT DOWN ON 4/25/84 TO REPAIR A FLANGE LEAK ON CONTROL ROD DRIVE NO. 7.

LAST IE SITE INSPECTION DATE: MARCH 16 - MAY 15, 1984

INSPECTION REPORT NO: 84-04

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: 50-373                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>2,903.0</u>
13. Hours Reactor Critical	<u>699.6</u>	<u>1,858.1</u>	<u>1,858.1</u>
14. Rx Reserve Shtdwn Hrs	<u>19.4</u>	<u>1,012.0</u>	<u>1,012.0</u>
15. Hrs Generator On-Line	<u>684.7</u>	<u>1,720.3</u>	<u>1,720.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>2,065,440</u>	<u>10,783,259</u>	<u>10,783,259</u>
18. Gross Elec Ener (MWH)	<u>692,699</u>	<u>1,451,965</u>	<u>1,451,965</u>
19. Net Elec Ener (MWH)	<u>663,674</u>	<u>1,368,536</u>	<u>1,368,536</u>
20. Unit Service Factor	<u>95.2</u>	<u>59.3</u>	<u>59.3</u>
21. Unit Avail Factor	<u>95.2</u>	<u>59.3</u>	<u>59.3</u>
22. Unit Cap Factor (MDC Net)	<u>85.6</u>	<u>43.7</u>	<u>43.7</u>
23. Unit Cap Factor (DER Net)	<u>85.6</u>	<u>43.7</u>	<u>43.7</u>
24. Unit Forced Outage Rate	<u>4.8</u>	<u>34.8</u>	<u>34.8</u>
25. Forced Outage Hours	<u>34.3</u>	<u>918.8</u>	<u>918.8</u>

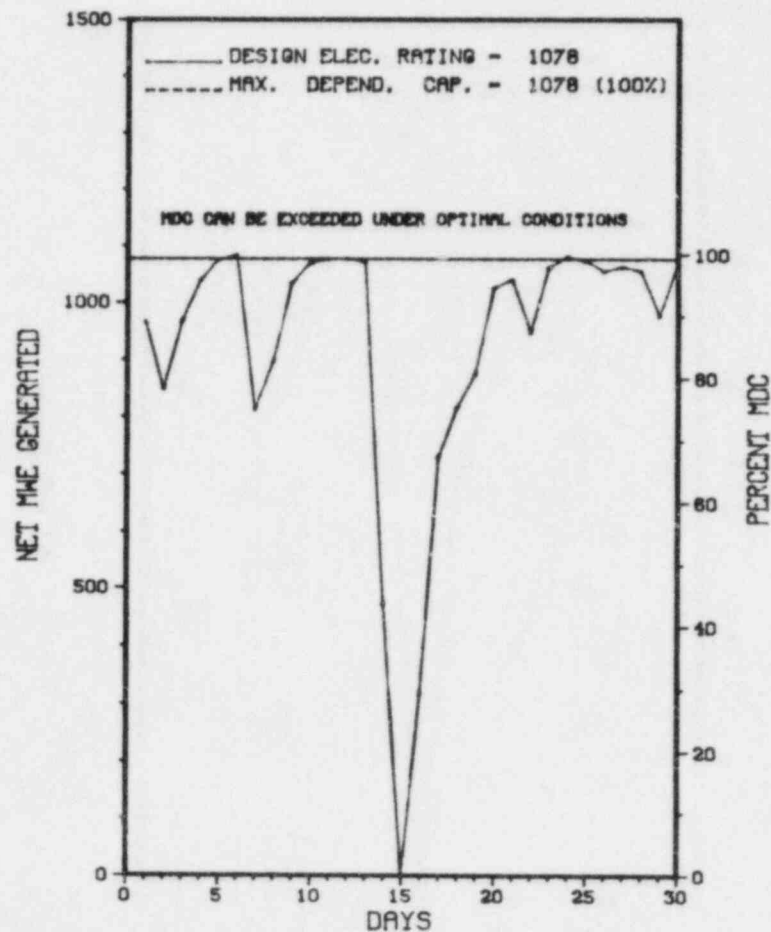
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

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

\*\*\*\*\*  
\*                      LASALLE 1                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* LASALLE 1 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	04/14/84	F	34.3	G	3				THE OPERATOR CHANGED THE SETPOINT OF THE REACTOR WATER LEVEL CONTROL BELOW THE OPERATIONAL LEVEL ALLOWED BY EXISTING PROCEDURES FOR PARALLELING AN ADDITIONAL FEEDWATER PUMP. THIS RESULTED IN A LOW REACTOR WATER LEVEL SCRAM. PROCEDURES WERE CHANGED TO MORE CLEARLY DEFINE THE OPERATIONAL SETPOINTS.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
LASALLE 1 OPERATED WITH 1 OUTAGE DURING APRIL.

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 APR 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 FEBRUARY 13 THROUGH MARCH 23, (84-05): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS FINDINGS, OPERATIONAL SAFETY, OPERATING EVENTS, IE BULLETINS; LICENSEE EVENT REPORTS; INDEPENDENT INSPECTION; IE INFORMATION NOTICES, PERIODIC AND SPECIAL REPORTS, STARTUP TEST WITNESSING, AND A PRE-LICENSING MEETING. THE INSPECTION INVOLVED A TOTAL OF 447 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 72 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO FOLLOW SURVEILLANCE PROCEDURES RESULTING IN A VIOLATION OF A LIMITING CONDITION FOR OPERATION AND FAILURE TO FOLLOW EQUIPMENT CONTROL PROCEDURES).

INSPECTION ON MARCH 19-23, (84-09): INCLUDED A REVIEW OF SECURITY ORGANIZATION - MANAGEMENT; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; ACCESS CONTROLS (PERSONNEL/PACKAGES/VECHICLES); ALARM STATIONS; COMMUNICATIONS; GENERAL REQUIREMENTS TRAINING AND QUALIFICATION PLAN; ADDITIONAL REQUIREMENTS - POWER REACTORS; LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 81 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; 9 OF THE INSPECTION HOURS WERE ACCOMPLISHED DURING THE OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION. ONE PREVIOUSLY IDENTIFIED ITEM OF NONCOMPLIANCE REMAINS OPEN PENDING THE LICENSEE'S COMPLETION OF LONG TERM CORRECTIVE ACTION. SIGNIFICANT IMPROVEMENTS IN THE AREAS OF MANAGEMENT AND MAINTENANCE WERE NOTED.

Report Period APR 1984

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

\*\*\*\*\*  
\*                    LASALLE 1                    \*  
\*\*\*\*\*

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

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
84-16	03/07/84	04/05/84	RHR B&C INJECTION VALVES REACTOR PRESSURE INTERLOCK.
84-18	03/10/84	04/09/84	BUTT SPLICES IN CONTROL CABLES.
84-19	03/20/84	04/18/84	RWCU DIFF. FLOW ISOLATION CALIBRATION.
84-20	03/27/84	04/23/84	REACTOR BUILDING VENT ISOLATION.
84-21	03/27/84	04/26/84	CONTROL RM HVAC SYS. AMMONIA DETECTOR INOPERABLE.

=====

1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: ARAS R. LINTAKAS

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): 1036

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>245.9</u>	<u>245.9</u>	<u>245.9</u>
13. Hours Reactor Critical	<u>135.4</u>	<u>135.4</u>	<u>135.4</u>
14. Rx Reserve Shtdwn Hrs	<u>110.5</u>	<u>110.5</u>	<u>110.5</u>
15. Hrs Generator On-Line	<u>107.4</u>	<u>107.4</u>	<u>107.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>143,472</u>	<u>143,472</u>	<u>143,472</u>
18. Gross Elec Ener (MWH)	<u>16,683</u>	<u>16,683</u>	<u>16,683</u>
19. Net Elec Ener (MWH)	<u>14,216</u>	<u>14,216</u>	<u>14,216</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 110.7 110.7 110.7

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

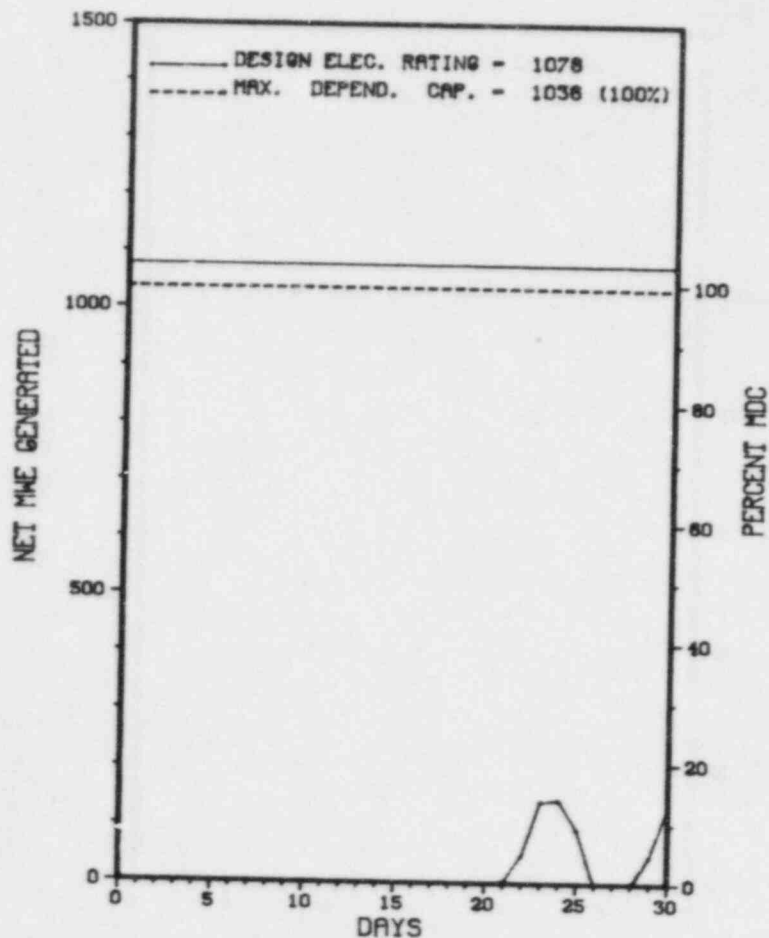
NONE

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

\*\*\*\*\*  
\* LASALLE 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* LASALLE 2 \*  
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/20/84	F	2.5	A	1				INSTRUMENTATION REPAIRED.
4	04/20/84	S	20.3	B	1				VERIFICATION OF GENERATOR LOCKOUT.
5	04/21/84	F	17.1	A	1				HIGH VIBRATION ON BEARING #5.
6	04/22/84	S	0.8	B	1				OVERSPEED TESTING.
7	04/25/84	F	91.1	A	1				DEFECTIVE GENERATOR THRUST BEARING THERMOCOUPLE.
8	04/29/84	S	6.7	A	1				LEAK IN EHC #1 CONTROL VALVE FIXED.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 LASALLE 2 GENERATED INITIAL ELECTRICITY ON APRIL 20, 1984.

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
	H-Other	4-Continued	Data Entry Sheet
	Regulatory Restriction	5-Reduced Load	Licensee Event Report
	E-Operator Training	9-Other	(LER) File (NUREG-0161)
	& License Examination		

\*\*\*\*\*  
\* LASALLE 2 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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...MARCH 10, 1984  
DATE ELEC ENER 1ST GENER...APRIL 20, 1984  
DATE COMMERCIAL OPERATE....\*\*\*\*\*  
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.....50-374  
LICENSE & DATE ISSUANCE...NPF-18, MARCH 23, 1984  
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

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION



1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>100,595.6</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>5,166,538</u>	<u>174,278,326</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,685,100</u>	<u>57,038,250</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,626,808</u>	<u>54,328,510</u>
20. Unit Service Factor	<u>.0</u>	<u>72.6</u>	<u>77.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>72.6</u>	<u>77.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>69.2</u>	<u>68.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>67.9</u>	<u>66.9*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.0</u>	<u>7.5</u>
25. Force Outage Hours	<u>.0</u>	<u>42.0</u>	<u>5,455.4</u>

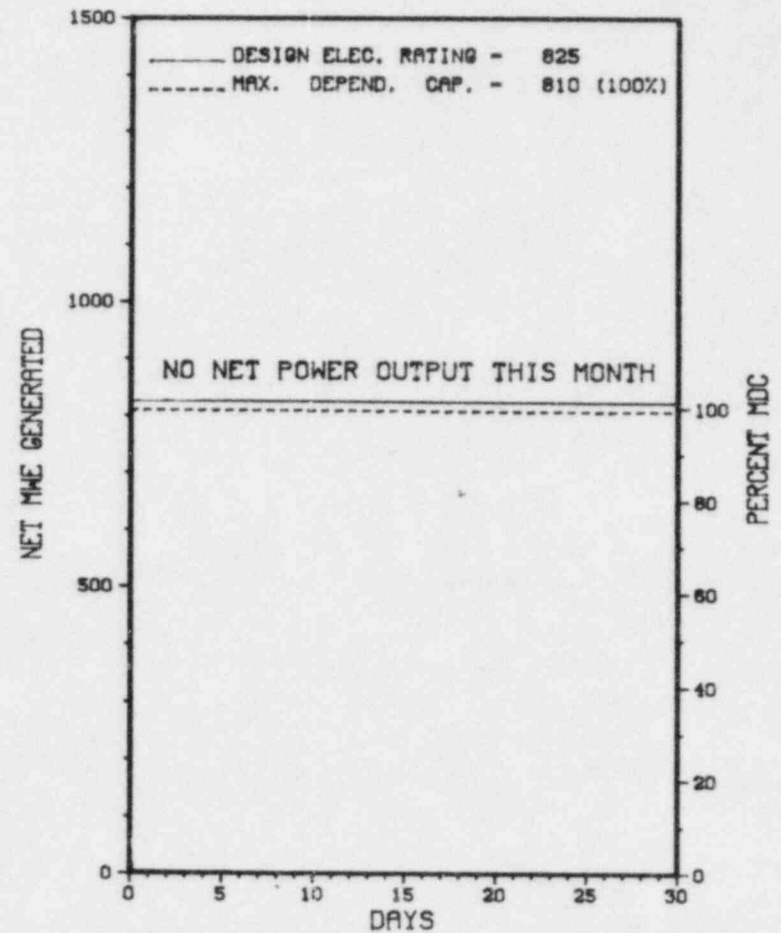
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* MAINE YANKEE \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* MAINE YANKEE \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2-84-7	03/30/84	S	719.0	C	4		RC	FUELXX	SCHEDULED REFUELING SHUTDOWN FOR CORE 7/8 CONTINUES.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
MAINE YANKEE 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)

\*\*\*\*\*  
\* MAINE YANKEE \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERIA V AND LICENSEE PROCEDURES, THE PLANT SHIFT SUPERINTENDENT DID NOT SECOND CHECK TAGS AS REQUIRED.  
(8320 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984

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

\*\*\*\*\*  
\*                   MAINE YANKEE                   \*  
\*\*\*\*\*

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

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

=====

1. Docket: 50-369                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>21,167.0</u>
13. Hours Reactor Critical	<u>.4</u>	<u>1,295.5</u>	<u>13,823.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>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>-10,972</u>	<u>1,370,774</u>	<u>10,327,029</u>
20. Unit Service Factor	<u>.0</u>	<u>44.4</u>	<u>62.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>44.4</u>	<u>62.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>40.0</u>	<u>41.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>40.0</u>	<u>41.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>6.4</u>	<u>19.3</u>
25. Forced Outage Hours	<u>66.7</u>	<u>87.5</u>	<u>3,173.0</u>

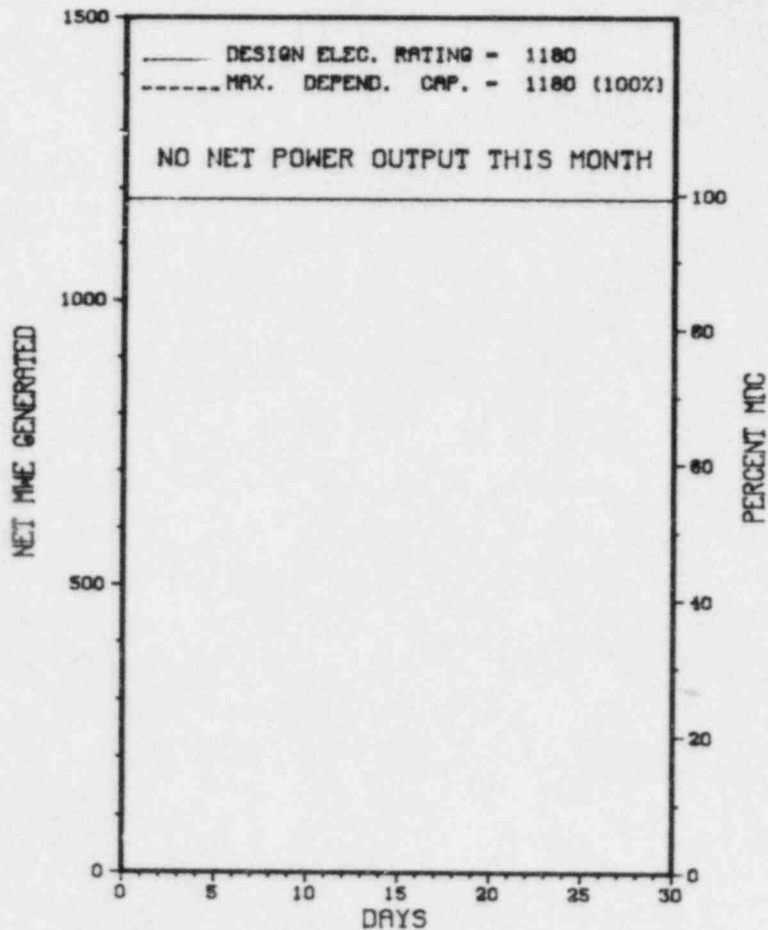
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

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

\*\*\*\*\*  
\*                      MCGUIRE 1                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



APRIL 1984



Report Period APR 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	652.3	C	4		RC	FUELXX	END OF CYCLE 1 REFUELING OUTAGE
3A	04/28/84	F	66.7	A	9		SF	ACCUMU	UPPER HEAD INJECTION DISK RUPTURED.

\*\*\*\*\* MCGUIRE 1 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	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 APR 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  
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.....50-369  
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 MARCH 26-29 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION: REVIEW OF PROGRAM; REVIEW OF PROCEDURES; OBSERVATION OF WORK AND WORK ACTIVITIES, AND IE BULLETIN 82-02 LICENSEE ACTION. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 25-29 (84-08): THIS INSPECTION INVOLVED 19 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (PERSONNEL AND RESPONSE); SECURITY PROGRAM AUDIT; 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; COMMUNICATIONS; AND FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS. 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 PROVIDE COMPLETE INTRUSION DETECTION CAPABILITY AT THE PROTECTED AREA BOUNDARY.

INSPECTION APRIL 1-6 (84-09): THIS UNANNOUNCED INSPECTION INVOLVED 44 INSPECTOR HOURS ON SITE IN THE AREAS OF PREPARATION FOR REFUELING, UNIT 1 (60705) REFUELING ACTIVITIES, UNIT 1 (60710) SPENT FUEL POOL ACTIVITIES UNIT 1 (86700) AND PLANT TOUR, UNIT 1 (71302). OF THE 4 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.



1. Docket: 50-370 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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:

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>719.0</u>	<u>1,463.0</u>	<u>1,463.0</u>
13. Hours Reactor Critical	<u>694.5</u>	<u>1,401.5</u>	<u>1,401.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>691.0</u>	<u>1,392.8</u>	<u>1,392.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,301,882</u>	<u>4,608,676</u>	<u>4,608,676</u>
18. Gross Elec Ener (MWH)	<u>822,935</u>	<u>1,651,798</u>	<u>1,651,798</u>
19. Net Elec Ener (MWH)	<u>793,970</u>	<u>1,592,693</u>	<u>1,592,693</u>
20. Unit Service Factor	<u>96.1</u>	<u>95.2</u>	<u>95.2</u>
21. Unit Avail Factor	<u>96.1</u>	<u>95.2</u>	<u>95.2</u>
22. Unit Cap Factor (MDC Net)	<u>93.6</u>	<u>92.3</u>	<u>92.3</u>
23. Unit Cap Factor (DER Net)	<u>93.6</u>	<u>92.3</u>	<u>92.3</u>
24. Unit Forced Outage Rate	<u>3.9</u>	<u>4.8</u>	<u>4.8</u>
25. Forced Outage Hours	<u>28.0</u>	<u>70.2</u>	<u>70.2</u>

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

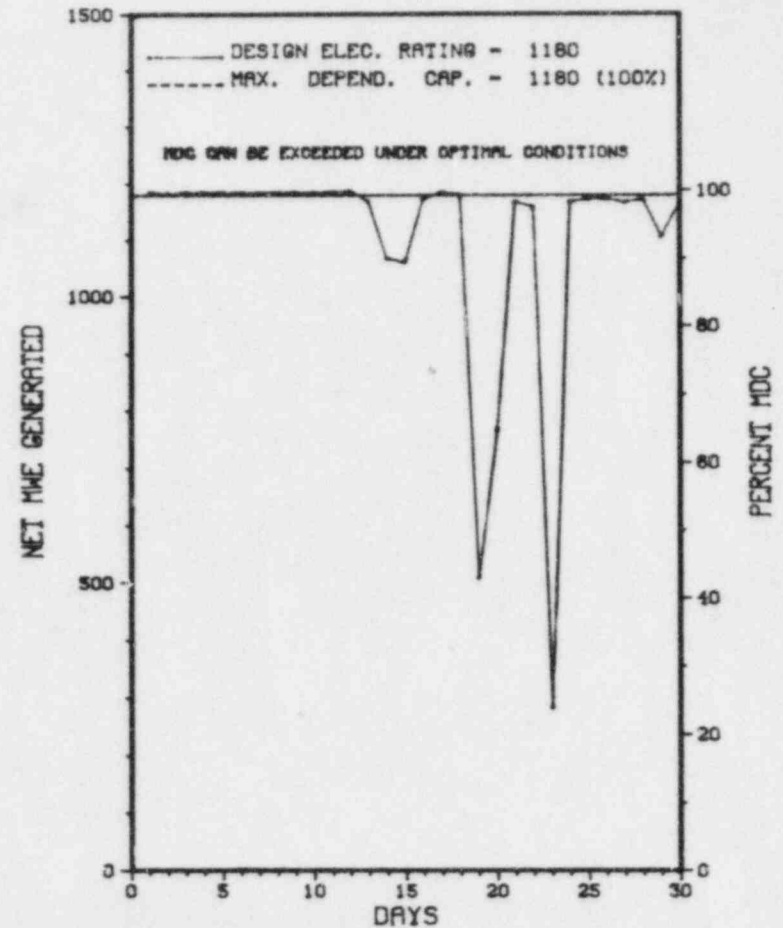
NONE

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

\*\*\*\*\*  
 \* MCGUIRE 2 \*  
 \*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### MCGUIRE 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* MCGUIRE 2 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10-P	04/13/84	S	0.0	B	5		IB	INSTRU	INCORE EXCORE CALIBRATIONS.
11-P	04/15/84	S	0.0	B	5		HB	VALVEX	MONTHLY TURBINE VALVE TESTING.
12-P	04/16/84	S	0.0	B	5		HB	VALVEX	REHEAT STOP VALVE TESTING.
3	04/19/84	F	15.6	B	3		ED	ELECON	TRANSIENT CAUSED S/G LOW-LOW LEVEL DURING 6.9 KV SLOW TRANSFER TEST.
3A	04/20/84	F	0.5	G	9		ZZ	CKTBRK	EXCITER FIELD BREAKERS OPEN DUE TO EXCESSIVE VOLTAGE DIFFERENCE BETWEEN STATION & SYSTEM DURING STARTUP.
13-P	04/21/84	S	0.0	B	5		IA	INSTRU	TESTING OVERTEMP. DELTAT & OVERPRESSURE DELTA T IN PROTECTION CABINETS.
14-P	04/22/84	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCH REDUCTION TO MEET MINIMUM LOAD.
4	04/23/84	F	11.9	A	3		IA	INSTRU	RX PROTECTION CABINET POWER SUPPLY FAILURE CAUSED S/G HIGH-HIGH LEVEL.
15-P	04/23/84	F	0.0	A	5		HH	VALVEX	REPAIR FEEDWATER ISOLATION VALVE.
16-P	04/27/84	F	0.0	A	5		IA	INSTRU	I & E TESTING ON MC LOOP HOT LEG DUE TO A RESISTANCE THERMAL DEVICE.
17-P	04/29/84	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCH REDUCTION TO MEET SYSTEM MINIMUM.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 MCGUIRE 2 OPERATED ROUTINELY DURING APRIL.

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 APR 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 MARCH 26-29 (84-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION: REVIEW OF PROGRAM; REVIEW OF PROCEDURES; OBSERVATION OF WORK AND WORK ACTIVITIES, AND IE BULLETIN 82-02 LICENSEE ACTION. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 25-29 (84-08): THIS INSPECTION INVOLVED 20 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (PERSONNEL AND RESPONSE); SECURITY PROGRAM AUDIT; 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; COMMUNICATIONS; AND FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS. 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 PROVIDE COMPLETE INTRUSION DETECTION CAPABILITY AT THE PROTECTED AREA BOUNDARY.

ENFORCEMENT SUMMARY

NONE



1. Docket: 50-245                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>117,647.0</u>
13. Hours Reactor Critical	<u>321.0</u>	<u>2,505.0</u>	<u>89,269.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,775.8</u>
15. Hrs Generator On-Line	<u>314.2</u>	<u>2,498.2</u>	<u>86,515.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>26.5</u>
17. Gross Therm Ener (MWH)	<u>595,992</u>	<u>4,899,866</u>	<u>157,948,734</u>
18. Gross Elec Ener (MWH)	<u>202,600</u>	<u>1,676,200</u>	<u>53,039,396</u>
19. Net Elec Ener (MWH)	<u>191,481</u>	<u>1,598,774</u>	<u>50,580,031</u>
20. Unit Service Factor	<u>43.7</u>	<u>86.1</u>	<u>73.5</u>
21. Unit Avail Factor	<u>43.7</u>	<u>86.1</u>	<u>73.6</u>
22. Unit Cap Factor (MDC Net)	<u>40.7</u>	<u>84.2</u>	<u>65.7</u>
23. Unit Cap Factor (DER Net)	<u>40.4</u>	<u>83.4</u>	<u>65.1</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):

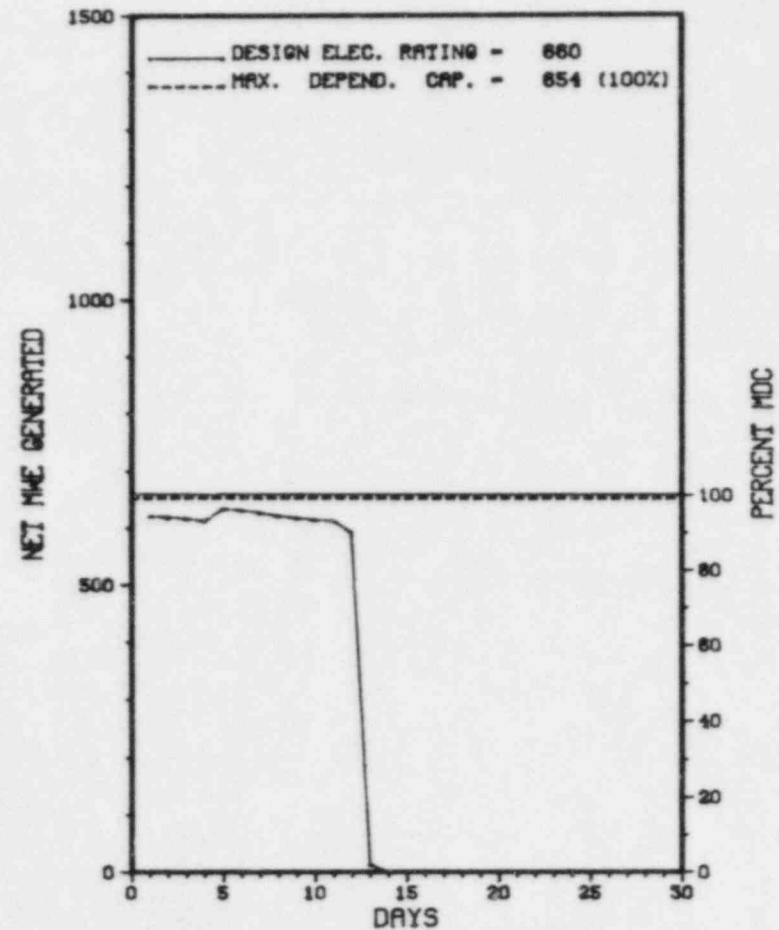
NONE

27. If Currently Shutdown Estimated Startup Date: 07/01/84

\*\*\*\*\*  
\*                      MILLSTONE 1                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* MILLSTONE 1 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	04/14/84	S	404.8	C	1		RC	FUELXX	REFUELING OUTAGE SCHEDULED FROM 04/14/84 TO 07/30/84.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
MILLSTONE 1 SHUTDOWN ON APRIL 14TH 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)

\*\*\*\*\*  
\* MILLSTONE 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):



1. Docket: 50-336                    O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>73,175.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,779.9</u>	<u>51,144.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,477.1</u>	<u>48,659.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,935,357</u>	<u>6,224,228</u>	<u>122,540,604</u>
18. Gross Elec Ener (MWH)	<u>633,000</u>	<u>2,010,601</u>	<u>39,807,973</u>
19. Net Elec Ener (MWH)	<u>610,772</u>	<u>1,923,752</u>	<u>38,140,500</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.3</u>	<u>66.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.3</u>	<u>67.1</u>
22. Unit Cap Factor (MDC Net)	<u>98.8</u>	<u>77.1</u>	<u>62.0*</u>
23. Unit Cap Factor (DER Net)	<u>97.6</u>	<u>76.2</u>	<u>61.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.5</u>	<u>18.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>173.4</u>	<u>9,796.2</u>

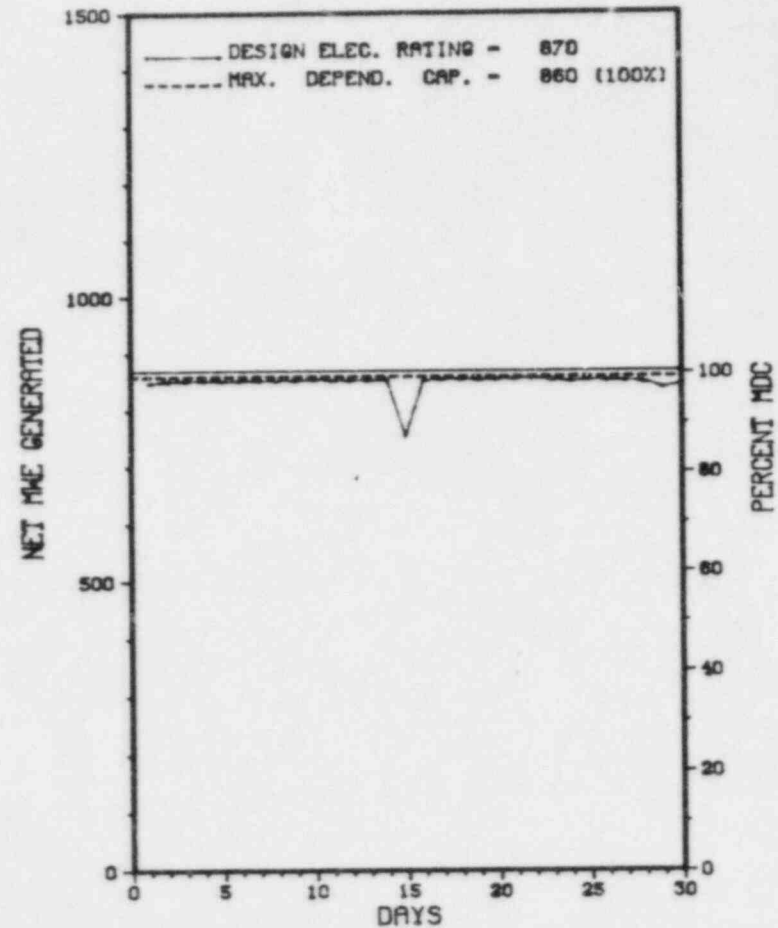
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\*                    MILLSTONE 2                    \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLC:

## MILLSTONE 2



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* MILLSTONE 2 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/15/84	F	0.0	A	5		RB	INSTRU	WHILE AT 100% POWER, CEA #57 DROPPED FULLY INTO CORE. POWER WAS REDUCED TO <70% POWER AND CEA WAS RECOVERED.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 MILLSTONE 2 OPERATED ROUTINELY DURING APRIL.

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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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.....D. OSBORNE  
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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984

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

\*\*\*\*\*  
\*                    MILLSTONE 2                    \*  
\*\*\*\*\*

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: 50-263 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>112,512.0</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>-1,162</u>	<u>276,669</u>	<u>43,188,975</u>
20. Unit Service Factor	<u>.0</u>	<u>27.9</u>	<u>78.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>27.9</u>	<u>78.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>18.2</u>	<u>73.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>17.5</u>	<u>70.4</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>

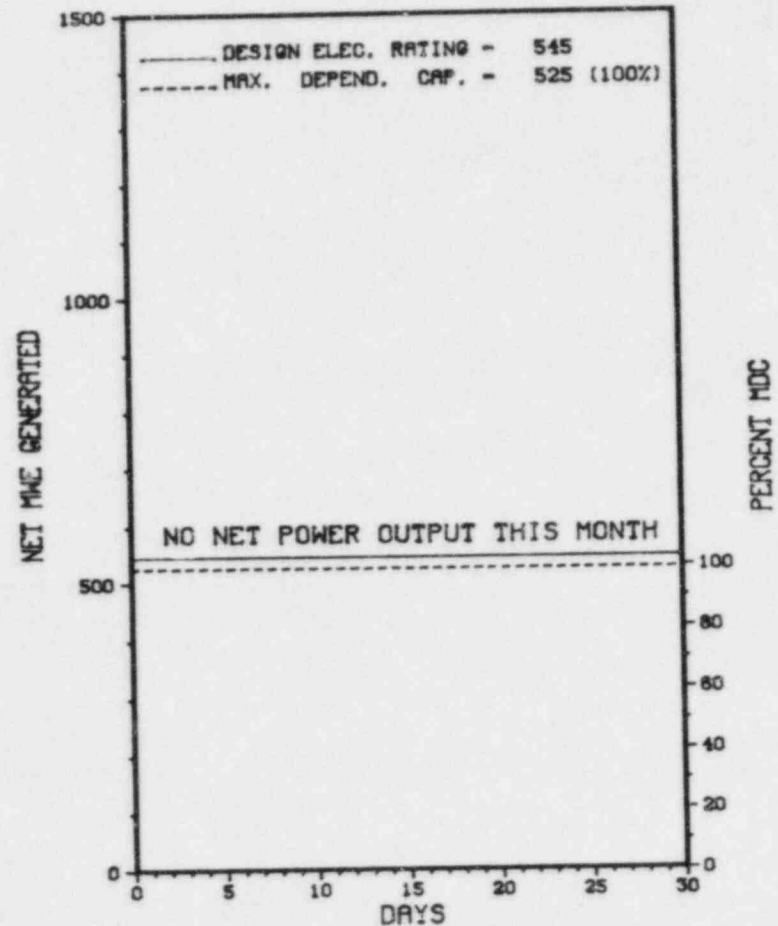
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

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

\*\*\*\*\*  
\* MONTICELLO \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



APRIL 1984



Report Period APR 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	719.0	C	4		RC	FUELXX	CONTINUATION OF 1984 REFUELING OUTAGE.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 MONTICELLO REMAINS SHUTDOWN IN A REFUELING 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)

\*\*\*\*\*  
\* MONTICELLO \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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.....V. ROONEY  
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 2 - MARCH 1, (84-03): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF IE BULLETIN FOLLOWUP, IE CIRCULAR AND INFORMATION NOTICE FOLLOWUP, REFUELING ACTIVITIES, INDEPENDENT INSPECTION EFFORT ON LONG TERM SHUTDOWN, NUREG-0737 ITEMS FOLLOWUP, AND ONSITE COMMITTEE ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 113 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 27 THROUGH MARCH 2, 84-05 INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREA; ALARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 74 INSPECTOR-HOURS OF DIRECT INSPECTION EFFORT BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; TWELVE HOURS OF INSPECTION ACTIVITY WERE ACCOMPLISHED DURING OFF SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE



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

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: THOMAS W. ROMAN (315) 349-2422

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>719.0</u>	<u>2,903.0</u>	<u>127,079.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>3,062,522</u>	<u>141,156,879</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,034,284</u>	<u>46,666,066</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,001,923</u>	<u>45,196,682</u>
20. Unit Service Factor	<u>.0</u>	<u>62.9</u>	<u>67.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>62.9</u>	<u>67.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>56.6</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>55.7</u>	<u>57.4</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>

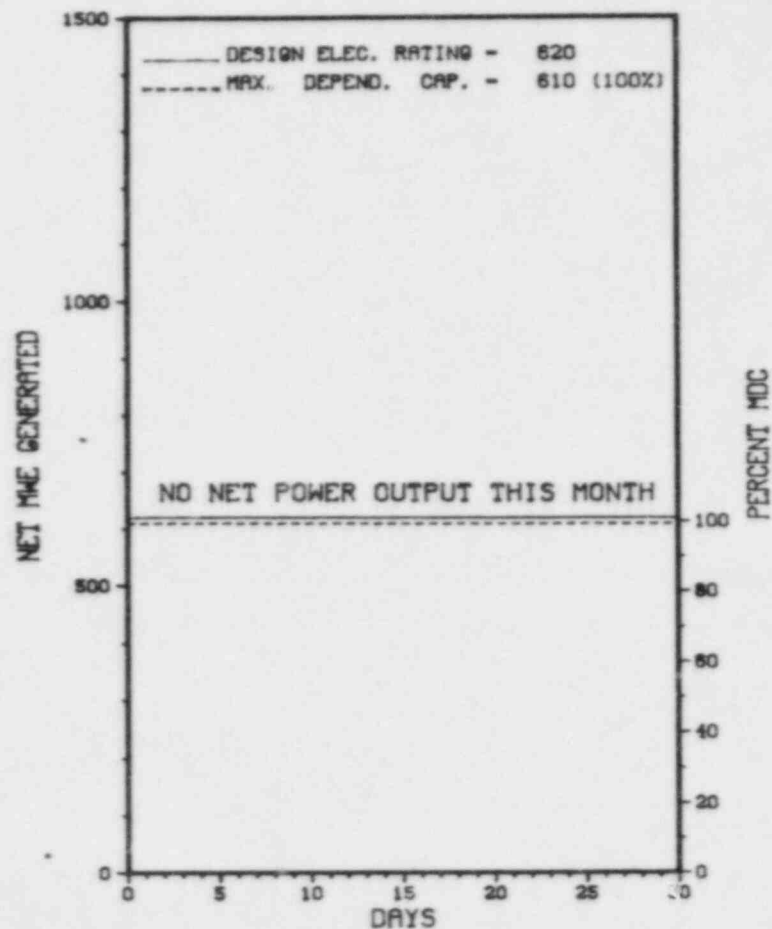
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 06/01/84

\*\*\*\*\*  
\*                      NINE MILE POINT 1                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* NINE MILE POINT 1 \*  
\*\*\*\*\*

<u>No.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause &amp; Corrective Action to Prevent Recurrence</u>
84-6	03/17/84	S	719.0	C	4		RC	FUELXX	UNIT SHUTDOWN FOR BIENNIAL REFUELING & MAINTENANCE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
NINE MILE POINT 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING/  
MAINTENANCE OUTAGE.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System &amp; 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)

\*\*\*\*\*  
\* NINE MILE POINT 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period APR 1984

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

\*\*\*\*\*  
\*           NINE MILE POINT 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: 50-338 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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): 937

8. Maximum Dependable Capacity (Net MWe): 883

9. If Changes Occur Above Since Last Report, Give Reasons:  
CHANGES IN GROSS AND NET

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>719.0</u>	<u>2,903.0</u>	<u>51,744.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,171.6</u>	<u>35,758.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>7.1</u>	<u>2,182.8</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,150.8</u>	<u>34,812.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,991,626</u>	<u>5,883,322</u>	<u>90,939,099</u>
18. Gross Elec Ener (MWH)	<u>677,095</u>	<u>1,994,721</u>	<u>29,378,907</u>
19. Net Elec Ener (MWH)	<u>643,871</u>	<u>1,895,337</u>	<u>27,726,551</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.1</u>	<u>67.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.1</u>	<u>67.3</u>
22. Unit Cap Factor (MDC Net)	<u>100.6</u>	<u>73.9</u>	<u>60.2</u>
23. Unit Cap Factor (DER Net)	<u>98.7</u>	<u>72.0</u>	<u>59.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>25.9</u>	<u>13.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>752.2</u>	<u>5,320.4</u>

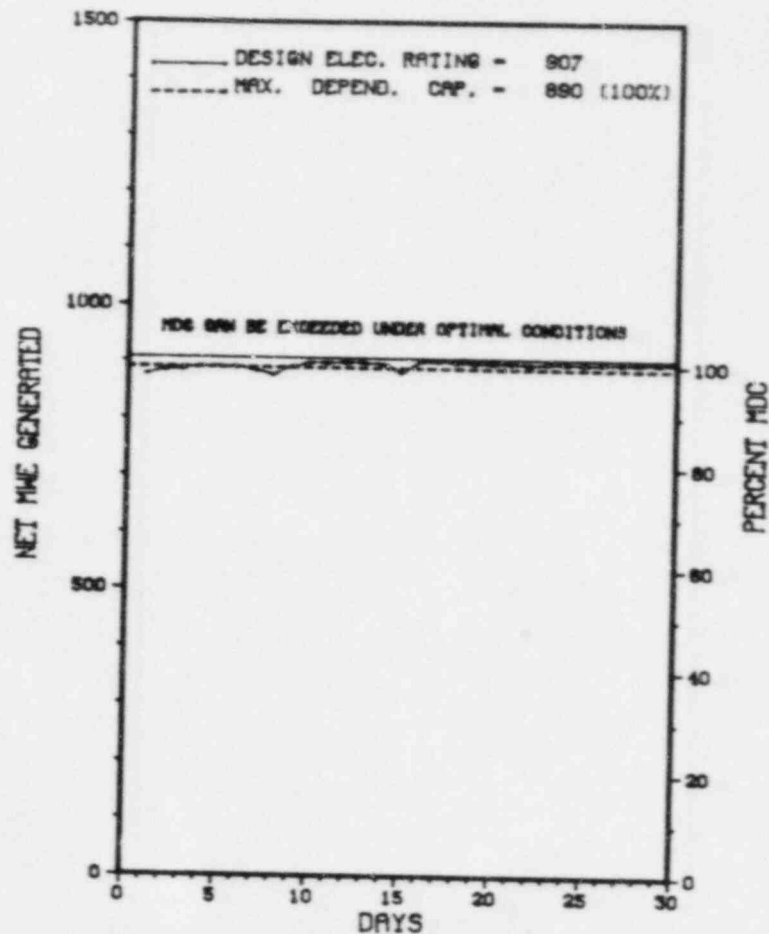
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
REFUELING OUTAGE - 05/11/84; MAINTENANCE - 11/23/84.

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

\*\*\*\*\*  
\* NORTH ANNA 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* NORTH ANNA 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-10	03/31/84	S	0.0	B	5				ENDED THE MONTH OF MARCH WITH UNIT 1 IN TURBINE VALVE FREEDOM TEST. POWER LEVEL 94% AT 881 MW. UNIT RETURN TO FULL POWER ON APRIL 1, 1984 - 0420.
84-11	04/07/84	S	0.0	B	5				UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-12	04/14/84	S	0.0	B	5				UNIT 1 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER. ENDED THIS MONTH WITH UNIT AT 100% POWER.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 NORTH ANNA 1 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWN REPORTED.

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 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 MARCH 20-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREA OF FIRE PROTECTION/PREVENTION PROGRAM AND IMPLEMENTATION. OF THE ONE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED. NORTH ANNA POWER STATION ADMINISTRATIVE PROCEDURE ADM 14.1 (SEPTEMBER 14, 1983) TEMPORARY MODIFICATIONS, CONTROLS THE INSTALLATION, USE AND REMOVAL OF JUMPERS AND TEMPORARY MODIFICATIONS. CONTRARY TO THE REQUIREMENTS OF ADM 14.1: (A) UNIT 2 JUMPER 176 DID NOT HAVE A JUMPER FORM IN THE LOG. (B) THE JUMPER LOGS CONTAIN OVER 30 JUMPERS THAT ARE WELL PAST THEIR EXPECTED REMOVAL DATES, AND THEY HAVE NOT BEEN REMOVED OR UPDATED. (C) UNIT 1 JUMPER 224 SYSTEM DRAWING DOES NOT REFLECT THE PRESENT JUMPER PIPING STATUS. (D) THE FORM FOR UNIT 1 JUMPER 842 IS CHECKED AS SAFETY-RELATED AND HAS AN ATTACHED SAFETY EVALUATION, BUT DOES NOT HAVE THE SIGNATURE OF THE SUPERINTENDENT OF OPERATIONS OR HIS DESIGNEE. (E) THE SAFETY EVALUATIONS FOR UNIT 1 JUMPERS 879 AND 880 WERE NOT ADEQUATE IN THAT THE EFFECTS OF A FAILURE OF THE TEMPORARY REPAIRS WERE NOT COMPLETELY ADDRESSED.  
(8404 4)



1. Bucket: 50-339 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>29,615.0</u>
13. Hours Reactor Critical	<u>520.7</u>	<u>2,606.2</u>	<u>22,253.1</u>
14. Rx Reserve Shtdwn Hrs	<u>5.8</u>	<u>9.3</u>	<u>2,249.3</u>
15. Hrs Generator On-Line	<u>515.1</u>	<u>2,557.0</u>	<u>21,834.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,240,206</u>	<u>6,567,288</u>	<u>56,988,318</u>
18. Gross Elec Ener (MWH)	<u>409,718</u>	<u>2,152,914</u>	<u>18,889,281</u>
19. Net Elec Ener (MWH)	<u>387,099</u>	<u>2,040,866</u>	<u>17,892,948</u>
20. Unit Service Factor	<u>71.6</u>	<u>38.1</u>	<u>73.7</u>
21. Unit Avail Factor	<u>71.6</u>	<u>88.1</u>	<u>73.7</u>
22. Unit Cap Factor (MDC Net)	<u>60.5</u>	<u>79.0</u>	<u>67.9</u>
23. Unit Cap Factor (DER Net)	<u>59.4</u>	<u>77.5</u>	<u>66.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.5</u>	<u>14.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>121.0</u>	<u>3,568.5</u>

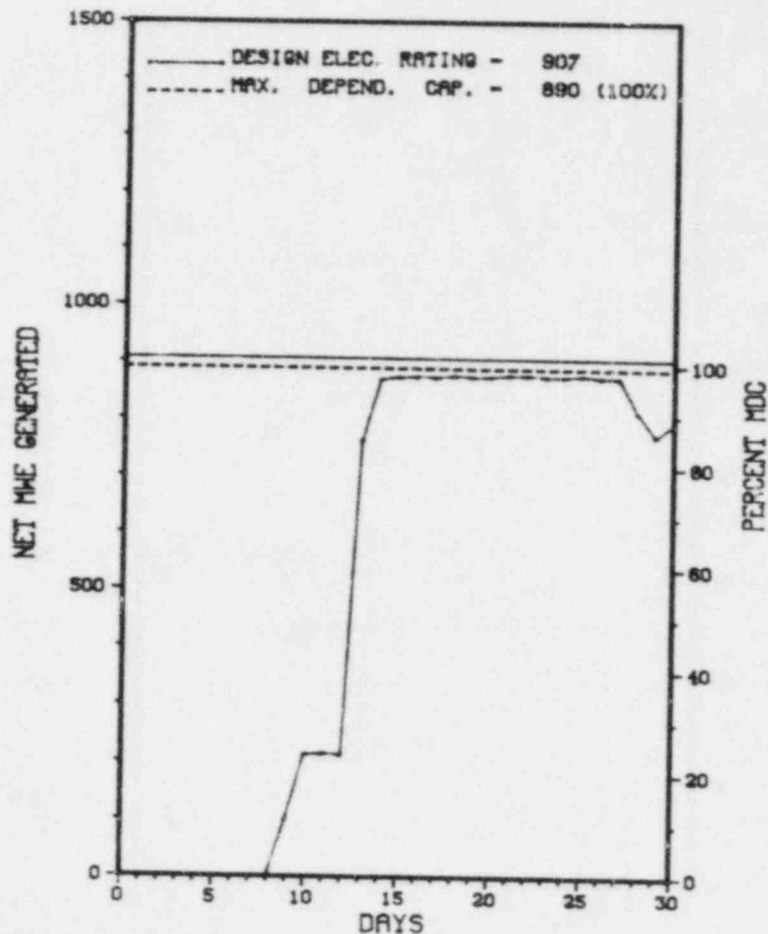
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
UNIT 2 REFUELING OUTAGE - 8/17/84.

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

\*\*\*\*\*  
\* NORTH ANNA 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* NORTH ANNA 2 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-19	03/30/84	S	203.9	B	4			RAMPED DOWN TO BEGIN SCHEDULED SPRING MAINTENANCE OUTAGE. ENDED THE MONTH OF MARCH WITH UNIT IN MODE 5. MAINTENANCE WAS COMPLETED AND UNIT ON LINE APRIL 9, 1984, 1148. RETURNED TO 100% POWER ON APRIL 13, 1984 AT 0651.
84-20	04/14/84	S	0.0	B	5			RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO FULL POWER.
84-21	04/27/84	S	0.0	H	5			RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER.
84-22	04/28/84	S	0.0	H	5			RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER.
84-23	04/29/84	S	0.0	H	5			RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER. ENDED THIS MONTH WITH UNIT AT 100% POWER.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 NORTH ANNA 2 RETURNED TO POWER FROM SPRING MAINTENANCE ON  
 APRIL 9.

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 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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...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.....50-339  
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 MARCH 20-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITL IN THE AREA OF FIRE PROTECTION/PREVENTION PROGRAM AND IMPLEMENTATION. OF THE ONE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):



1. Docket: 50-269                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>94,608.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,884.2</u>	<u>67,425.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,880.1</u>	<u>64,269.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,853,815</u>	<u>7,380,223</u>	<u>153,678,255</u>
18. Gross Elec Ener (MWH)	<u>650,600</u>	<u>2,590,670</u>	<u>53,458,900</u>
19. Net Elec Ener (MWH)	<u>623,280</u>	<u>2,480,256</u>	<u>50,645,807</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.2</u>	<u>67.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.2</u>	<u>67.9</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>99.3</u>	<u>62.1*</u>
23. Unit Cap Factor (DER Net)	<u>97.7</u>	<u>96.3</u>	<u>60.4*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>16.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>22.9</u>	<u>12,070.5</u>

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

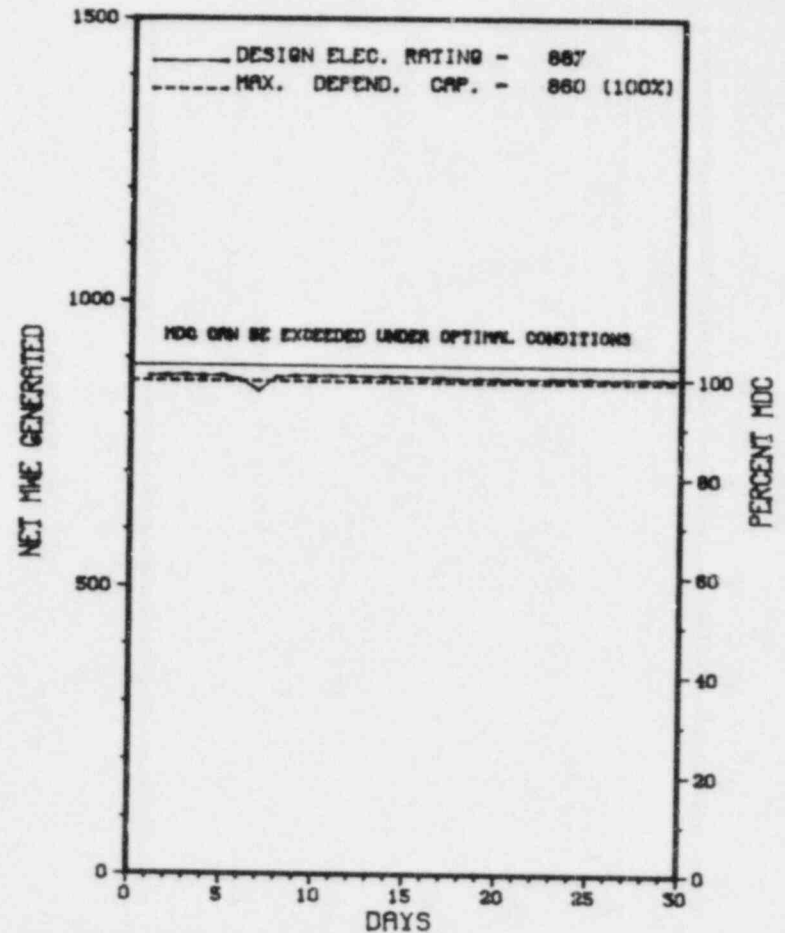
NONE

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

\*\*\*\*\*  
\*                      O C O N E E   1                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

O C O N E E   1



APRIL 1984

\* Item calculated with a Weighted Average



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* OCONEE 1 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7-P	04/07/84	S	0.0	B	5		CC	VALVEX	CONTROL AND STOP VALVE PT'S.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
OCONEE 1 OPERATED ROUTINELY IN APRIL 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 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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

+ NO INSPECTIONS CONDUCTED FOR THE MONTH OF APRIL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.





Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* OCONEE 2 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5-P	04/13/84	S	0.0	B	5		CC	VALVEX	CONTROL AND STOP VALVE PT'S.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
OCONEE 2 OPERATED IN APRIL 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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR. 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

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

+ NO INSPECTIONS CONDUCTED FOR THE MONTH OF APRIL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:  
NONE.  
FACILITY ITEMS (PLANS AND PROCEDURES):  
NONE



1. Docket: 50-287                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>82,175.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>4,048,036</u>	<u>139,540,599</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,397,550</u>	<u>48,212,144</u>
19. Net Elec Ener (MWH)	<u>-1,252</u>	<u>1,335,943</u>	<u>45,903,061</u>
20. Unit Service Factor	<u>.0</u>	<u>55.6</u>	<u>69.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>55.6</u>	<u>69.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>53.5</u>	<u>64.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.9</u>	<u>63.1*</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):

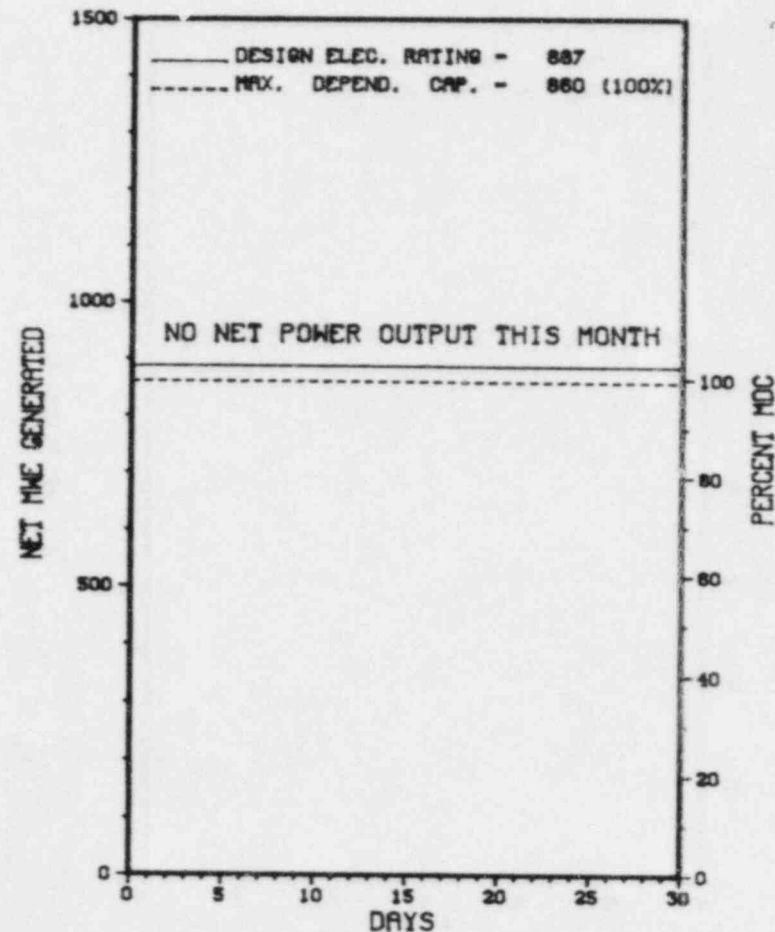
NONE

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

\*\*\*\*\*  
\* OCONEE 3 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### OCONEE 3



APRIL 1984

\* Item calculated with a Weighted Average

PAGE 2-196



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* OCONEE 3 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/08/84	S	719.0	C	4		RC	FUELXX	CYCLE 7 REFUELING OUTAGE CONTINUES.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
OCONEE 3 REMAINED SHUT DOWN FOR REFUELING DURING ALL OF APRIL.

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 APR 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  
  
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

+ NO INSPECTIONS CONDUCTED FOR THE MONTH OF APRIL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.



1. Docket: 50-219                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: JOSEPH R. MCINAR (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>719.0</u>	<u>2,903.0</u>	<u>125,831.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>696.0</u>	<u>35,319.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>458.2</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>-1,900</u>	<u>-5,721</u>	<u>44,279,962</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>65.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>65.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>54.1</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>

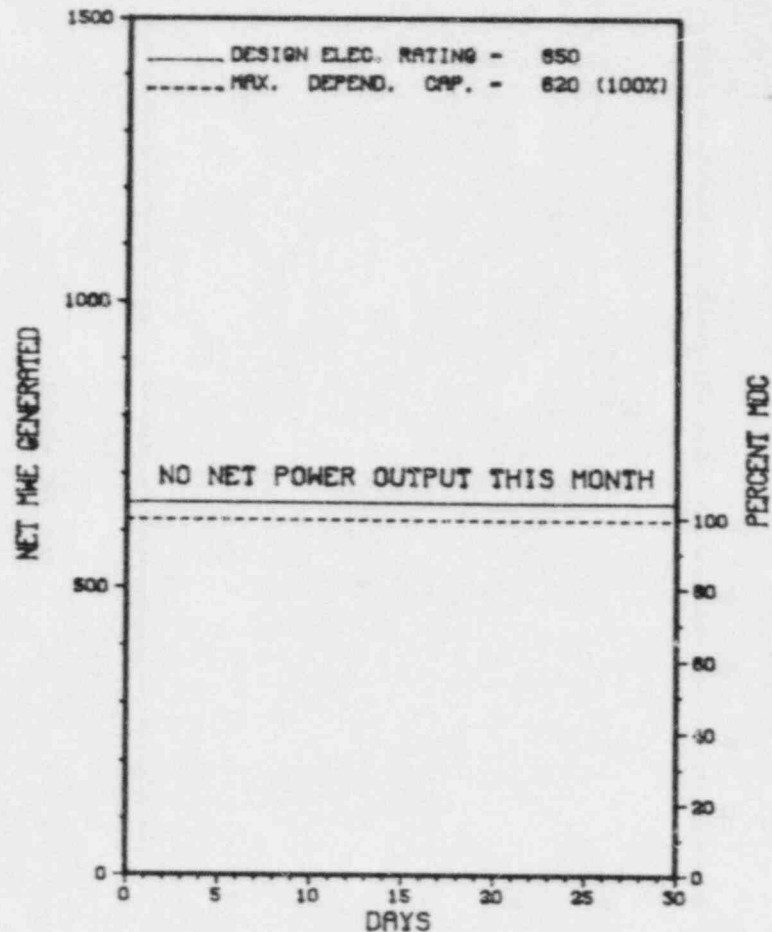
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 06/11/84

\*\*\*\*\*  
\* OYSTER CREEK 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 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	719.0	C	4		ZZ	ZZZZZZ	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 OYSTER CREEK 1 REMAINED SHUT FOR REFUELING AND MAINTENANCE DURING  
 THE ENTIRE MONTH OF APRIL.

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)

\*\*\*\*\*  
\* OYSTER CREEK 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 4.12.B.1.E.1, A SYSTEM TEST ON FIRE PUMP NUMBER ONE CONDUCTED ON SEPTEMBER 14, 1982 DID NOT SATISFY THE ABOVE REQUIREMENT IN THAT 360 FEET OF HEAD WAS NOT DEVELOPED AT 2000 GPM. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).  
(8326 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:  
NO INPUT PROVIDED.

Report Period APR 1984

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

\*\*\*\*\*  
\*                    OYSTER CREEK 1                    \*  
\*\*\*\*\*

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

=====

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

=====

1. Docket: 50-255                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>108,398.0</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>51.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>51.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>48.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>38.5</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>

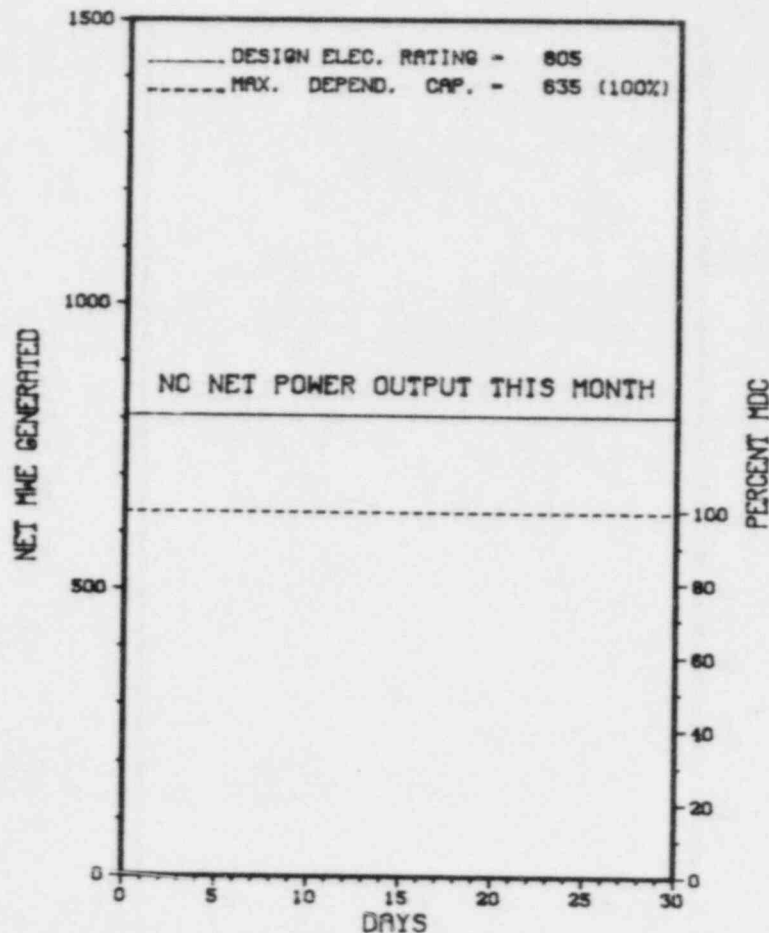
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 06/11/84

\*\*\*\*\*  
\* PALISADES \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### PALISADES



APRIL 1984



Report Period APR 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	719.0	C	4				REFUELING & MAINTENANCE OUTAGE CONTINUES.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
PALISADES CONTINUED DURING ALL OF APRIL IN A REFUELING AND MAINTENANCE SHUTDOWN.

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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 EWER 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 SUPPLIER.....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 ON JANUARY 9 - MARCH 5, (84-05): SPECIAL, UNANNOUNCED, SAFETY AND SAFEGUARDS INSPECTION COVERING THE LOSS-OF-POWER/LOSS-OF-COMMUNICATIONS EVENT OF JANUARY 8, 1984, INCLUDING: MANAGEMENT CONTROLS; FACILITIES AND EQUIPMENT; EMERGENCY PREPAREDNESS; AND FACILITY SAFEGUARDS. THE INSPECTION INVOLVED A TOTAL OF 38 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 8 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN ADDITION, THE INSPECTION INVOLVED A TOTAL OF 32 INSPECTOR-HOURS OFFSITE BY TWO NRC INSPECTORS. THE MANAGEMENT MEETING ON MARCH 5 INVOLVED A TOTAL OF 20 INSPECTOR/MANAGEMENT-HOURS. OF THE FOUR AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ONE AREA (FACILITIES AND EQUIPMENT); SEVEN ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING THREE AREAS: FAILURE TO IMPLEMENT PROCEDURES AND FAILURE TO FOLLOW PROCEDURES; FAILURE TO DECLARE EVENT STATUS, FAILURE TO CONDUCT TRAINING ON EMERGENCY PLAN, AND FAILURE TO REPORT LOSS OF COMMUNICATIONS; FAILURE TO REPORT PHYSICAL SECURITY EVENT; FAILURE TO MAINTAIN COMMUNICATIONS CAPABILITY).

INSPECTION DURING MARCH 1 THROUGH APRIL 6, (84-08): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF PLANT SAFETY; WORK ACTIVITIES; IE BULLETIN; REFUELING ACTIVITIES; AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 141 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 43 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ANY OF THE FIVE AREAS INSPECTED.



1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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):           

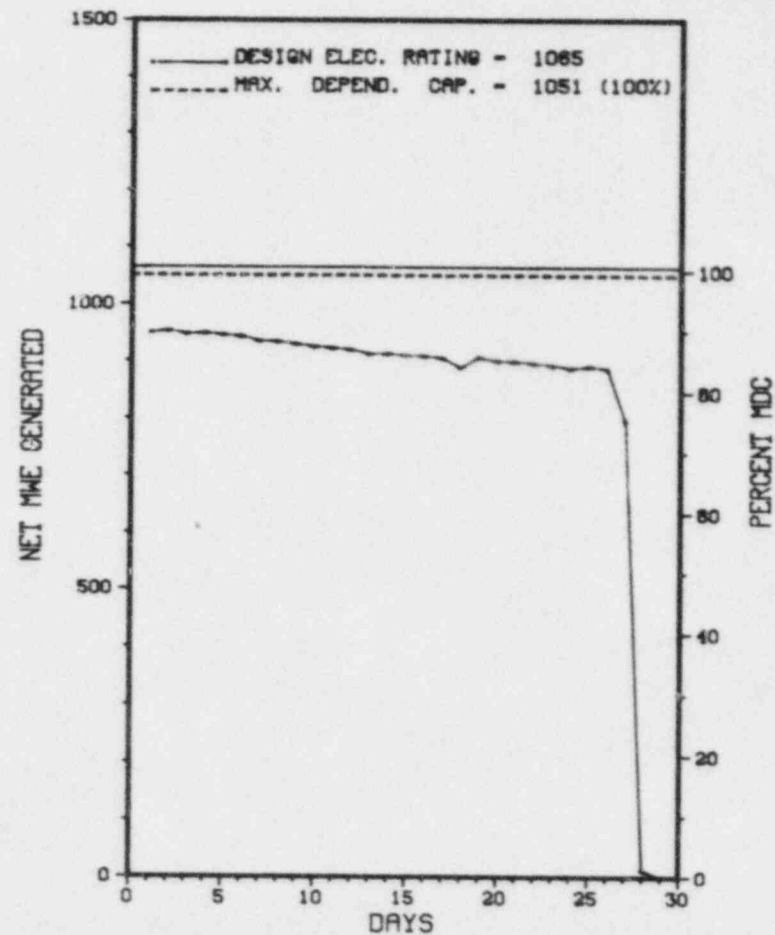
11. Reasons for Restrictions, If Any:           

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>86,111.0</u>
13. Hours Reactor Critical	<u>652.0</u>	<u>2,583.9</u>	<u>62,283.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>650.2</u>	<u>2,544.8</u>	<u>60,556.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,921,829</u>	<u>7,865,391</u>	<u>178,420,001</u>
18. Gross Elec Ener (MWH)	<u>614,670</u>	<u>2,547,570</u>	<u>58,718,660</u>
19. Net Elec Ener (MWH)	<u>591,877</u>	<u>2,465,820</u>	<u>56,302,250</u>
20. Unit Service Factor	<u>90.4</u>	<u>87.7</u>	<u>70.3</u>
21. Unit Avail Factor	<u>90.4</u>	<u>87.7</u>	<u>70.3</u>
22. Unit Cap Factor (MDC Net)	<u>78.3</u>	<u>80.8</u>	<u>62.2</u>
23. Unit Cap Factor (DER Net)	<u>77.3</u>	<u>79.8</u>	<u>61.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.4</u>	<u>12.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>116.4</u>	<u>8,628.6</u>
26. Shutdown, Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>12/31/84</u>			

\*\*\*\*\*  
\* PEACH BOTTOM 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### PEACH BOTTOM 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* PEACH BOTTOM 2 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	04/28/84	S	68.8	C	1		RC	FJELXX	SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 PEACH BOTTOM 2 OPERATED ROUTINELY UNTIL APRIL 28 WHEN IT WAS  
 SHUT DOWN 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)

\*\*\*\*\*  
\* PEACH BOTTOM 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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 10 CFR 50.59: (1) ON APRIL 8, 1977, THE LICENSEE CHANGED PROCEDURE GP-3, NORMAL PLANT SHUTDOWN, SUCH THAT PROCEDURALLY ALLOWED OPERATION OF THE ROD WORTH MINIMIZER (RWM) AND ROD SEQUENCE CONTROL SYSTEM (RSCS), DURING SHUTDOWN, WAS BOTH DIFFERENT FROM THAT DESCRIBED IN THE FSAR AND INCONSISTENT WITH TECHNICAL SPECIFICATION OPERABILITY REQUIREMENTS ON THE RWM AND RSCS, YET NEITHER PRIOR COMMISSION APPROVAL NOR A TECHNICAL SPECIFICATION CHANGE WAS OBTAINED. (2) IN ABOUT 1979, THE LICENSEE CHANGED THE RWM SYSTEM SEQUENCE PROGRAM FROM THAT DESCRIBED IN THE FSAR, YET NO FORMAL DETERMINATION WAS MADE AS TO WHETHER THE CHANGE INVOLVED AN UNREVIEWED SAFETY QUESTION AND NO SAFETY EVALUATION WAS WRITTEN. CONTRARY TO TECH SPEC 6.8 AND PROCEDURES A-26, A-47, AND ST 10.5: (1) PROBLEMS WITH TESTING AND OPERATING WAS RWM AND RSCS DURING A PLANT SHUTDOWN ON NOVEMBER 17, 1983, WERE NOT FULLY INVESTIGATED OR CORRECTED WITHIN EIGHT HOURS, YET NO MAINTENANCE REQUEST WAS INITIATED. (2) ST10.6, REVISION 10, JULY 18, 1980, RAL SEQUENCE CONTROL SYSTEM (RSCS) FUNCTION TEST, WAS WRITTEN AND IMPLEMENTED WITHOUT MAKING THE TECHNICAL SPECIFICATION REQUIREMENT AN ASTERISKED STEP. AS A RESULT, COMPLETED TESTS DO NOT CONTAIN DOCUMENTATION OF THE COMPLETED TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENT, EVEN THOUGH THEY ARE SIGNED OFF AS SATISFACTORY. (3) ON MAY 28, 1983, ST10.5



1. Docket: 50-278 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>82,007.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,600.3</u>	<u>59,400.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,568.5</u>	<u>57,884.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,350,454</u>	<u>8,211,755</u>	<u>169,250,060</u>
18. Gross Elec Ener (MWH)	<u>788,370</u>	<u>2,740,020</u>	<u>55,555,140</u>
19. Net Elec Ener (MWH)	<u>764,595</u>	<u>2,661,394</u>	<u>53,325,179</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.5</u>	<u>70.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.5</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>102.7</u>	<u>88.6</u>	<u>62.8</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>86.1</u>	<u>61.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.5</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>334.5</u>	<u>4,665.4</u>

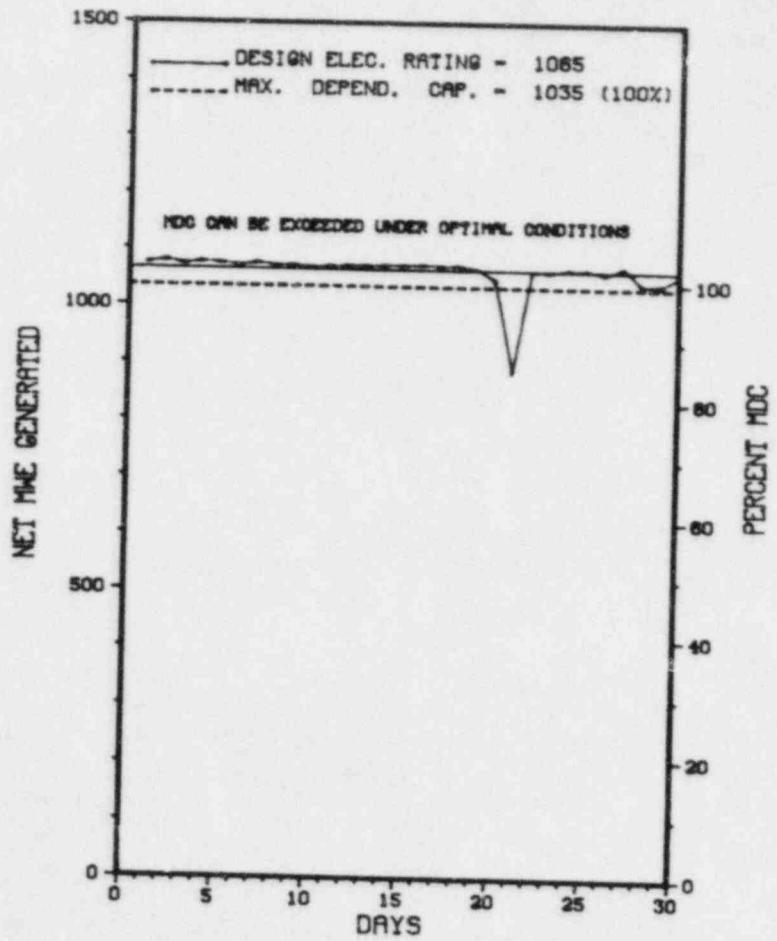
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* PEACH BOTTOM 3 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* PEACH BOTTOM 3 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	04/20/84	S	0.0	H	5		RC	ZZZZZ	CONTROL ROD PATTERN ADJUSTMENT AND CONDENSATE PUMP REPAIR.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
PEACH BOTTOM 3 OPERATED ROUTINELY IN APRIL 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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 ENER 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

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):



1. Docket: 50-293 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>99,863.0</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>67.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>57.6</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>

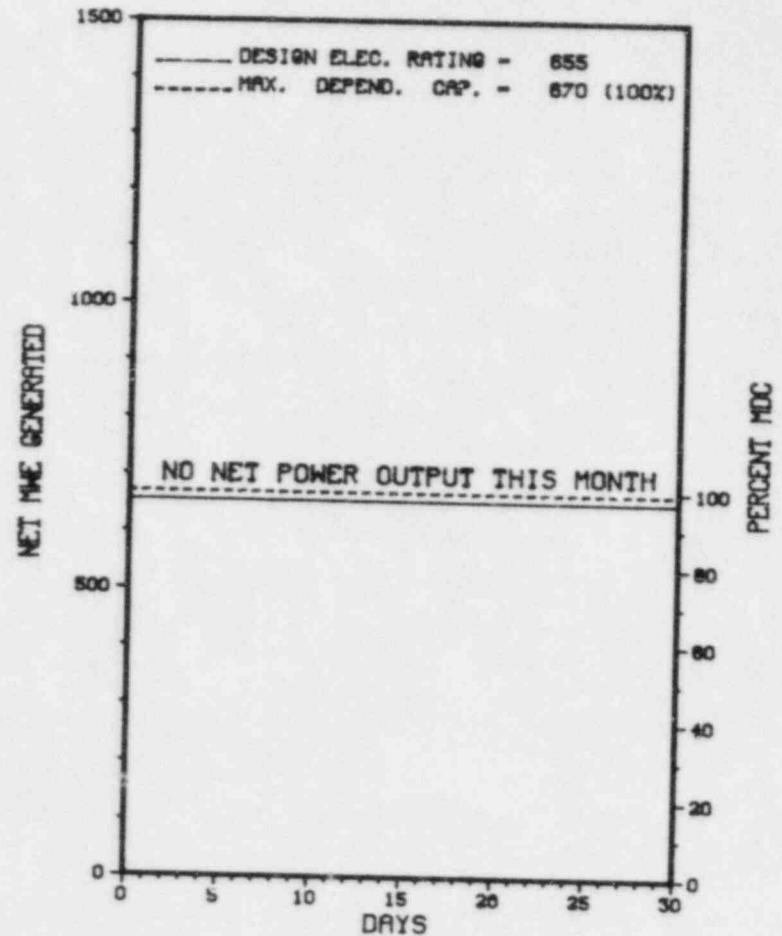
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 09/13/84

\*\*\*\*\*  
\* PILGRIM 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



APRIL 1984

Report Period APR 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	719.0	C	4				SHUTDOWN FOR REFUELING AND RECIRCULATION PIPE REPLACEMENT.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
PILGRIM 1 REMAINS SHUT DOWN FOR REFUELING AND RECIRCULATION  
PIPING 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)

\*\*\*\*\*  
\* PILGRIM 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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  
LICENSEE.....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, 1972  
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 TS 6.8.A AND RG 1.33 PROCEDURES WERE NOT PROPERLY ESTABLISHED AND MAINTAINED FOR NORMAL OPERATION OF THE PRIMARY CONTAINMENT ATMOSPHERE DILUTION SYSTEM.  
(8404 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):



1. Docket: 50-266                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>118,199.0</u>
13. Hours Reactor Critical	<u>554.4</u>	<u>554.4</u>	<u>94,632.9</u>
14. Rx Reserve Shtdwn Hrs	<u>3.9</u>	<u>3.9</u>	<u>629.3</u>
15. Hrs Generator On-Line	<u>520.5</u>	<u>520.5</u>	<u>92,128.0</u>
16. Unit Reserve Shtdwn Hrs	<u>5.8</u>	<u>5.8</u>	<u>799.3</u>
17. Gross Therm Ener (MWH)	<u>692,459</u>	<u>692,459</u>	<u>124,227,771</u>
18. Gross Elec Ener (MWH)	<u>239,010</u>	<u>239,010</u>	<u>41,634,990</u>
19. Net Elec Ener (MWH)	<u>226,245</u>	<u>226,245</u>	<u>39,594,127</u>
20. Unit Service Factor	<u>72.4</u>	<u>17.9</u>	<u>77.9</u>
21. Unit Avail Factor	<u>73.2</u>	<u>18.1</u>	<u>78.6</u>
22. Unit Cap Factor (MDC Net)	<u>64.9</u>	<u>16.1</u>	<u>68.5*</u>
23. Unit Cap Factor (DER Net)	<u>63.3</u>	<u>15.7</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):

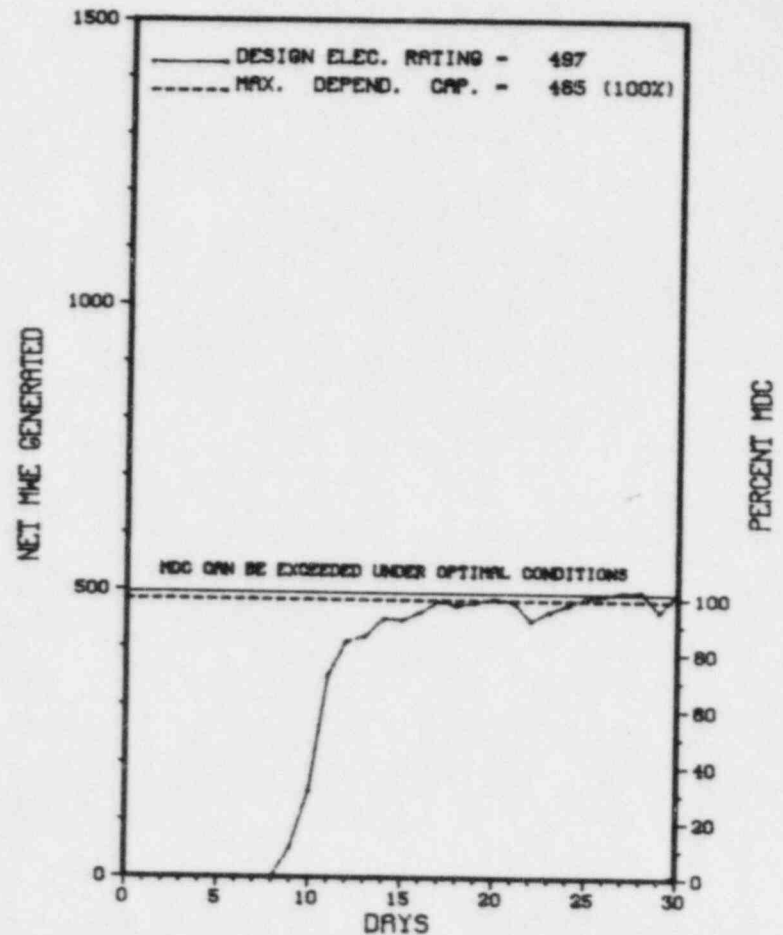
NONE

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

\*\*\*\*\*  
\*                      POINT BEACH 1                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



APRIL 1984

\* Item calculated with a Weighted Average



Report Period APR 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	197.5	C	4		ZZ	ZZZZZZ	CONTINUATION OF A 26-WEEK REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.
1	04/09/84	S	1.0	B	1		ZZ	ZZZZZZ	UNIT REMOVED FROM SERVICE TO COMPLETE OFF LINE TURBINE TRIP TESTING.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 POINT BEACH 1 RETURNED TO POWER ON APRIL 9 FOLLOWING 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)







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1. Docket: 50-301 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>102,984.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,903.0</u>	<u>91,331.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>198.3</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,903.0</u>	<u>89,805.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>182.7</u>
17. Gross Therm Ener (MWH)	<u>1,068,842</u>	<u>4,357,092</u>	<u>125,251,869</u>
18. Gross Elec Ener (MWH)	<u>359,900</u>	<u>1,468,610</u>	<u>42,428,440</u>
19. Net Elec Ener (MWH)	<u>343,539</u>	<u>1,405,154</u>	<u>40,410,419</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>87.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>87.4</u>
22. Unit Cap Factor (MDC Net)	<u>96.5</u>	<u>97.8</u>	<u>79.8*</u>
23. Unit Cap Factor (DER Net)	<u>96.1</u>	<u>97.4</u>	<u>79.0</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>

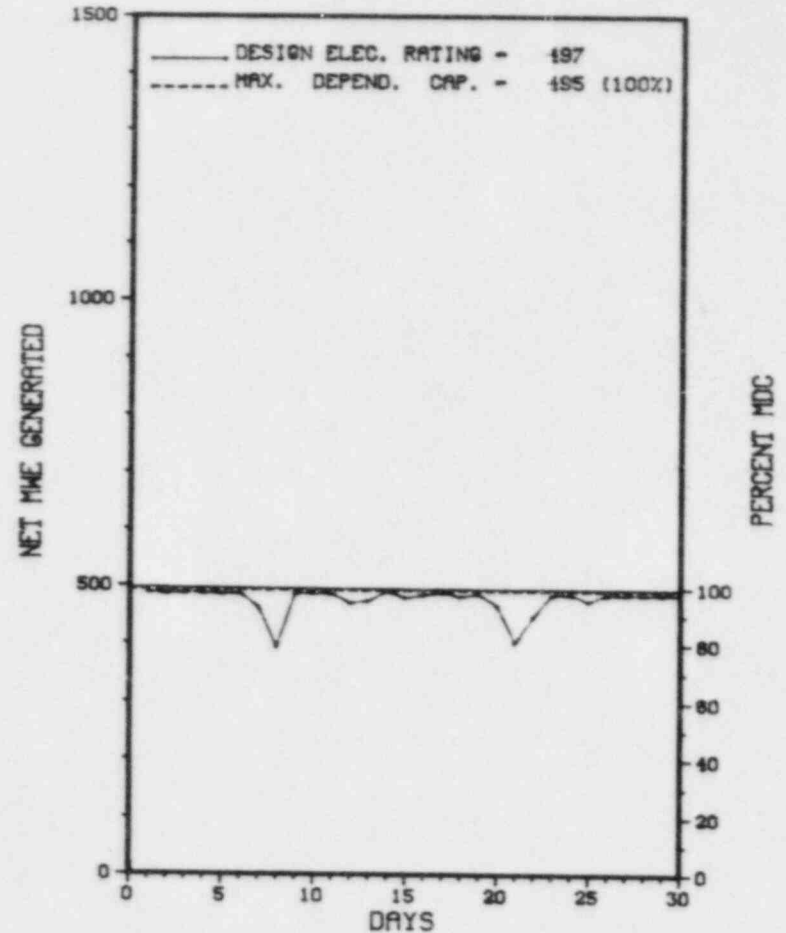
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
REFUELING & MAINTENANCE: 09/28/84 - 5 WEEKS.

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

\*\*\*\*\*  
\* POINT BEACH 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 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 APRIL WITH NO SHUTDOWNS OR  
POWER REDUCTIONS REPORTED.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System &amp; 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)

\*\*\*\*\*  
\* POINT BEACH 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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 FEBRUARY 27 TO MARCH 2, (84-01): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM DURING THE UNIT 1 STEAM GENERATOR REPAIR AND REFUELING OUTAGE, INCLUDING: ORGANIZATIONAL CHANGES; POSTING AND CONTROL; INTERNAL AND EXTERNAL EXPOSURE CONTROL; LICENSEE AUDITS; AND THE STEAM GENERATOR SPECIMEN REMOVAL PROJECT. ALSO, LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS AND TMI ACTION PLAN ITEMS II.B.2.2, II.F.1.1, II.F.1.2, AND II.F.1.3 WERE REVIEWED. THE INSPECTION INVOLVED 61 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN EIGHT AREAS. TWO VIOLATIONS WERE IDENTIFIED IN ONE AREA (FAILURE TO RETAIN RECORDS OF CALIBRATIONS - SECTION 10, AND FAILURE TO COMPLY WITH AN NRC ORDER CONFIRMING POST-TMI ACTIONS - SECTION 10).

INSPECTION ON MARCH 12-13, (84-02): REVIEWED INFORMATION ON CRACK INDICATIONS AND FAILURE OF CONTROL ROD DRIVE SUPPORT PINS AND ALSO UT INDICATIONS IN THE NOZZLE TO PRESSURE VESSEL WELDS IN THE HOT LEGS OF THE REACTOR COOLANT PRESSURE BOUNDARY. THE INSPECTION INVOLVED A TOTAL OF 11 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

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.



Report Period APR 1984

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

\*\*\*\*\*  
\*            POINT BEACH 2            \*  
\*\*\*\*\*

ENFORCEMENT SUMMARY

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 DATE FOR NUREG-0737 ITEM II.B.2.2, "PLANT SHIELDING MODIFICATIONS," AS JANUARY 1, 1984. CONTRARY TO THE ABOVE, THE PORTABLE SHIELDING FOR THE CONTROL ROOM AND C-59 PANEL, NEEDED TO SATISFY THE CRITERIA OF ITEM II.B.2.2, WAS NOT ASSEMBLED AND IN PLACE UNTIL JANUARY 6, 1984.  
(8401 4)

TECHNICAL SPECIFICATION 15.6.10, "PLANT OPERATING RECORDS," STATES, IN PART, THAT RECORDS RELATIVE TO PERIODIC CHECKS AND INSPECTIONS BE RETAINED. CONTRARY TO THE ABOVE, NO RECORDS OF THE CONTAINMENT HIGH RANGE RADIATION MONITOR IN SITU SOURCE CALIBRATIONS WERE RETAINED.  
(8401 5)

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 - APRIL 15, 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
84-01/	02/23/84	03/15/84	SNUBBER REMOVED PRIOR TO TS CHANGE.

1. Docket: 50-282                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (Mbt):                      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>719.0</u>	<u>2,903.0</u>	<u>90,935.0</u>

13. Hours Reactor Critical	<u>719.0</u>	<u>2,853.4</u>	<u>74,526.4</u>
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14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
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15. Hrs Generator On-Line	<u>719.0</u>	<u>2,832.0</u>	<u>73,213.1</u>
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16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
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17. Gross Therm Ener (MWH)	<u>1,175,628</u>	<u>4,546,681</u>	<u>114,857,843</u>
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18. Gross Elec Ener (MWH)	<u>389,630</u>	<u>1,521,170</u>	<u>37,400,970</u>
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19. Net Elec Ener (MWH)	<u>366,886</u>	<u>1,440,756</u>	<u>35,032,185</u>
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20. Unit Service Factor	<u>100.0</u>	<u>97.6</u>	<u>80.5</u>
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21. Unit Avail Factor	<u>100.0</u>	<u>97.6</u>	<u>80.5</u>
-----------------------	--------------	-------------	-------------

22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>98.7</u>	<u>76.6</u>
-------------------------------	--------------	-------------	-------------

23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>93.6</u>	<u>72.7</u>
-------------------------------	-------------	-------------	-------------

24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.3</u>
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25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,920.9</u>
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26. Shutdowns Sclied Over Next 6 Months (Type, Date, Duration):

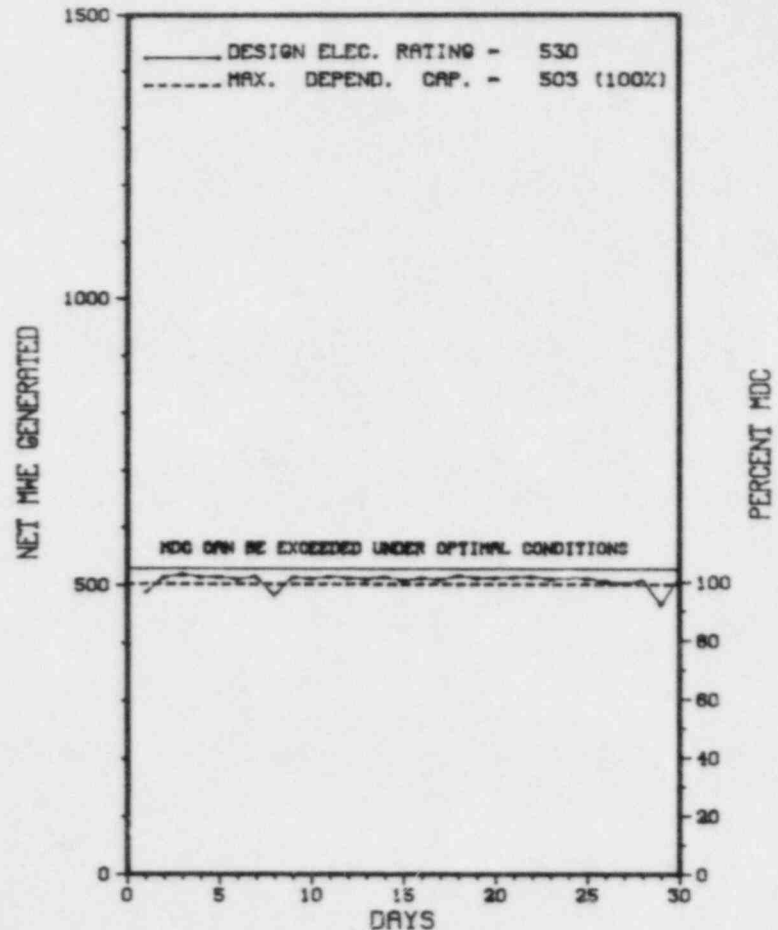
TEN YEAR OVERHAUL IN JANUARY 1985.

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

\*\*\*\*\*  
\* PRAIRIE ISLAND 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### PRAIRIE ISLAND 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* PRAIRIE ISLAND 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	04/01/84	S	0.0	B	5				CONTROL VALVES TEST.
	04/08/84	S	0.0	B	5				AXIAL OFFSET CALIBRATION.
	04/29/84	S	0.0	B	5				TURBINE VALVES TEST.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 PRAIRIE ISLAND 1 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWNS REPORTED.

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)

\*\*\*\*\*  
\* PRAIRIE ISLAND 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 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. DIIANNI  
DOCKET NUMBER.....50-282  
  
LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974  
  
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 MARCH 12-15, (84-05): ROUTINE INSPECTION OF PRAIRIE ISLAND NUCLEAR GENERATING PLANT RADIOLOGICAL EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE; LICENSEE ACTION ON A PREVIOUSLY-IDENTIFIED ITEM RELATED TO EMERGENCY PREPAREDNESS; AND LICENSEE ACTION ON PREVIOUSLY-IDENTIFIED EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 121 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED; HOWEVER, ONE SIGNIFICANT EXERCISE WEAKNESS REGARDING THE UNTIMELY EVACUATION OF NON-ESSENTIAL ONSITE PERSONNEL WAS IDENTIFIED AND IS DESCRIBED IN APPENDIX A OF THE INSPECTION REPORT TRANSMITTAL LETTER.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.5.A.3 REQUIRES, IN PART, THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED COVERING ACTIONS TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL OR ACTUAL MALFUNCTION OF SYSTEMS OR COMPONENTS INCLUDING RESPONSES TO ALARMS AND PRIMARY SYSTEM LEAKS. CONTRARY TO THE ABOVE, NO ALARM ANNUNCIATOR PROCEDURE HAD BEEN ISSUED FOR ALARM 47012-0107, PRESSURIZER SAFETY/RELIEF VALVE FLOW ALARM, WHICH IS DESIGNED TO DETECT PRIMARY SYSTEM LEAKAGE IN PIPING DOWNSTREAM OR THE PRESSURIZER SAFETY AND RELIEF VALVES. TECHNICAL SPECIFICATION 6.5.A.3 REQUIRES, IN PART, THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED COVERING ACTIONS TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL OR ACTUAL MALFUNCTION OF SYSTEMS OR COMPONENTS INCLUDING RESPONSES TO ALARMS AND PRIMARY SYSTEM LEAKS. CONTRARY TO THE ABOVE, NO ALARM ANNUNCIATOR PROCEDURE HAD

Report Period APR 1984

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

\*\*\*\*\*  
\* PRAIRIE ISLAND 1 \*  
\*\*\*\*\*

ENFORCEMENT SUMMARY

BEEN ISSUED FOR ALARM 47012-0107, PRESSURIZER SAFETY/RELIEF VALVE FLOW ALARM, WHICH IS DESIGNED TO DETECT PRIMARY SYSTEM LEAKAGE IN PIPING DOWNSTREAM OF THE PRESSURIZER SAFETY AND RELIEF VALVES.  
(3405 5)

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: 50-306                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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):                      531

8. Maximum Dependable Capacity (Net MWe):                      500

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

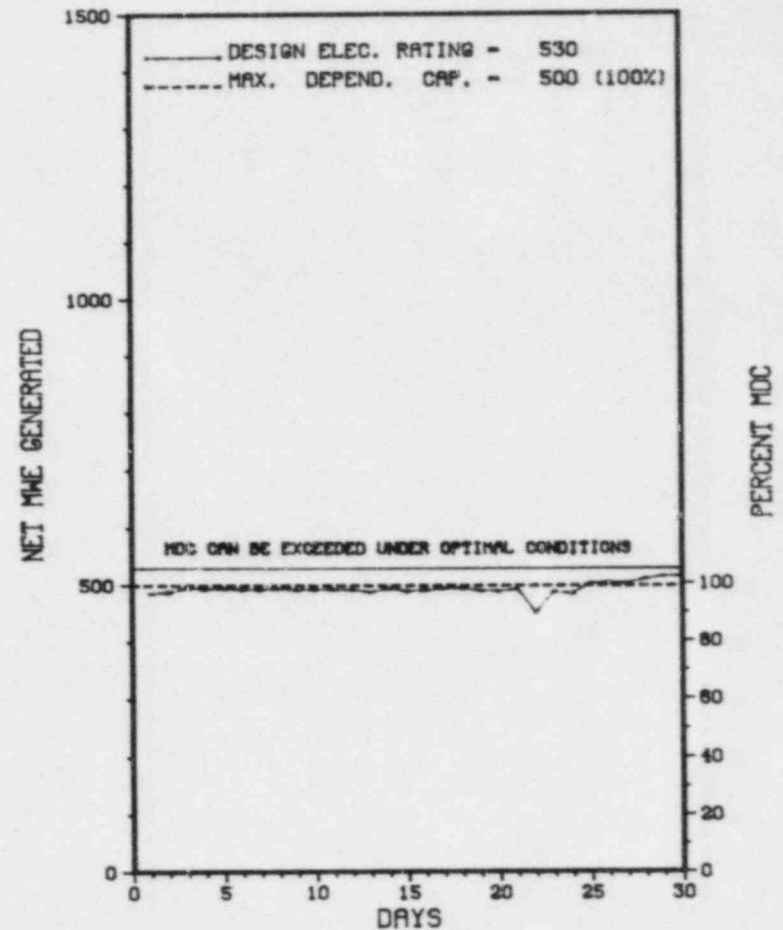
10. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

11. Reasons for Restrictions, If Any: \_\_\_\_\_  
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>82,053.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,903.0</u>	<u>71,153.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,903.0</u>	<u>70,196.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,139,416</u>	<u>4,631,555</u>	<u>110,363,413</u>
18. Gross Elec Ener (MWH)	<u>376,840</u>	<u>1,551,130</u>	<u>35,658,530</u>
19. Net Elec Ener (MWH)	<u>355,349</u>	<u>1,474,420</u>	<u>33,449,303</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>85.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>85.5</u>
22. Unit Cap Factor (MDC Net)	<u>98.8</u>	<u>101.6</u>	<u>81.5</u>
23. Unit Cap Factor (DER Net)	<u>93.3</u>	<u>95.8</u>	<u>76.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.3</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: <u>N/A</u>			

\*\*\*\*\*  
\* PRAIRIE ISLAND 2 \*  
\*\*\*\*\*  
AVERAGE DAILY POWER LEVEL (MWe) PLOT

## PRAIRIE ISLAND 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* PRAIRIE ISLAND 2 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
	04/22/84	S	0.0	B	5			TURBINE VALVES TEST.

\*\*\*\*\* PRAIRIE ISLAND 2 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWNS  
\* SUMMARY \*  
\*\*\*\*\* 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)

\*\*\*\*\*  
\* PRAIRIE ISLAND 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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  
  
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 MARCH 12-15, (84-05): ROUTINE INSPECTION OF PRAIRIE ISLAND NUCLEAR GENERATING PLANT RADIOLOGICAL EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE; LICENSEE ACTION ON A PREVIOUSLY-IDENTIFIED ITEM RELATED TO EMERGENCY PREPAREDNESS; AND LICENSEE ACTION ON PREVIOUSLY-IDENTIFIED EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 121 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED; HOWEVER, ONE SIGNIFICANT EXERCISE WEAKNESS REGARDING THE UNTIMELY EVACUATION OF NON-ESSENTIAL ONSITE PERSONNEL WAS IDENTIFIED AND IS DESCRIBED IN APPENDIX A OF THE INSPECTION REPORT TRANSMITTAL LETTER.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:



Report Period APR 1984

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

\*\*\*\*\*  
\*            PRAIRIE ISLAND 2            \*  
\*\*\*\*\*

OTHER ITEMS

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 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: DAVE KIMLER (309) 654-2241 X192

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>719.0</u>	<u>2,903.0</u>	<u>104,927.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>3,659.732</u>	<u>168,766,438</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,213.148</u>	<u>54,471,876</u>
19. Net Elec Ener (MWH)	<u>-577</u>	<u>1,152,373</u>	<u>50,757,633</u>
20. Unit Service Factor	<u>.0</u>	<u>53.8</u>	<u>78.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>53.8</u>	<u>78.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>51.6</u>	<u>62.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>50.3</u>	<u>61.3</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>

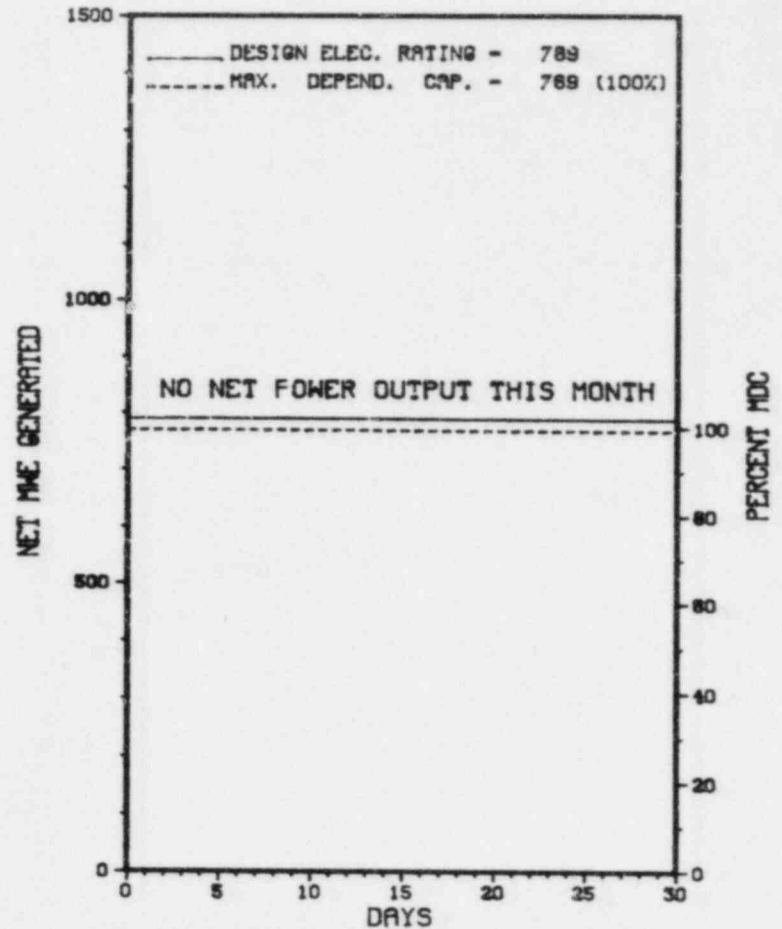
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 07/30/84

\*\*\*\*\*  
\* QUAD CITIES \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### QUAD CITIES 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* QUAD CITIES 1 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-14	03/06/84	S	719.0	C	4		RC	FUELXX	UNIT ONE REMAINS SHUTDOWN FOR END OF CYCLE SEVEN REFUELING AND MAINTENANCE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
QUAD CITIES CONTINUED A REFUELING AND MAINTENANCE SHUTDOWN DURING ALL OF APRIL.

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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 FEBRUARY 1, THROUGH MARCH 30, (84-02): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; INFORMATION NOTICES; DESIGN CHANGES AND MODIFICATIONS; ONSITE REVIEW COMMITTEE; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; PROCEDURES; TMI FOLLOWUP; REGIONAL REQUESTS; HEADQUARTERS REQUESTS; UNIT 2 OUTAGE; HEADQUARTERS MEETING; MANAGEMENT MEETING; SHUTDOWN MARGIN DEMONSTRATION; UNUSUAL EVENT; AND REACTOR SCRAMS. THE INSPECTION INVOLVED A TOTAL OF 333 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 20-23, (84-03): ROUTINE UNANNOUNCED INSPECTION OF MAJOR MAINTENANCE AND REFUELING RADIATION PROTECTION ACTIVITIES, INCLUDING: AUDITS AND APPRAISALS, CHANGES, PLANNING AND PREPARATION, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION, ALARA, AND PROCEDURES. ALSO REVIEWED WAS THE STATUS OF CERTAIN NUREG-0737 TASK ITEMS. THE INSPECTION INVOLVED 66 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE



1. Docket: 50-265 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: DAVE KIMLER (309) 654-2241 X192

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>719.0</u>	<u>2,903.0</u>	<u>104,037.0</u>
13. Hours Reactor Critical	<u>628.4</u>	<u>1,617.9</u>	<u>79,535.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>628.0</u>	<u>1,532.3</u>	<u>76,742.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,550,038</u>	<u>3,527,321</u>	<u>158,909,409</u>
18. Gross Elec Ener (MWH)	<u>506,848</u>	<u>1,148,581</u>	<u>50,584,339</u>
19. Net Elec Ener (MWH)	<u>482,542</u>	<u>1,090,854</u>	<u>47,425,728</u>
20. Unit Service Factor	<u>87.3</u>	<u>52.8</u>	<u>73.8</u>
21. Unit Avail Factor	<u>87.3</u>	<u>52.8</u>	<u>74.4</u>
22. Unit Cap Factor (MDC Net)	<u>87.3</u>	<u>48.9</u>	<u>59.3</u>
23. Unit Cap Factor (DER Net)	<u>85.1</u>	<u>47.6</u>	<u>57.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.6</u>	<u>8.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>107.7</u>	<u>3,297.8</u>

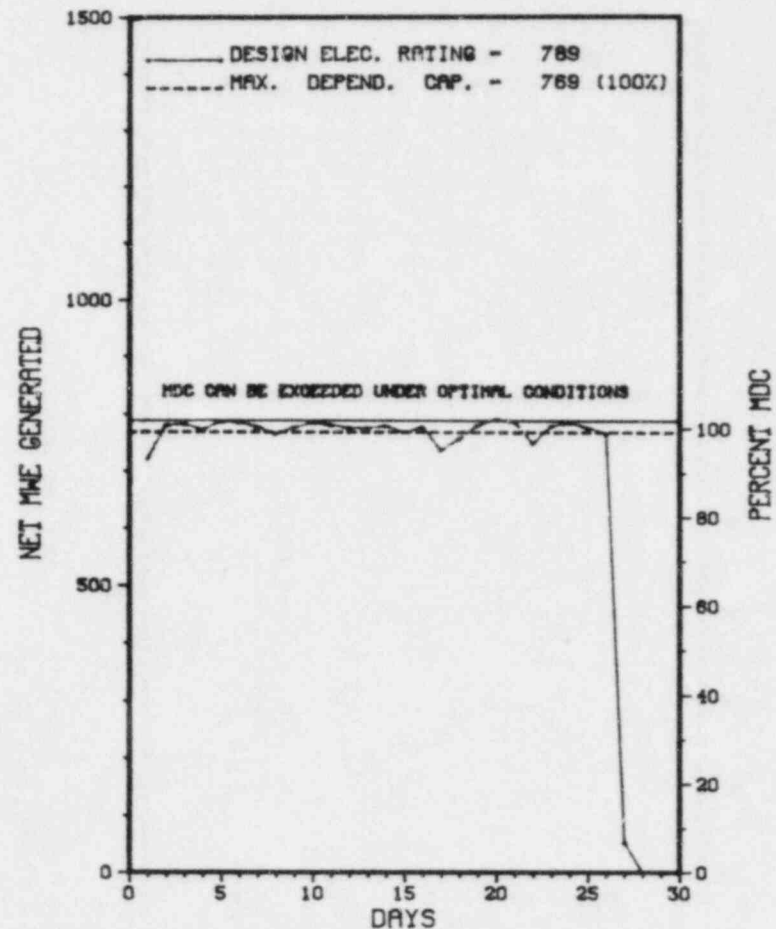
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 05/07/84

\*\*\*\*\*  
\* QUAD CITIES 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* QUAD CITIES 2 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-13	04/01/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
84-14	04/08/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
84-15	04/15/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
85-16	04/17/84	F	0.0	A	5		CH	VALVEX	REDUCED LOAD DUE TO FAILED FEEDWATER REGULATING VALVE.
85-17	04/22/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
85-18	04/27/84	S	91.0	B	1		HF	VALVEX	SHUTDOWN FOR REPAIR OF 2A CIRCULATING WATER PUMP DISCHARGE VALVE.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 QUAD CITIES 2 WAS SHUT DOWN ON APRIL 27 FOR REPAIR OF A  
 RECIRCULATING WATER PUMP VALVE.

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		

\*\*\*\*\*  
\* QUAD CITIES 2 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 FEBRUARY 1, THROUGH MARCH 30, (84-02): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; INFORMATION NOTICES; DESIGN CHANGES AND MODIFICATIONS; ONSITE REVIEW COMMITTEE; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; PROCEDURES; TMI FOLLOWUP; REGIONAL REQUESTS; HEADQUARTERS REQUESTS; UNIT 2 OUTAGE; HEADQUARTERS MEETING; MANAGEMENT MEETING; SHUTDOWN MARGIN DEMONSTRATION; UNUSUAL EVENT; AND REACTOR SCRAMS. THE INSPECTION INVOLVED A TOTAL OF 333 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER IIFMS

SYSTEMS AND COMPONENT PROBLEMS:



Report Period APR 1984

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
\*                    Q U A D   C I T I E S   2                    \*  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUT DOWN FOR A SCHEDULED MAINTENANCE OUTAGE. STARTUP IS EXPECTED ON 5/03/84.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
-----			
=====			

1. Docket: 50-312 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>79,224.0</u>
13. Hours Reactor Critical	<u>241.3</u>	<u>2,129.4</u>	<u>46,481.0</u>
14. Rx Reserve Shtdwn Hrs	<u>477.7</u>	<u>767.4</u>	<u>10,081.2</u>
15. Hrs Generator On-Line	<u>134.3</u>	<u>2,010.6</u>	<u>44,552.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>329,934</u>	<u>4,870,241</u>	<u>110,781,583</u>
18. Gross Elec Ener (MWH)	<u>105,144</u>	<u>1,624,473</u>	<u>37,020,545</u>
19. Net Elec Ener (MWH)	<u>89,406</u>	<u>1,518,786</u>	<u>34,893,110</u>
20. Unit Service Factor	<u>18.7</u>	<u>69.3</u>	<u>56.2</u>
21. Unit Avail Factor	<u>18.7</u>	<u>69.3</u>	<u>57.8</u>
22. Unit Cap Factor (MDC Net)	<u>14.2</u>	<u>59.9</u>	<u>50.5</u>
23. Unit Cap Factor (DER Net)	<u>13.5</u>	<u>57.0</u>	<u>48.0</u>
24. Unit Forced Outage Rate	<u>81.3</u>	<u>30.7</u>	<u>28.0</u>
25. Forced Outage Hours	<u>584.7</u>	<u>892.4</u>	<u>17,302.4</u>

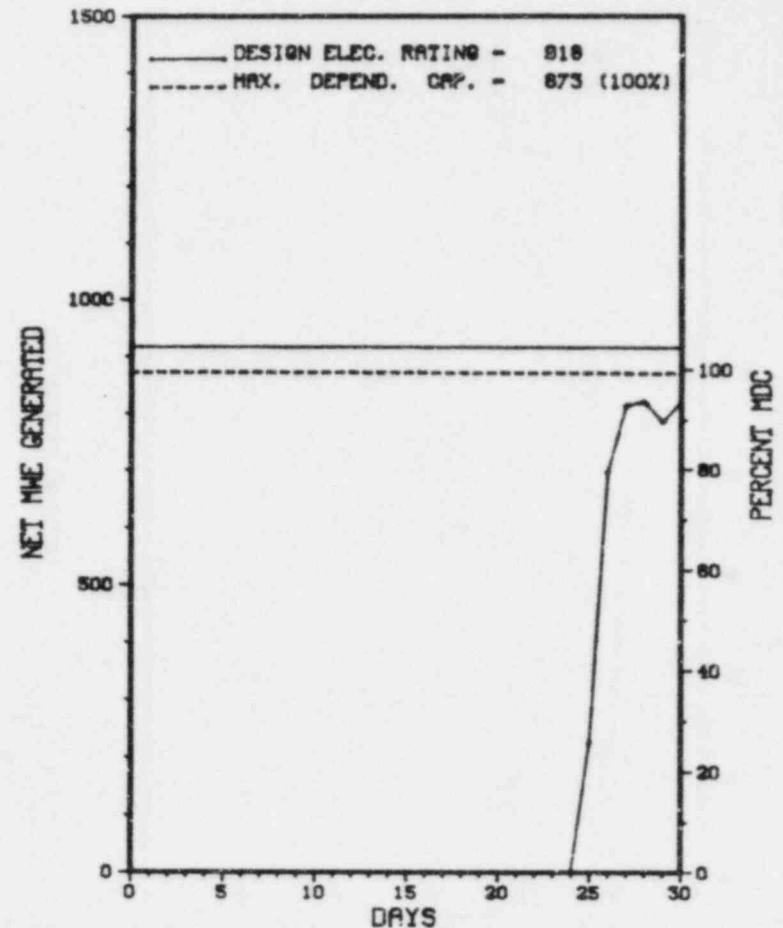
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
REFUELING, OCTOBER 1984, 3 MONTHS.

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

\*\*\*\*\*  
\* RANCHO SECO 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### RANCHO SECO 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* RANCHO SECO 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	03/19/84	F	584.7	A	4	84-15	HA	XXXXXX	HYDROGEN EXPLOSION IN EXCITER ENCLOSURE. CORRECTIVE ACTION TO BE COMPLETED INCLUDES A CONCERTED EFFORT BY THE DISTRICT FOR IMPLEMENTATION OF VARIOUS RECOMMENDATIONS IN ORDER TO PREVENT FUTURE SIMILAR EVENTS.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 RANCHO SECO 1 RETURNED TO POWER ON APRIL 25 FOLLOWING A SHUTDOWN FOLLOWING A HYDROGEN EXPLOSION IN EXCITER ENCLOSURE.

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 APR 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.....J. ECKHARD  
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 APRIL 9-13, 1984 (REPORT NO. 50-312/84-05) AREAS INSPECTED: FOLLOWUP ON INFORMATION NOTICE 84-07; SECURITY EVENTS FOLLOWUP; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTANANCE; PHYSICAL BARRIERS-PROTECTED AREAS; PHYSICAL BARRIERS-VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS: ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREA; DETECTION AIDS-VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND FOLLOWUP ITEMS IDENTIFIED IN PREVIOUS SECURITY INSPECTIONS. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON MARCH 9-13, 1984 (REPORT NO. 50-312/84-06) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON FEBRUARY 24 - APRIL 26, 1984 (REPORT NO. 50-312/84-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period APR 1984

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

\*\*\*\*\*  
\*                    RANCHO SECO 1                    \*  
\*\*\*\*\*

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEM AND COMPONENT PROBLEMS:

+ NONE

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT RESUMED OPERATION ON APRIL 25 FOLLOWING AN OUTAGE WHICH BEGAN ON MARCH 19 WITH A MAIN GENERATOR HYDROGEN EXPLOSION AND FIRE. THE PLANT REACHED 92 PERCENT POWER ON APRIL 27 AND OPERATED AT THAT POWER LEVEL FOR THE BALANCE OF THE MONTH.

LAST IE SITE INSPECTION DATE: 02/24-04/26/84+

INSPECTION REPORT NO: 50-312/84-07+

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
84-07	02-29-84	03-29-84	REACTOR TRIP DUE TO SLOW FEEDWATER SYSTEM RESPONSE AND GRID UPSET
84-08	02-29-84	03-29-84	INABILITY TO ANALYZE CHLORIDES AND BORON USING POST-ACCIDENT SAMPLING SYSTEM
84-09	02-29-84	03-29-84	PARTIAL FAILURE OF LIFTING SLING WHILE HANDLING SPENT FUEL RACK
84-10	03-01-84	03-30-84	PARTIAL PERFORMANCE OF ISOLATION VALVE SURVEILLANCE TEST

=====

1. Docket: 50-261                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>115,349.0</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>-2,046</u>	<u>216,787</u>	<u>49,436,411</u>
20. Unit Service Factor	<u>.0</u>	<u>21.2</u>	<u>71.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>21.2</u>	<u>71.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>11.2</u>	<u>64.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>10.7</u>	<u>61.2</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>

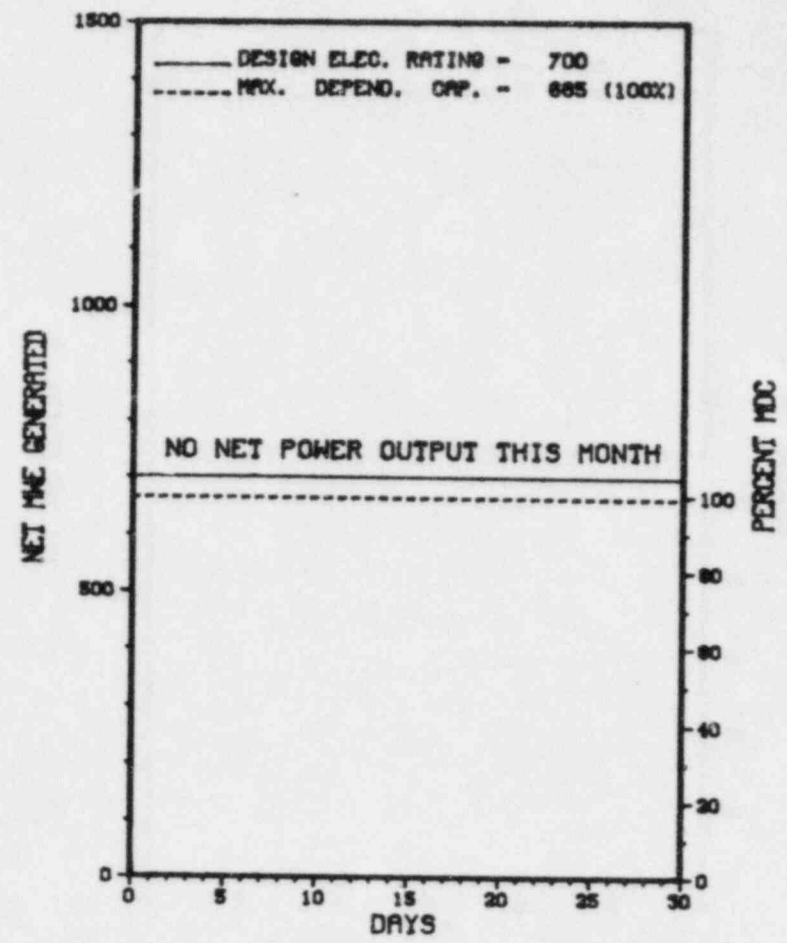
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 07/04/84

\*\*\*\*\*  
\*                      ROBINSON 2                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* ROBINSON 2 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0401	01/26/84	S	719.0	C	4		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
ROBINSON 2 CONTINUES IN A SHUTDOWN FOR REFUELING AND STEAM GENERATOR REPLACEMENT.

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)







1. Docket: 50-272 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>59,928.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,237.6</u>	<u>34,388.8</u>
14. Rx Reserve Shtdwn 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 Shtdwn 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>-2,431</u>	<u>1,215,027</u>	<u>31,186,339</u>
20. Unit Service Factor	<u>.0</u>	<u>41.3</u>	<u>55.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>41.3</u>	<u>55.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>38.8</u>	<u>48.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>38.4</u>	<u>47.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>45.8</u>	<u>31.2</u>
25. Forced Outage Hours	<u>24.0</u>	<u>1,010.2</u>	<u>15,233.5</u>

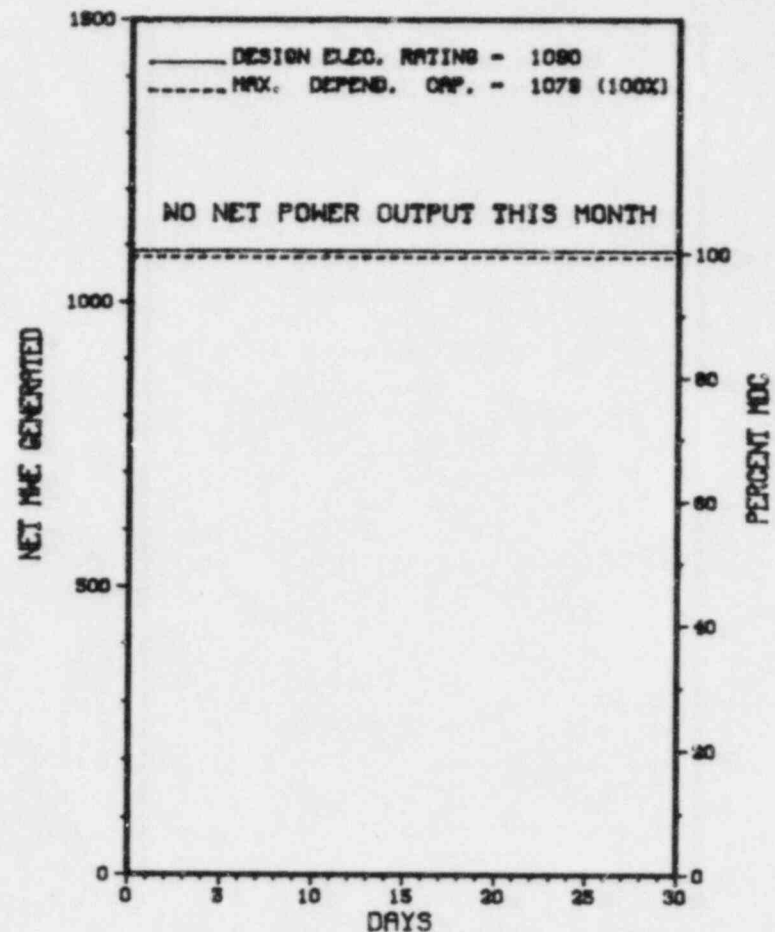
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 09/01/84

\*\*\*\*\*  
\* SALEM 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### SALEM 1



APRIL 1984

Report Period APR 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	24.0	A	3		HA	GENERA	OTHER GENERATOR PROBLEMS
84-174	04/02/84	S	695.0	C	9		RC	FUELXX	NUCLEAR NORMAL REFUELING.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 SALEM WAS SHUTDOWN FOR GENERATOR PROBLEMS AND ON APRIL 2 BEGAN A REFUELING 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)

\*\*\*\*\*  
\* SALEM 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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...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.



1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: L. K. MILLER (609) 935-6000 X4455

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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>719.0</u>	<u>2,903.0</u>	<u>22,344.0</u>
13. Hours Reactor Critical	<u>161.7</u>	<u>902.7</u>	<u>12,611.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1,443.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>129.3</u>	<u>778.3</u>	<u>12,195.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>406,510</u>	<u>2,470,951</u>	<u>35,942,023</u>
18. Gross Elec Ener (MWH)	<u>134,460</u>	<u>804,960</u>	<u>11,673,250</u>
19. Net Elec Ener (MWH)	<u>117,694</u>	<u>737,994</u>	<u>11,055,245</u>
20. Unit Service Factor	<u>18.0</u>	<u>26.8</u>	<u>54.6</u>
21. Unit Avail Factor	<u>18.0</u>	<u>26.8</u>	<u>54.6</u>
22. Unit Cap Factor (MDC Net)	<u>14.8</u>	<u>23.0</u>	<u>44.7</u>
23. Unit Cap Factor (DER Net)	<u>14.7</u>	<u>22.8</u>	<u>44.4</u>
24. Unit Forced Outage Rate	<u>82.0</u>	<u>73.2</u>	<u>34.1</u>
25. Forced Outage Hours	<u>589.7</u>	<u>2,124.7</u>	<u>6,307.8</u>

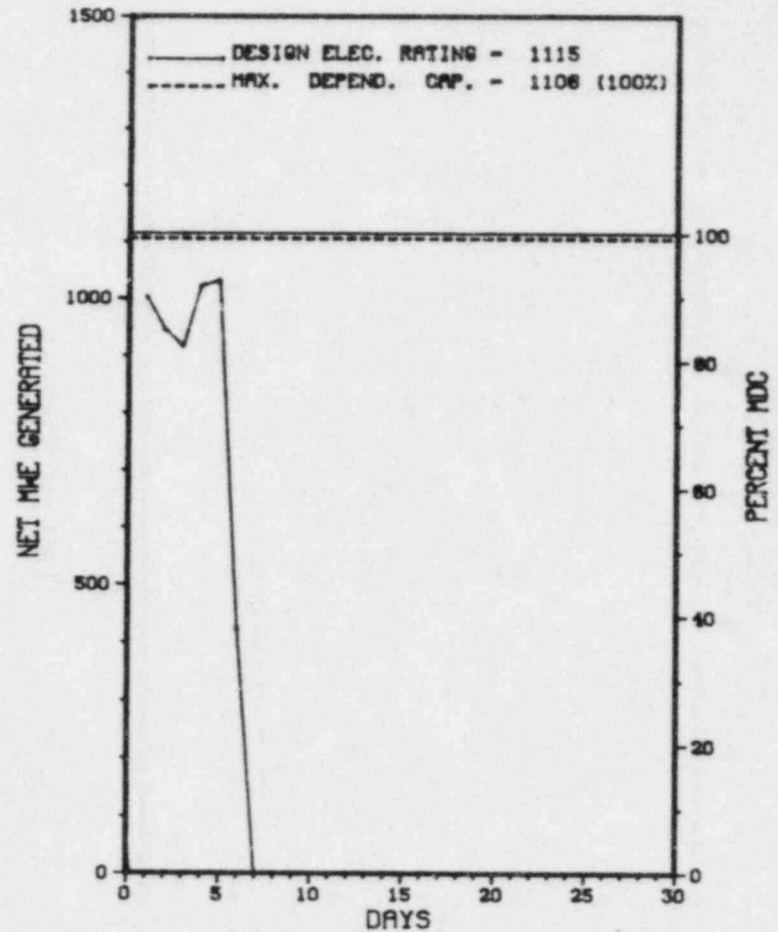
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* SALEM 2 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* SALEM 2 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-128	04/06/84	F	415.6	A	3		HC	INSTRU	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS) CONTROL.
84-130	04/23/84	F	40.0	A	9		HH	VALVEX	FEEDWATER REGULATING BOILER LEVEL CONTROL VALVE.
84-132	04/25/84	F	59.5	A	9		WG	HTEXCH	NUCLEAR CONTAINMENT COOLER/FILTER SYSTEM.
84-134	04/27/84	F	75.6	A	9		HH	VALVEX	FEEDWATER REGULATING BOILER LEVEL CONTROL VALVE.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 SALEM 2 WAS SHUT DOWN FROM APRIL 6 DUE TO SEVERAL CAUSES 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)







1. Docket: 50-206                    O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

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

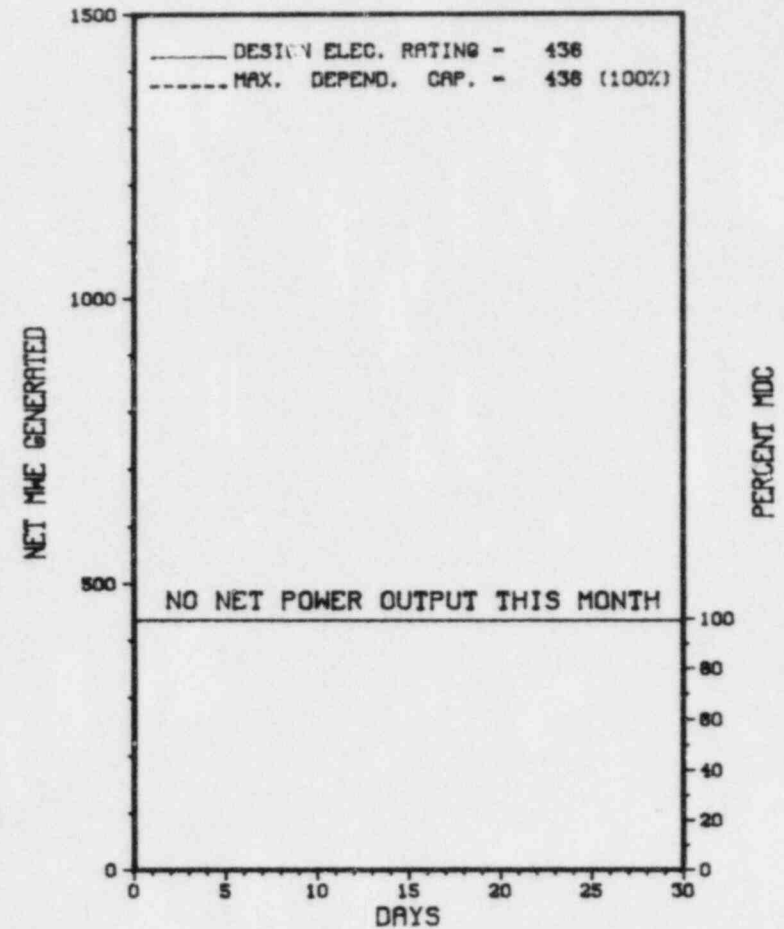
10. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

11. Reasons for Restrictions, If Any: \_\_\_\_\_  
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>147,943.0</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>-1,634</u>	<u>-8,819</u>	<u>34,932,940</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>55.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>55.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.1</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): <u>THE CURRENT OUTAGE BEGAN FEBRUARY 27, 1982.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>10/01/84</u>			

\*\*\*\*\*  
\*                    SAN ONOFRE 1                    \*  
\*\*\*\*\*  
AVERAGE DAILY POWER LEVEL (MWe) PLOT

### SAN ONOFRE 1



APRIL 1984

Report Period APR 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	719.0	B	4		ZZ	ZZZZZZ	EXTENDED OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
SAN ONOFRE 1 REMAINS SHUT DOWN FOR SEISMIC BACKFIT AND MISCELLANEOUS 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)

\*\*\*\*\*  
\* SAN ONOFRE 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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...JUNE 14, 1967  
DATE ELEC ENER 1ST GENER...JULY 16, 1967  
DATE COMMERCIAL OPERATE...JANUARY 1, 1968  
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.....2244 WALNUT GROVE AVENUE  
                                  ROSCHEAD, CALIFORNIA 91770  
  
CONTRACTOR  
ARCHITECT/ENGINEER.....BECHTEL  
  
NUC STEAM SYS SUPPLIER...WESTINGHOUSE  
  
CONSTRUCTOR.....BECHTEL  
  
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V  
IE RESIDENT INSPECTOR.....A. DANGELO  
LICENSING PROJ MANAGER.....W. PAULSON  
DOCKET NUMBER.....50-206  
  
LICENSE & DATE ISSUANCE... DPR-13, MARCH 27, 1967  
  
PUBLIC DOCUMENT ROOM.....SAN CLEMENTE BRANCH LIBRARY  
                                  242 AVENIDA DEL MAR  
                                  SAN CLEMENTE, CALIFORNIA 92672

I N S P E C T I O N   S T A T U S

INSPECTION SUMMARY

- + INSPECTION ON MARCH 1-4, 1984 (REPORT NO. 50-206/84-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 9-19, 1984 (REPORT NO. 50-206/84-09) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 30 - MAY 4, 1984 (REPORT NO. 50-206/84-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 23 - MAY 12, 1984 (REPORT NO. 50-206/84-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:



1. Docket: 50-361 OPERATING STATUS  
 2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0  
 3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223  
 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>719.0</u>	<u>2,903.0</u>	<u>6,408.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,022.4</u>	<u>4,635.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>1,948.2</u>	<u>4,509.9</u>
16. Unit Reserve Shtdwn hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,387,071</u>	<u>6,289,695</u>	<u>14,783,230</u>
18. Gross Elec Ener (MWH)	<u>812,690</u>	<u>2,147,272</u>	<u>5,059,236</u>
19. Net Elec Ener (MWH)	<u>776,077</u>	<u>2,027,790</u>	<u>4,803,434</u>
20. Unit Service Factor	<u>100.0</u>	<u>67.1</u>	<u>70.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>67.1</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>100.9</u>	<u>65.0</u>	<u>70.1</u>
23. Unit Cap Factor (DER Net)	<u>100.9</u>	<u>65.0</u>	<u>70.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.4</u>	<u>5.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>156.8</u>	<u>257.7</u>

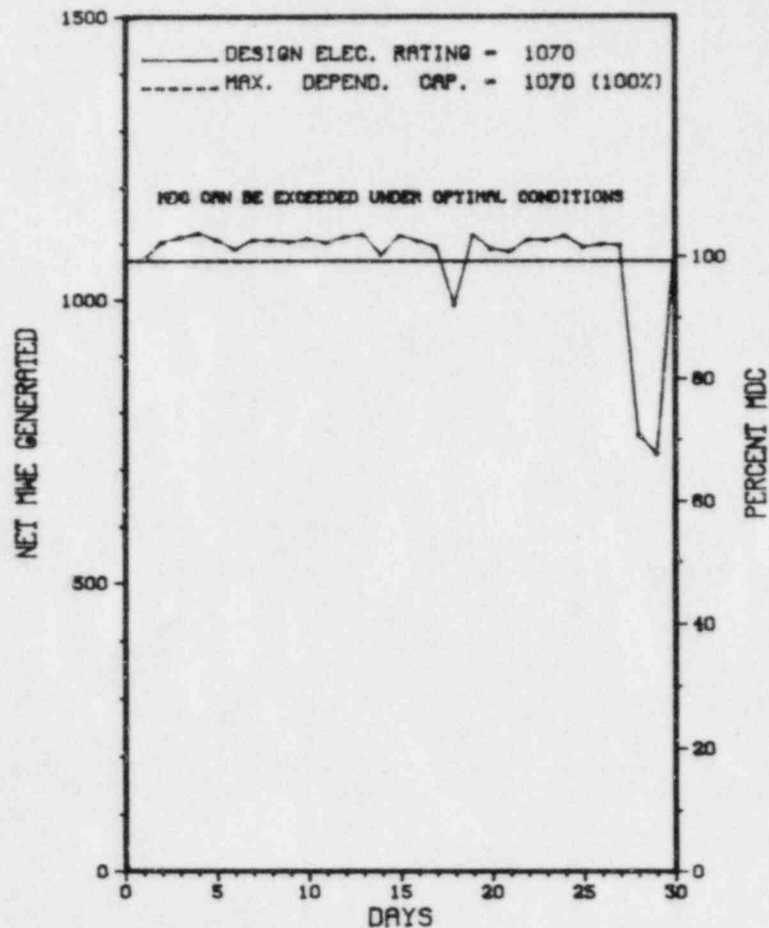
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
REFUELING, SEPTEMBER 1984, 2 MONTH DURATION.

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

\*\*\*\*\*  
 \* SAN ONOFRE 2 \*  
 \*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### SAN ONOFRE 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* SAN ONOFRE 2 \*  
\*\*\*\*\*

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

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
SAN ONOFRE 2 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWNS OR  
POWER 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)

\*\*\*\*\*  
\* SAN ONOFRE 2 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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 METHO...ONCE THRU  
CONDENSER COOLING WATER...PACIFIC OCEAN  
ELECTRIC RELIABILITY  
COUNCIL.....WESTERN SYSTEMS  
COORDINATING COUNCIL

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  
PUBLIC DOCUMENT ROOM.....SAN CLEMENTE LIBRARY  
242 AVENIDA DEL MAR  
SAN CLEMENTE, CALIFORNIA

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

INSPECTION SUMMARY

- + INSPECTION ON AUGUST 22-26, AND OCTOBER 31 - NOVEMBER 4, 1983 (REPORT NO. 50-361/83-30) AREAS INSPECTED: SPECIAL, UNANNOUNCED INSPECTION BY A REGIONAL INSPECTOR OF ALLEGATIONS CONCERNING MECHANICAL SHOCK ARRESTORS. REGION V ALLEGATION TRACKING SYSTEM NUMBER RV-83-A-0026. THE INSPECTION INVOLVED 80 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.  
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON MARCH 26-30, 1984 (REPORT NO. 50-361/84-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 9-13, 1984 (REPORT NO. 50-361/84-10) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LIQUID AND GASEOUS RADIOACTIVE WASTE SYSTEMS FOCUSING ON RELIABILITY OF PROCESS AND EFFLUENT MONITORING INSTRUMENTATION. THE INSPECTION ALSO INCLUDED FOLLOWUP ON PREVIOUS INSPECTOR FINDINGS AND ONE ITEM OF NONCOMPLIANCE. LER'S RELATED TO RADIATION MONITORS WERE EXAMINED AND CLOSED. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.  
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON MARCH 1 - APRIL 3, 1984 (REPORT NO. 50-361/84-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 14-18, 1984 (REPORT NO. 50-361/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.



Report Period APR 1984

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

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\*                    SAN ONOFRE 2                    \*  
\*\*\*\*\*

INSPECTION SUMMARY

+ INSPECTION ON APRIL 23-27, 1984 (REPORT NO. 50-361/84-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES)

NONE

MANAGERIAL ITEMS:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED FEBRUARY 16, 1982. THE FULL POWER FACILITY OPERATING LICENSE WAS ISSUED SEPTEMBER 7, 1982, AS AMENDMENT 7 TO THE LOW POWER LICENSE. THE PLANT COMMENCED COMMERCIAL OPERATION ON AUGUST 7, 1983.

PLANT STATUS:

STEADY OPERATION AT FULL POWER; PROBLEMS BEING EXPERIENCED WITH SEALS ON ONE REACTOR COOLANT PUMP.

LAST IE SITE INSPECTION DATE: 05/14-18/84+

INSPECTION REPORT NO: 50-361/84-12+

Report Period APR 1984

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

\*\*\*\*\*  
\* SAN ONOFRE 2 \*  
\*\*\*\*\*

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
02-17-84	02-17-84	02-21-84	SECURITY COMPUTER SYSTEM INOPERATIVE FOR 24 MINUTES (0217-84-0255)(SPECIAL REPORT)
03-15-84	03-15-84	03-20-84	VA PORTAL T3-353 IN CONSTANT ALARM FOR 13 HOURS, PORTAL WAS LOCKED (SPECIAL REPORT)
84-01	01-11-84	02-28-84	FIRE PROTECTION PROGRAM NONCONFORMANCE REPORTS
84-02	01-30-84	02-28-84	CONTAINMENT PURGE ISOLATION SYSTEM SPURIOUSLY ACTUATED
84-03	01-22-84	02-21-84	CONTAINMENT PURGE ISOLATION SYSTEM ACTUATION
84-04	01-16-84	02-15-84	SPURIOUS CONTAINMENT PURGE ISOLATION SIGNAL
84-05	01-27-84	03-01-84	FAILURE TO ESTIMATE FLOW RATE EVERY FOUR HOURS
84-06	02-03-84	02-28-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM ACTUATIONS
84-07	02-03-84	03-05-84	TRAINS A&B MSIS SPURIOUS ACTUATIONS ON A LOW PRESSURE SIGNAL
84-08	02-11-84	03-12-84	INADVERTENT MODE THREE ENTRY
84-09	02-14-84	03-15-84	DECALIBRATION OF CALCULATED STATIC THERMAL POWER
84-10	02-23-84	03-26-84	PARTIAL LOSS OF EXTRACTION STEAM WATER HEATING
84-11	02-25-84	03-22-84	CPIS ACTUATED DUE TO WATER IN GAS DETECTOR CELL
84-12	- -	04-02-84	TOXIC GAS ISOLATION SYSTEM SPURIOUS ACTUATION
84-13	03-05-84	04-02-84	CONTAINMENT NEGATIVE PRESSURE LIMIT EXCEEDED
84-14	03-06-84	04-05-84	REACTOR COOLANT SYSTEM FLOW RATE IMPROPERLY VERIFIED
84-15	03-06-84	04-05-84	FIRE PROTECTION PROGRAM DISCREPANCIES
84-16	03-09-84	03-30-84	INADVERTENT ESF ACTUATIONS

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1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (MWt): 3390

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1080

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1080

9. If Changes Occur Above Since Last Report, Give Reasons:  
MDC NET & DER REFLECT AUXILIARY STATION 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>719.0</u>	<u>719.0</u>	<u>719.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>719.0</u>	<u>719.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>674.2</u>	<u>674.2</u>	<u>674.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,185,194</u>	<u>2,185,194</u>	<u>2,185,194</u>
18. Gross Elec Ener (MWH)	<u>730,554</u>	<u>730,554</u>	<u>730,554</u>
19. Net Elec Ener (MWH)	<u>693,292</u>	<u>693,292</u>	<u>693,292</u>
20. Unit Service Factor	<u>93.8</u>	<u>93.8</u>	<u>93.8</u>
21. Unit Avail Factor	<u>93.8</u>	<u>93.8</u>	<u>93.8</u>
22. Unit Cap Factor (MDC Net)	<u>89.3</u>	<u>89.3</u>	<u>89.3</u>
23. Unit Cap Factor (DER Net)	<u>89.3</u>	<u>89.3</u>	<u>89.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>.0</u>

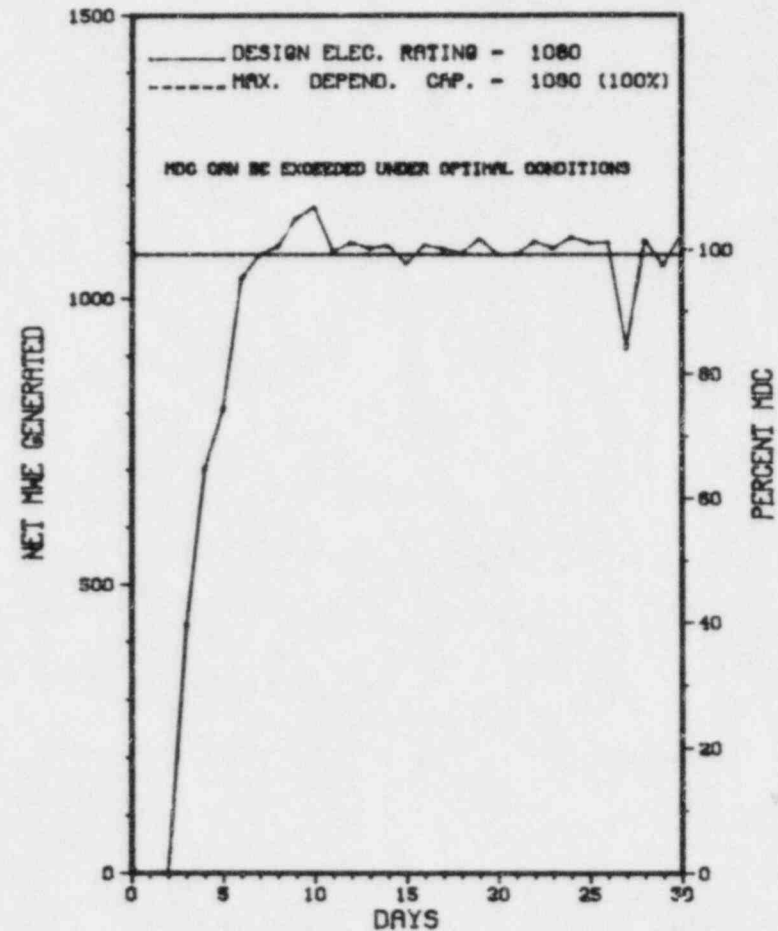
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* SAN ONOFRE 3 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* SAN ONOFRE 3 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
3	03/30/84	S	44.8	B	4			CONTINUATION OF SCHEDULED MAINTENANCE OUTAGE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
SAN ONOFRE 3 DECLARED COMMERCIAL OPERATION ON APRIL 1ST 1984 AND  
RETURNED TO POWER ON APRIL 3 FOLLOWING A 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		

\*\*\*\*\*  
\* SAN ONOFRE 3 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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...APRIL 1, 1984  
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  
PUBLIC DOCUMENT ROOM.....SAN CLEMENTE LIBRARY  
242 AVENIDA DEL MAR  
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 MARCH 26-30, 1984 (REPORT NO. 50-362/84-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
  - + INSPECTION ON APRIL 9-13, 1984 (REPORT NO. 50-362/84-10) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LIQUID AND GASEOUS RADIOACTIVE WASTE SYSTEM FOCUSING ON RELIABILITY OF PROCESS AND EFFLUENT MONITORING INSTRUMENTATION. THE INSPECTION ALSO INCLUDED FOLLOWUP ON PREVIOUS INSPECTOR FINDINGS AND ONE ITEM OF NONCOMPLIANCE. LER'S RELATED TO RADIATION MONITORS WERE EXAMINED AND CLOSED. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON MARCH 1 - APRIL 3, 1984 (REPORT NO. 50-362/84-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
  - + INSPECTION ON MAY 14-18, 1984 (REPORT NO. 50-362/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE



1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: MIKE EDDINGS (615) 870-6248

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>719.0</u>	<u>2,903.0</u>	<u>24,840.0</u>
13. Hours Reactor Critical	<u>86.9</u>	<u>1,101.8</u>	<u>15,543.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>38.8</u>	<u>1,000.1</u>	<u>15,113.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>44,927</u>	<u>2,915,235</u>	<u>48,407,035</u>
18. Gross Elec Ener (MWH)	<u>11,540</u>	<u>967,690</u>	<u>16,348,826</u>
19. Net Elec Ener (MWH)	<u>7,084</u>	<u>922,151</u>	<u>15,699,079</u>
20. Unit Service Factor	<u>5.4</u>	<u>34.5</u>	<u>60.8</u>
21. Unit Avail Factor	<u>5.4</u>	<u>34.5</u>	<u>60.8</u>
22. Unit Cap Factor (MDC Net)	<u>.9</u>	<u>27.7</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>.9</u>	<u>27.7</u>	<u>55.1</u>
24. Unit Forced Outage Rate	<u>87.8</u>	<u>35.2</u>	<u>20.6</u>
25. Forced Outage Hours	<u>280.4</u>	<u>542.6</u>	<u>3,923.3</u>

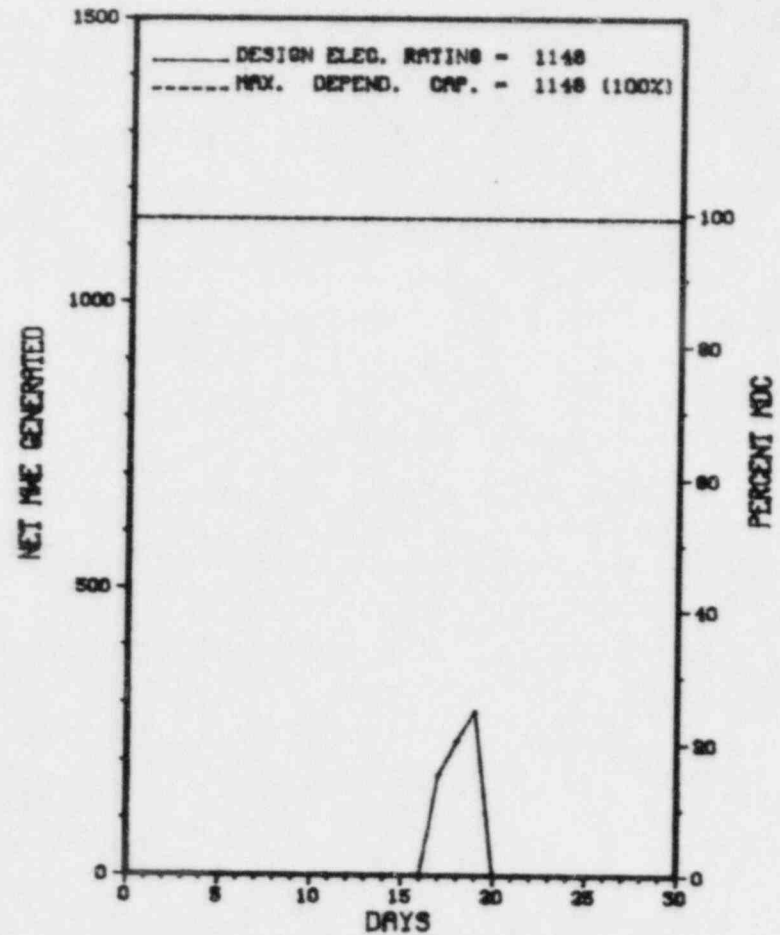
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 05/12/84

\*\*\*\*\*  
\* SEQUOYAH 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



APRIL 1984



Report Period APR 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	399.8	C	4				REFUELING OUTAGE CORE #2 CONCLUDES.
6	04/17/84	F	15.0	A	3				STATOR COOLING WATER PUMP FAILURE.
7	04/19/84	F	265.4	A	3				THIMBLE GUIDE TUBE LEAK AT SEAL TABLE.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 SEQUOYAH 1 COMPLETED REFUELING IN APRIL BUT EXPERIENCED 2  
 ADDITIONAL SHUTDOWNS 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)
	F-Admin		
	G-Oper Error		
	H-Other		





1. Docket: 50-328 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

3. Utility Contact: DAVID DUPREE (615) 870-6543

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

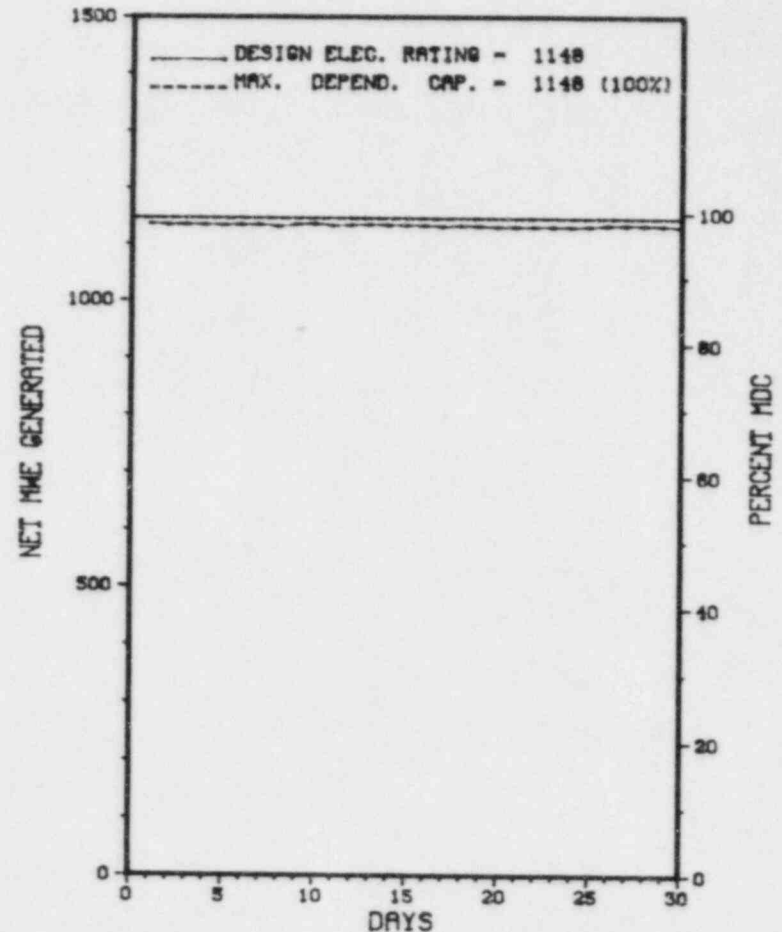
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>16,800.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,842.8</u>	<u>13,203.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,838.6</u>	<u>12,993.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,449,814</u>	<u>9,598,160</u>	<u>42,016,227</u>
18. Gross Elec Ener (MWH)	<u>844,050</u>	<u>3,321,520</u>	<u>14,353,460</u>
19. Net Elec Ener (MWH)	<u>811,190</u>	<u>3,203,403</u>	<u>13,821,141</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.8</u>	<u>77.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.8</u>	<u>77.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>96.1</u>	<u>71.7</u>
23. Unit Cap Factor (DER Net)	<u>98.3</u>	<u>96.1</u>	<u>71.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>64.4</u>	<u>1,166.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
SEPTEMBER 5, 1984 REFUELING/MODIFICATION

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

\*\*\*\*\*  
\* SEQUOYAH 2 \*  
\*\*\*\*\*  
AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
X SEQUOYAH 2 X  
\*\*\*\*\*

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

NONE

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
SEQUOYAH 2 EXPERIENCED NO SHUTDOWNS OR POWER REDUCTIONS IN APRIL.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System &amp; 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)

\*\*\*\*\*  
\* SEQUOYAH 2 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 MARCH 20-22 (84-09): THIS INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING A REGULAR SHIFT PERIOD; ONE INSPECTION HOUR WAS ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: REVIEW OF FOUR SECURITY CONCERNS RELATIVE TO ACCESS CONTROLS AND BARRIERS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE FOUR AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO CONTROL PROTECTED AREA BADGES (84-09-01).

ENFORCEMENT SUMMARY

LICENSEE TECHNICAL SPECIFICATIONS STATE IN PARAGRAPH 6.11, RADIATION PROTECTION PROGRAM, THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20 AND SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. LICENSEE PROCEDURE SQNP, RCI-14, RADIATION WORK PERMIT (RWP) PROGRAM, STATES IN PARAGRAPH III D THAT IF AN RWP TIMESHEET IS POSTED AT THE AREA, HEALTH PHYSICS SHALL MEET THE REQUIREMENTS PRESCRIBED ON THE PERMIT. RWP NO. 02-01-00001, ISSUED JANUARY 9, 1984, FOR REPAIR OF DAMAGED TRACK IN THE FUEL TRANSFER CANAL STATES OBEY ALL INSTRUCTIONS ON THE RWP AND DO NOT EXCEED 250 MREM PER DAY. CONTRARY TO THE ABOVE, TIMESHEET NO. 005 SHOWS THAT DURING THE PERIOD JANUARY 9 - 13, 1984, THREE INDIVIDUALS MADE FOUR ENTRIES INTO THE TRANSFER CANAL IN WHICH THEY RECEIVED EXPOSURES IN EXCESS OF 250 MREM/DAY, RANGING FROM 400 TO 625 MREM.  
(8404 4)



1. Docket: 50-335      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: W. 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:

687 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>719.0</u>	<u>2,903.0</u>	<u>64,511.0</u>
13. Hours Reactor Critical	<u>53.6</u>	<u>53.6</u>	<u>44,519.9</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>-6,652</u>	<u>-15,206</u>	<u>33,314,494</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>67.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>62.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>62.2</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):

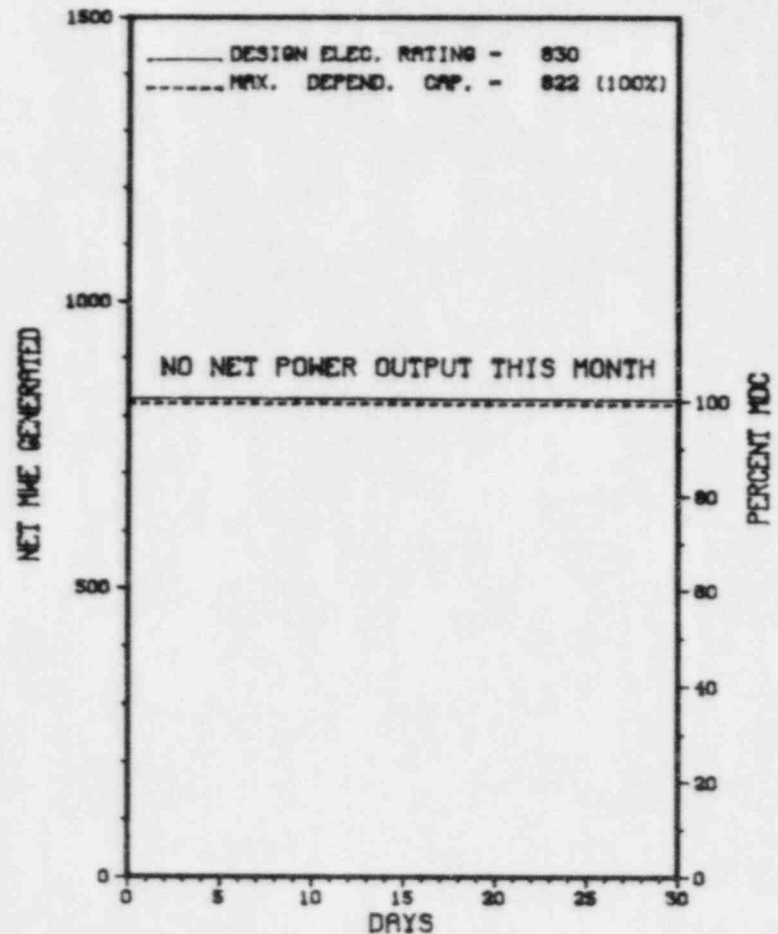
NONE

27. If Currently Shutdown Estimated Startup Date: 05/16/84

\*\*\*\*\*  
 \* ST LUCIE 1 \*  
 \*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* ST LUCIE 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	02/26/83	S	719.0	C	4		RC	FUELXX	UNIT #1 PREPARED TO RETURN TO POWER FOLLOWING REFUELING AND SCHEDULED MAINTENANCE. THE REACTOR WAS MADE CRITICAL DURING THE PERIOD, BUT THE UNIT WAS NOT PLACED ON LINE AND THE REACTOR WAS SUBSEQUENTLY SHUTDOWN AGAIN.

\*\*\*\*\* ST. LUCIE 1 PREPARED IN APRIL TO RETURN TO POWER FOLLOWING  
 \* SUMMARY \* REFUELING AND MAINTENANCE.  
 \*\*\*\*\*

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)

\*\*\*\*\*  
\* ST LUCIE 1 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 FEBRUARY 11 - MARCH 10 (84-08): THIS ROUTINE INSPECTION INVOLVED 101 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, PLANT OPERATIONS, IE BULLETINS, REFUELING OPERATIONS, FIRE BRIGADE RESPONSE, SEQUENCE OF EVENTS RECORDER, AND TMI ACTION ITEMS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 19-23 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 60 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; NON-LICENSED PERSONNEL TRAINING; LICENSED OPERATOR REQUALIFICATION TRAINING; DESIGN CHANGES; PROCUREMENT CONTROL; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT AND MATERIALS; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO MAINTAIN RECORDS, PARAGRAPH 6.A).

INSPECTION MARCH 11 - APRIL 10 (84-10): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 101 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, MAINTENANCE OBSERVATION, IE BULLETINS, ONSITE REVIEW COMMITTEE, OFFSITE REVIEW COMMITTEE, ONSITE ORGANIZATION AND ADMINISTRATION, DESIGN CHANGES, FIRE PROTECTION, REFUELING ACTIVITIES, FOLLOWUP ON TMI ACTION PLAN ITEMS AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE



1. Docket: 50-389 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>6,408.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>2,884.4</u>	<u>6,111.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>2,748.6</u>	<u>5,879.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,829,680</u>	<u>6,931,557</u>	<u>14,589,501</u>
18. Gross Elec Ener (MWH)	<u>612,700</u>	<u>2,328,280</u>	<u>4,871,500</u>
19. Net Elec Ener (MWH)	<u>580,586</u>	<u>2,201,054</u>	<u>4,598,640</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.7</u>	<u>91.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.7</u>	<u>91.7</u>
22. Unit Cap Factor (MDC Net)	<u>102.7</u>	<u>96.5</u>	<u>91.3</u>
23. Unit Cap Factor (DER Net)	<u>100.4</u>	<u>94.3</u>	<u>89.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>7.8</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):

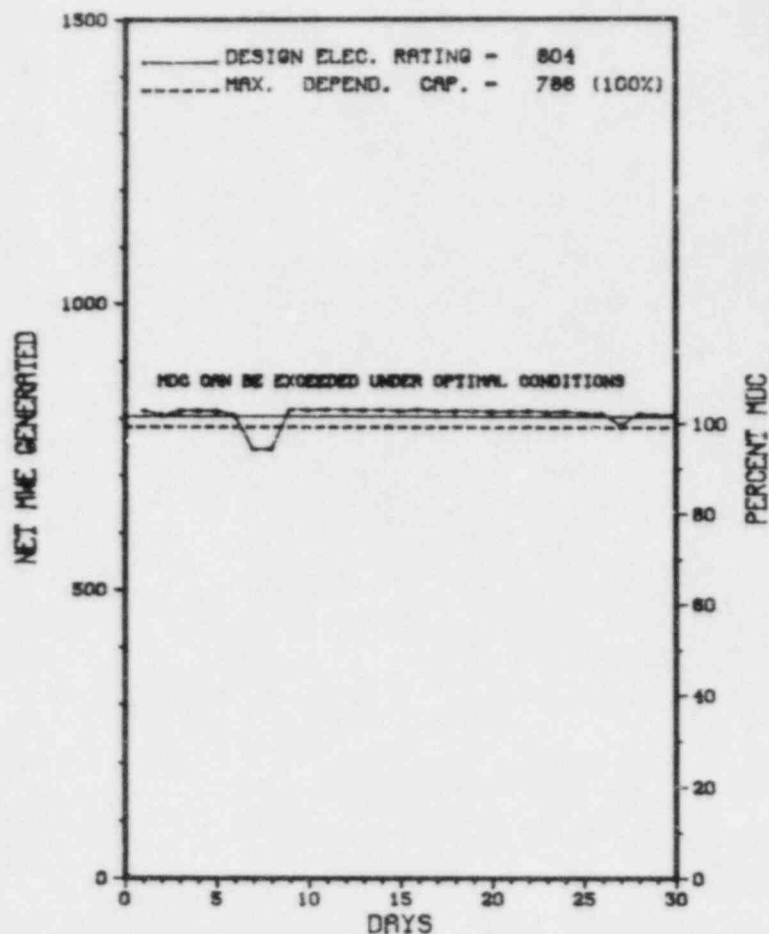
NONE

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

\*\*\*\*\*  
 \* ST LUCIE 2 \*  
 \*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### ST LUCIE 2



APRIL 1984

Report Period APR 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 ROUTINELY IN APRIL WITH NO SHUTDOWNS OR  
POWER 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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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...., NPF-16, 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 MARCH 11 - APRIL 10 (84-10): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, MAINTENANCE OBSERVATION, IE BULLETINS, ONSITE REVIEW COMMITTEE, OFFSITE REVIEW COMMITTEE, ONSITE ORGANIZATION AND ADMINISTRATION, DESIGN CHANGES, FIRE PROTECTION, REFUELING ACTIVITIES, FOLLOWUP ON TMI ACTION PLAN ITEMS AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 11 - MARCH 10 (84-11): THIS ROUTINE INSPECTION INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, PLANT OPERATIONS, IE BULLETINS, REFUELING OPERATIONS, FIRE BRIGADE RESPONSE, SEQUENCE OF EVENTS RECORDER, AND TMI ACTION ITEMS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 19-23 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 60 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; NON-LICENSED PERSONNEL TRAINING; LICENSED OPERATOR REQUALIFICATION TRAINING; DESIGN CHANGES; PROCUREMENT CONTROL; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT AND MATERIALS; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO MAINTAIN RECORDS, PARAGRAPH 6.A).

ENFORCEMENT SUMMARY

NONE



1. Docket: 50-395 OPERATING STATUS
2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0
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: \_\_\_\_\_

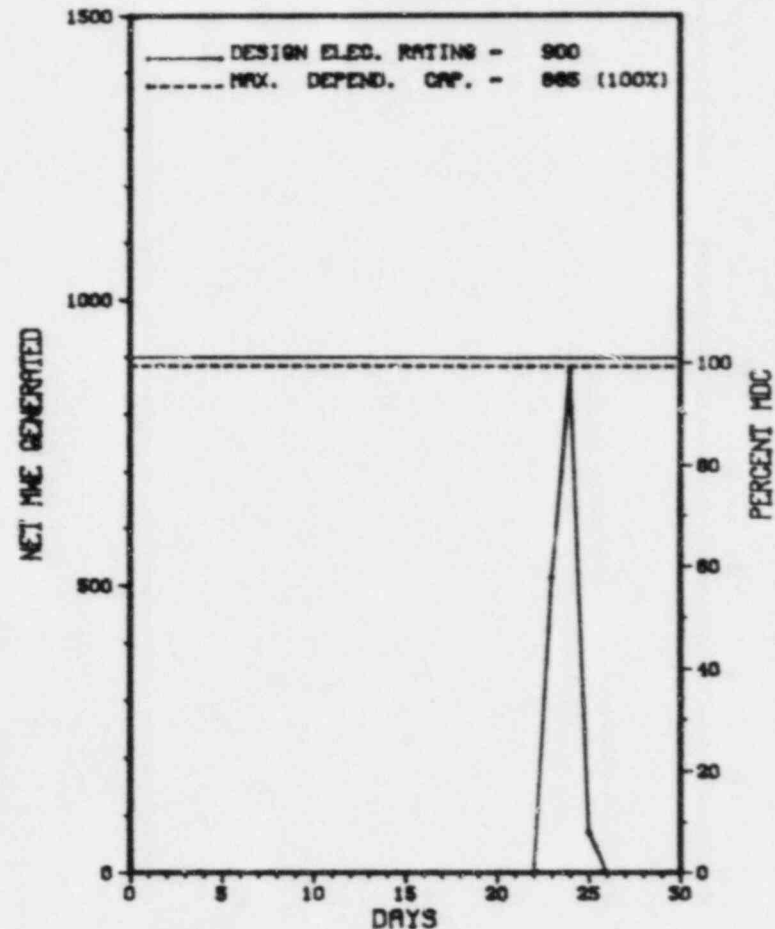
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>2,903.0</u>
13. Hours Reactor Critical	<u>102.2</u>	<u>2,012.5</u>	<u>2,012.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>53.3</u>	<u>1,929.0</u>	<u>1,929.0</u>
16. Unit Reserve Sntdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>119,028</u>	<u>5,242,015</u>	<u>5,242,015</u>
18. Gross Elec Ener (MWH)	<u>38,040</u>	<u>1,751,235</u>	<u>1,751,235</u>
19. Net Elec Ener (MWH)	<u>26,527</u>	<u>1,671,139</u>	<u>1,671,139</u>
20. Unit Service Factor	<u>7.4</u>	<u>66.4</u>	<u>66.4</u>
21. Unit Avail Factor	<u>7.4</u>	<u>66.4</u>	<u>66.4</u>
22. Unit Cap Factor (MDC Net)	<u>4.2</u>	<u>64.5</u>	<u>65.0</u>
23. Unit Cap Factor (DER Net)	<u>4.1</u>	<u>64.0</u>	<u>64.0</u>
24. Unit Forced Outage Rate	<u>72.5</u>	<u>10.9</u>	<u>10.9</u>
25. Forced Outage Hours	<u>140.2</u>	<u>236.0</u>	<u>236.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
REFUELING, SEPTEMBER 15, 1984, 60 DAYS.
27. If Currently Shutdown Estimated Startup Date: 05/03/84

\*\*\*\*\*  
 \* SUMMER 1 \*  
 \*\*\*\*\*  
 AVERAGE DAILY POWER LEVEL (MWe) PLOT

### SUMMER 1



APRIL 1984



Report Period APR 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	525.5	B	4				SPRING MAINTENANCE OUTAGE CONTINUED FROM PREVIOUS MONTH.
5	04/25/84	F	140.2	A	3				TURBINE TRIP FROM THRUST BEARING WEAR DETECTOR.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 SUMMER 1 COMPLETED SPRING MAINTENANCE IN APRIL AND EXPERIENCED AN ADDITIONAL SHUTDOWN 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-0151)
	F-Admin		
	G-Oper Error		
	H-Other		

\*\*\*\*\*  
\* SUMMER 1 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 MARCH 20-22 (84-07): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 144 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 1-31 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 160 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, PLANT TOUR, PLANT OPERATIONS REVIEW, TECHNICAL SPECIFICATION COMPLIANCE, PHYSICAL PROTECTION, MAINTENANCE AND SURVEILLANCE REVIEW, FIRE PROTECTION PROGRAM IMPLEMENTATION REVIEW, NONROUTINE EVENT REPORT, BULLETIN RESPONSES AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT FIRE PROTECTION PROCEDURES, PARAGRAPH 11).

INSPECTION MARCH 26-30 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 30 INSPECTOR-HOURS ON SITE IN THE AREAS OF ORGANIZATION AND MANAGEMENT CONTROLS; CONTROL OF RADIOACTIVE MATERIALS AND EQUIPMENT; OCCUPATIONAL EXPOSURES DURING EXTENDED OUTAGE; ALARA; SOLID WASTES AND TRANSPORTATION. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 9-13 (84-10): THIS INSPECTION INVOLVED 31 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THREE INSPECTOR-HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE INSPECTION INCLUDED: SECURITY PLAN AND IMPLEMENTING PROCEDURES, SECURITY ORGANIZATION - PERSONNEL, TESTING AND MAINTENANCE, PHYSICAL BARRIERS - PROTECTED/VITAL AREAS, SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL - PACKAGES/VEHICLES, DETECTION AIDS - PROTECTED/VITAL AREAS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 11 AREAS EXAMINED DURING THE INSPECTION.



1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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):           

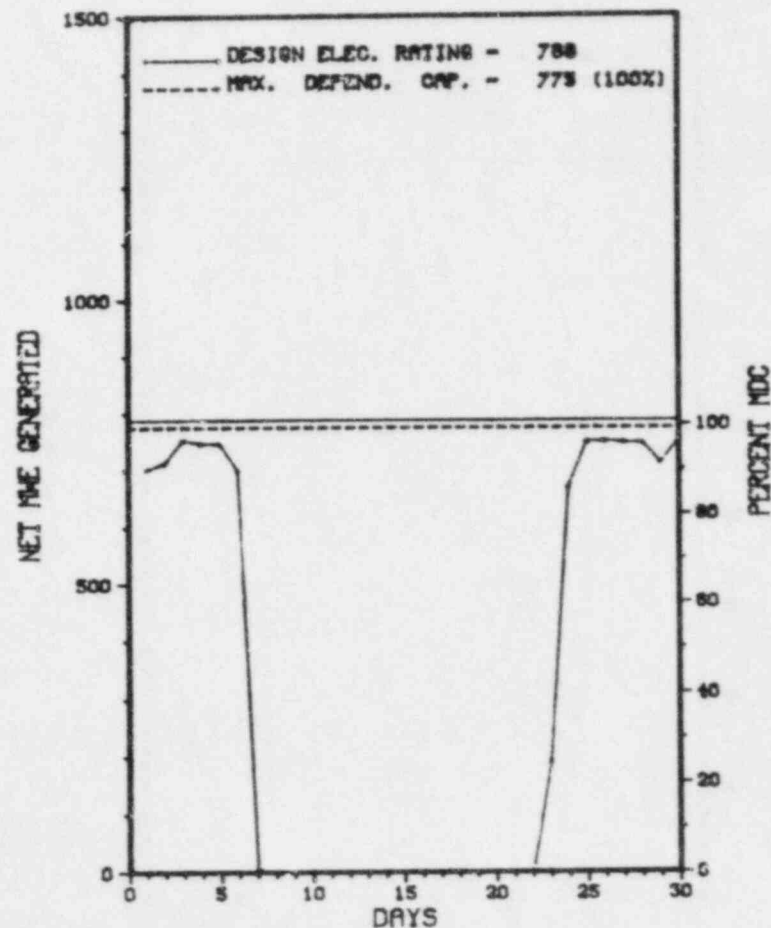
11. Reasons for Restrictions, If Any:             
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>99,551.0</u>
13. Hours Reactor Critical	<u>337.5</u>	<u>2,156.2</u>	<u>61,255.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>9.3</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>327.8</u>	<u>2,108.8</u>	<u>59,975.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>754,142</u>	<u>4,967,477</u>	<u>139,368,090</u>
18. Gross Elec Ener (MWH)	<u>245,230</u>	<u>1,604,670</u>	<u>44,924,513</u>
19. Net Elec Ener (MWH)	<u>232,807</u>	<u>1,524,174</u>	<u>42,601,910</u>
20. Unit Service Factor	<u>45.6</u>	<u>72.6</u>	<u>60.2</u>
21. Unit Avail Factor	<u>45.6</u>	<u>72.6</u>	<u>64.0</u>
22. Unit Cap Factor (MDC Net)	<u>41.8</u>	<u>67.7</u>	<u>55.2</u>
23. Unit Cap Factor (DER Net)	<u>41.1</u>	<u>66.6</u>	<u>54.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.9</u>	<u>21.0</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): <u>SNUBBER INSPECTION: 5-26-84; 10 DAYS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

\*\*\*\*\*  
\* SURRY 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* SURRY 1 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-5	04/07/84	S	391.2	D	1	84-008		PLANT WAS SHUTDOWN FOR SCHEDULED SNUBBER OUTAGE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
SURRY 1 WAS SHUT DOWN FROM APRIL 7 TO APRIL 23 FOR A SNUBBER 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)

\*\*\*\*\*  
\* SURRY 1 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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...JULY 1, 1972  
DATE ELEC ENER 1ST GENER...JULY 4, 1972  
DATE COMMERCIAL OPERATE...DECEMBER 22, 1972  
CONDEN SR COOLING METHOD...ONCE THRU  
CONDENSE 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...DPR-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 APRIL 2-6 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREA OF SNUBBER PROGRAM REVIEW. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 10CFR50, APPENDIX B, CRITERION XVI, THE LICENSEE'S MEASURES FOR PROMPT CORRECTION OF CONDITIONS ADVERSE TO QUALITY WERE INADEQUATE IN THAT KNOWN DEFICIENCIES IN ISI PROCEDURES AND KNOWN FAILURES TO SUPPLY REQUIRED ISI REPORTS TO THE NRC WERE NOT PROMPTLY CORRECTED. CONTRARY TO THE REQUIREMENTS OF 10CFR50, APPENDIX B, CRITERION XVI, THE LICENSEE'S MEASURES FOR PROMPT CORRECTION OF CONDITIONS ADVERSE TO QUALITY WERE INADEQUATE IN THAT KNOWN DEFICIENCIES IN ISI PROCEDURES AND KNOWN FAILURES TO SUPPLY REQUIRED ISI REPORTS TO THE NRC WERE NOT PROMPTLY CORRECTED.  
(8405 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:



1. Docket: 50-281                      O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>96,431.0</u>
13. Hours Reactor Critical	<u>377.2</u>	<u>2,163.4</u>	<u>60,734.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>23.8</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>337.8</u>	<u>2,114.9</u>	<u>59,690.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>644,864</u>	<u>4,912,297</u>	<u>139,628,169</u>
18. Gross Elec Ener (MWH)	<u>203,015</u>	<u>1,571,485</u>	<u>45,361,344</u>
19. Net Elec Ener (MWH)	<u>190,289</u>	<u>1,488,749</u>	<u>42,995,809</u>
20. Unit Service Factor	<u>47.0</u>	<u>72.9</u>	<u>61.9</u>
21. Unit Avail Factor	<u>47.0</u>	<u>72.9</u>	<u>61.9</u>
22. Unit Cap Factor (MDC Net)	<u>34.1</u>	<u>66.2</u>	<u>57.5</u>
23. Unit Cap Factor (DER Net)	<u>33.6</u>	<u>65.1</u>	<u>56.6</u>
24. Unit Forced Outage Rate	<u>6.8</u>	<u>16.9</u>	<u>14.3</u>
25. Forced Outage Hours	<u>24.7</u>	<u>431.6</u>	<u>7,258.2</u>

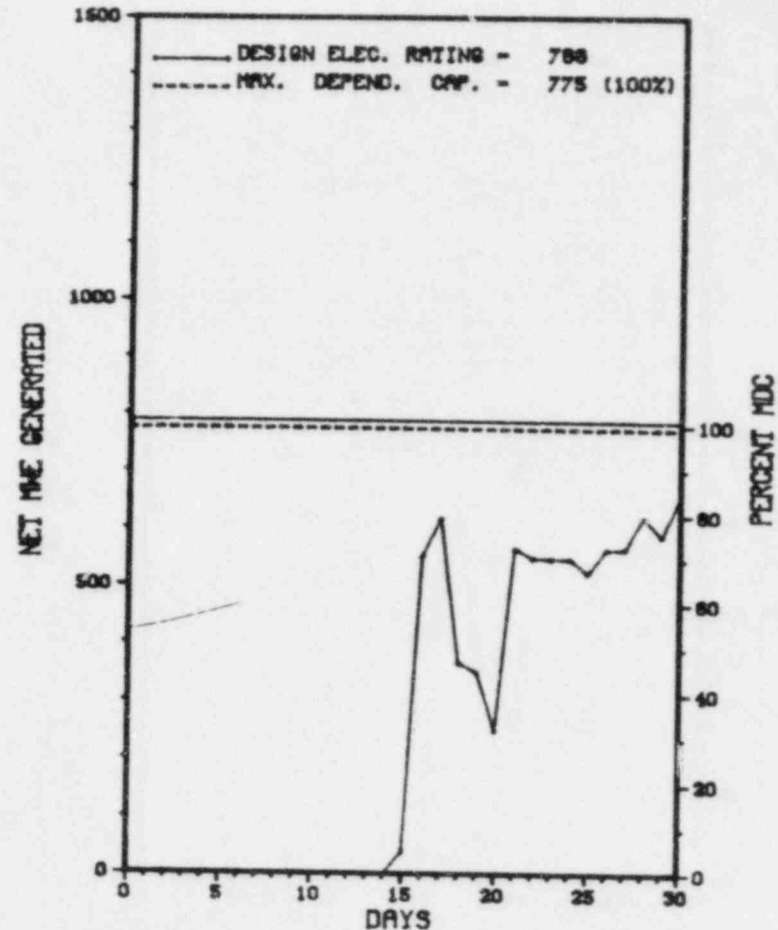
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
FALL MAINTENANCE: 11/9/84; 10 DAYS.

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

\*\*\*\*\*  
\*                      SURRY 2                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



APRIL 1984



Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* SURRY 2 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-12	04/15/84	S	356.5	A	3				CONTINUATION OF SHUBBER OUTAGE WHICH COMMENCED ON 3/16/84.
84-13	04/18/84	F	6.8	A	3	84-009			REACTOR TRIP CAUSED BY A 6A FEEDWATER HIGH-HIGH LEVEL TURBINE TRIP. HEATER WAS REMOVED FROM SERVICE AND TWO TUBE LEAKS WERE FOUND.
84-14	04/19/84	S	0.0	H	5				POWER WAS REDUCED FROM 82% (660 MW'S TO 61% (435 MW'S) TO PUT 6A FEEDWATER HEATER BACK IN SERVICE.
84-15	04/19/84	F	17.9	A	3				REACTOR TRIP CAUSED BY A 6A FEEDWATER HIGH-HIGH LEVEL TURBINE TRIP. REMOVED DEBRIS FROM 6A LOOP SEAL.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 SURRY 2 CONTINUED A SHUBBER OUTAGE IN APRIL AND EXPERIENCED 2 ADDITIONAL SHORT SHUTDOWNS AS NOTED 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 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 APRIL 2-6 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREA OF SNUBBER PROGRAM REVIEW. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):



1. Docket: 50-387 OPERATING STATUS  
 2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0  
 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>719.0</u>	<u>2,903.0</u>	<u>7,872.0</u>
13. Hours Reactor Critical	<u>719.0</u>	<u>1,153.0</u>	<u>4,998.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>156.7</u>
15. Hrs Generator On-Line	<u>719.0</u>	<u>1,075.8</u>	<u>4,844.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,255,077</u>	<u>3,059,936</u>	<u>14,309,707</u>
18. Gross Elec Ener (MWH)	<u>745,490</u>	<u>998,240</u>	<u>4,664,790</u>
19. Net Elec Ener (MWH)	<u>719,796</u>	<u>960,716</u>	<u>4,497,089</u>
20. Unit Service Factor	<u>100.0</u>	<u>37.1</u>	<u>61.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>37.1</u>	<u>61.5</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>32.1</u>	<u>55.4</u>
23. Unit Cap Factor (DER Net)	<u>94.0</u>	<u>31.1</u>	<u>53.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>34.7</u>	<u>18.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>571.7</u>	<u>1,080.2</u>

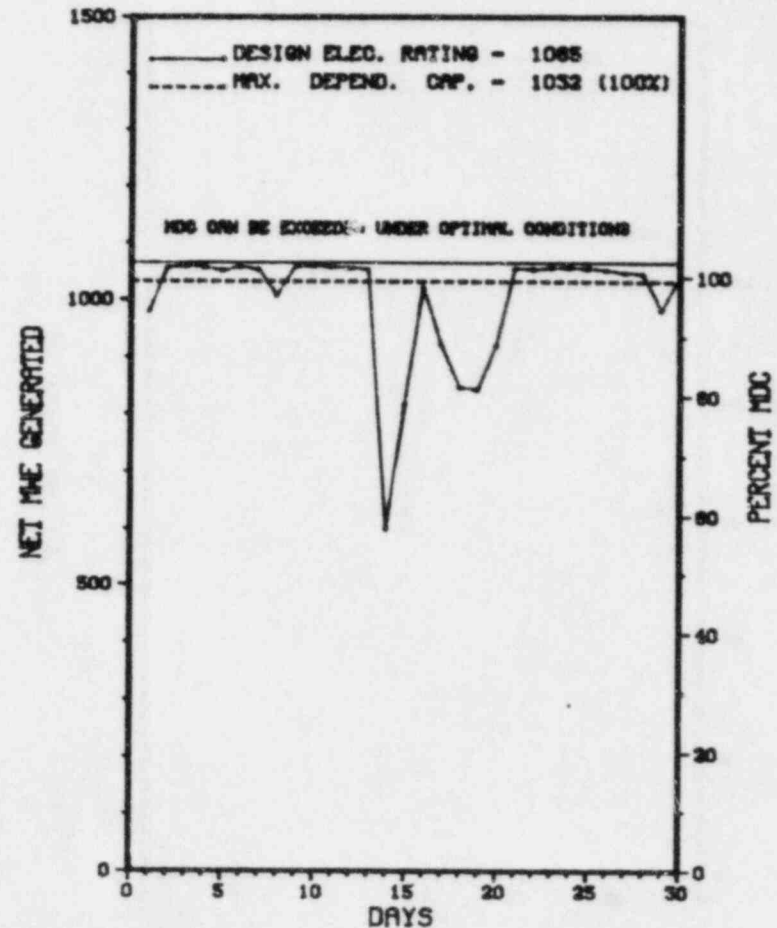
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
 NONE

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

\*\*\*\*\*  
 \* SUSQUEHANNA 1 \*  
 \*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### SUSQUEHANNA 1



APRIL 1984

Report Period APR .984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* SUSQUEHANNA 1 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/13/84	S	0.0	H	5		IC	CONROD	A POWER REDUCTION FROM 100% TO 60% WAS INITIALIZED TO CHANGE THE CONTROL ROD PATTERN. NO CORRECTIVE ACTION IS REQUIRED FOR THIS POWER REDUCTION. IT WAS A PLANNED EVENT.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
SUSQUEHANNA 1 OPERATED ROUTINELY IN APRIL WITH NO SHUTDOWNS REPORTED.

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		

\*\*\*\*\*  
\* SUSQUEHANNA 1 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 APR 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.			

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1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>84,696.0</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>36.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>36.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>36.0*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>34.4</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>59.7</u>
25. Forced Outage Hours	<u>719.0</u>	<u>2,903.0</u>	<u>46,028.5</u>

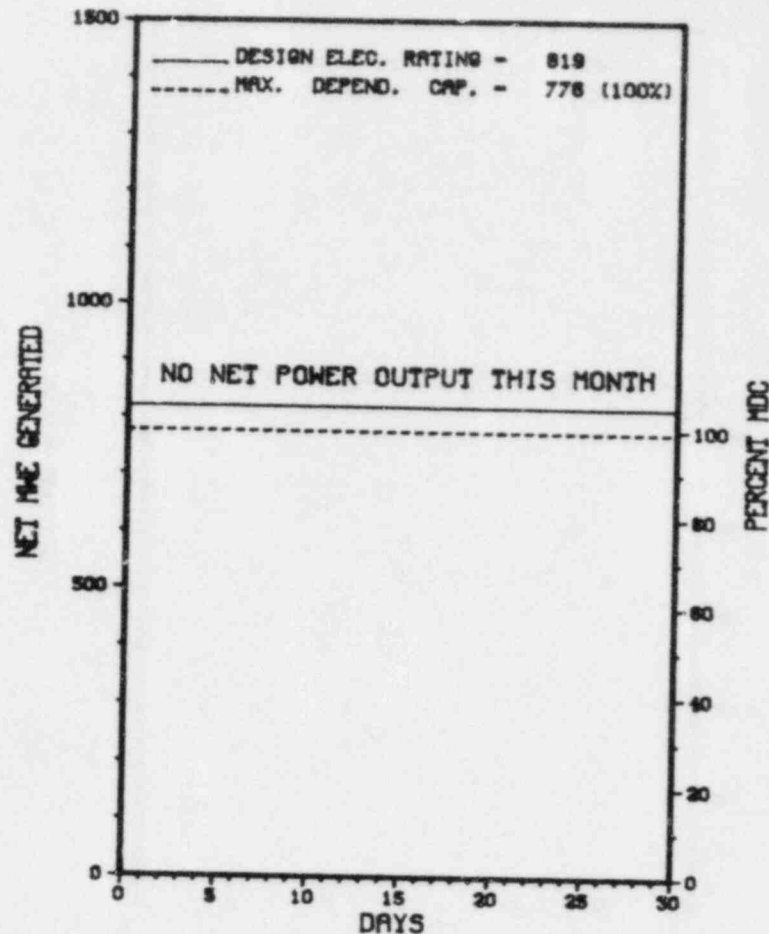
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

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

\*\*\*\*\*  
\* THREE MILE ISLAND 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



APRIL 1984

\* Item calculated with a Weighted Average



Report Period APR 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	719.0	D	4		ZZ	ZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 THREE MILE ISLAND 1 REMAINS SHUTDOWN 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)
	F-Admin		
	G-Oper Error		
	H-Other		

\*\*\*\*\*  
\* THREE MILE ISLAND 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 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 APR 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 )

\*\*\*\*\*  
\*            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: 04/01/84    Outage + On-line Hrs: 719.0

3. Utility Contact: W. O. NICHOLSON (503) 556-3713 X409

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):

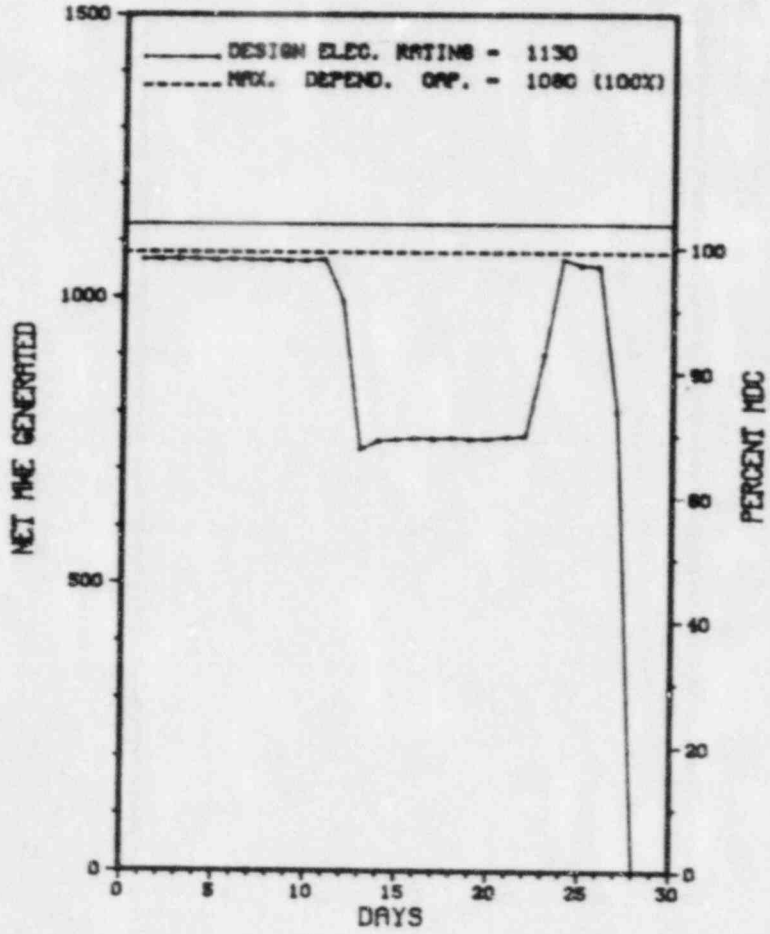
11. Reasons for Restrictions, If Any:

NONE

\*\*\*\*\*  
\*                      TROJAN                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



APRIL 1984

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>719.0</u>	<u>2,903.0</u>	<u>67,175.0</u>
13. Hours Reactor Critical	<u>642.5</u>	<u>2,793.6</u>	<u>41,643.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>642.5</u>	<u>2,776.2</u>	<u>40,330.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>1,948,493</u>	<u>9,111,746</u>	<u>127,675,599</u>
18. Gross Elec Ener (MWH)	<u>628,728</u>	<u>2,940,315</u>	<u>41,515,806</u>
19. Net Elec Ener (MWH)	<u>602,404</u>	<u>2,820,758</u>	<u>39,234,784</u>
20. Unit Service Factor	<u>89.4</u>	<u>95.6</u>	<u>60.0</u>
21. Unit Avail Factor	<u>89.4</u>	<u>95.6</u>	<u>64.9</u>
22. Unit Cap Factor (MDC Net)	<u>77.6</u>	<u>90.0</u>	<u>54.1</u>
23. Unit Cap Factor (DER Net)	<u>74.1</u>	<u>86.0</u>	<u>51.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>17.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>50.3</u>	<u>8,352.1</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 07/17/84

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* TROJAN \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-06	04/13/84	S	0.0	F	5		ZZ	ZZZZZZ	POWER REDUCED TO 70% DUE TO ABUNDANT POWER AVAILABLE ON THE NORTHWEST POWER GRID.
84-07	04/27/84	S	76.5	B	3	84-06	TA	ZZZZZZ	THE REACTOR TRIPPED ON 'C' STEAM GENERATOR LOW-LOW LEVEL DURING TEMPORARY PLANT TEST TPS-69, "TURBINE RUNBACK ON LOSS OF MAIN FEED PUMP". THIS TEST WAS RUN TO VERIFY THE ADEQUACY OF A RECENT DESIGN CHANGE. THE TURBINE RUNBACK WAS NOT FAST ENOUGH TO PREVENT A REACTOR TRIP AFTER A MAIN FEED PUMP WAS MANUALLY TRIPPED.

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 TROJAN EXPERIENCED 1 SHUTDOWN IN APRIL ON A TURBINE TRIP 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)

\*\*\*\*\*  
\* TROJAN \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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  
ARCHITECT/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 DURING FEBRUARY 6-10, MARCH 19-23 AND 27-30, 1984 (REPORT NO. 50-344/84-03) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTIONS OF PLANT OPERATIONS, INCLUDING PLANT MODIFICATIONS AND DESIGN CONTROL; LICENSEE ACTION ON IE BULLETINS AND INFORMATION NOTICES; LICENSEE ACTION ON MAIN STEAM CHECK VALVE FAILURES TO CLOSE; DESIGN RELATED CIRCUMSTANCES SURROUNDING A SAFETY INJECTION ACTUATION ON FEBRUARY 18, 1984; LICENSEE ACTION REGARDING THE IMPACT OF INCREASED FUEL BURNUP ON THE FUEL HANDLING ACCIDENT ASSUMPTIONS; AND LICENSEE ACTION ON A DESIGN CHANGE TO REVERSE THE REACTOR INTERNALS BYPASS FLOW DIRECTION. THE INSPECTION INVOLVED 120 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS 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 FEBRUARY 13 - MARCH 30, 1984 (REPORT NO. 50-344/84-08) AREAS INSPECTED: ROUTINE INSPECTIONS OF PLANT OPERATIONS, SECURITY, SURVEILLANCE TESTING, MAINTENANCE, FOLLOWUP ON LICENSEE EVENT REPORTS AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 237 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: ONE VIOLATION WAS IDENTIFIED ASSOCIATED WITH A FAILURE TO MAKE A SIGNIFICANT EVENT NOTIFICATION TO THE NRC OPERATIONS CENTER WITHIN THE PRESCRIBED TIME INTERVAL.



XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
\* TROJAN \*  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

Report Period APR 1984

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-01	01-18-82	02-12-82	NUMBER TWO EDG WAS INOPERABLE UNKNOWNINGLY FOR 34 DAYS
84-03	02-18-84	03-16-84	INADVERTENT SI FROM ACCIDENTAL SHORTCIRCUITING 120-VOLT INSTRUMENT BUSES
84-04	03-18-84	03-29-84	REACTOR TRIP ON STEAM GENERATOR LOW-LOW LEVEL DUE TO MAIN FW PUMP TRIP
84-05	03-20-84	04-18-84	LOSS OF ESF AUXILIARY FEEDWATER PUMP AUTO START CAPABILITIES



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1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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 Reason:  
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>719.0</u>	<u>2,903.0</u>	<u>99,968.6</u>
13. Hours Reactor Critical	<u>607.3</u>	<u>2,353.6</u>	<u>70,378.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>604.5</u>	<u>2,273.0</u>	<u>68,195.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,303,305</u>	<u>4,812,354</u>	<u>140,300,946</u>
18. Gross Elec Ener (MWH)	<u>422,985</u>	<u>1,557,160</u>	<u>44,767,725</u>
19. Net Elec Ener (MWH)	<u>401,868</u>	<u>1,472,420</u>	<u>42,385,437</u>
20. Unit Service Factor	<u>84.1</u>	<u>78.3</u>	<u>68.2</u>
21. Unit Avail Factor	<u>84.1</u>	<u>78.3</u>	<u>68.3</u>
22. Unit Cap Factor (MDC Net)	<u>83.9</u>	<u>76.2</u>	<u>65.5*</u>
23. Unit Cap Factor (DER Net)	<u>80.7</u>	<u>73.2</u>	<u>61.2</u>
24. Unit Forced Outage Rate	<u>1.3</u>	<u>13.3</u>	<u>5.6</u>
25. Forced Outage Hours	<u>7.7</u>	<u>350.1</u>	<u>3,530.2</u>

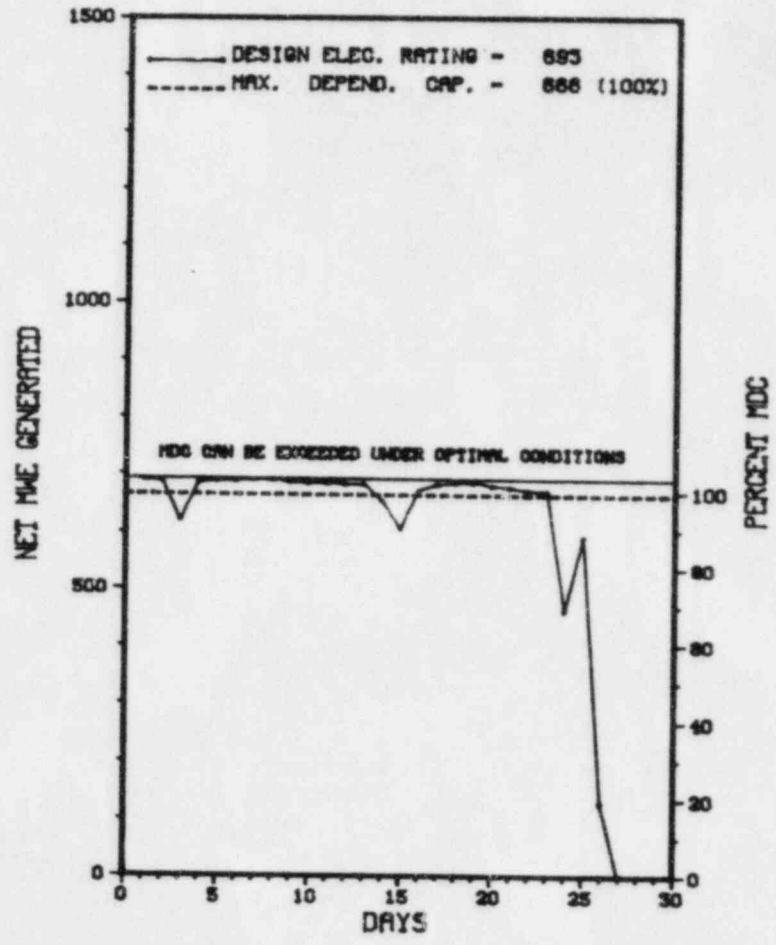
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 05/13/84

\*\*\*\*\*  
\* TURKEY POINT 3 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* TURKEY POINT 3 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	04/24/84	F	7.7	A	3		1B	GENERA	REACTOR TRIPPED ON HIGH PRESSURE FOLLOWING RUIBACK CAUSED BY NONLICENSED OPERATOR ERROR ON REMOVAL OF INVERTOR FROM SERVICE.
12	04/26/84	S	106.8	B	1		ZZ	ZZZZZZ	UNIT TAKEN OFF LINE FOR UNIT 4 SAFEGUARDS TEST, SNUBBER INSPECTION AND STEAM GENERATOR FEEDWATER NOZZLE INSPECTIONS

\*\*\*\*\*  
 \* SUMMARY \*  
 \*\*\*\*\*  
 TURKEY POINT 3 OPERATED ROUTINELY UNTIL APRIL 26 WHEN IT WAS SHUT DOWN FOR VARIOUS TESTS AND INSPECTIONS.

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		

\*\*\*\*\*  
\* TURKEY POINT 3 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS OF RADIATION PROTECTION AND CHEMISTRY STAFF, ORGANIZATION AND MANAGEMENT CONTROLS, EXTERNAL RADIATION EXPOSURE CONTROL, INTERNAL RADIATION EXPOSURE CONTROL, IMPLEMENTATION OF 10 CFR PART 61 AND 10 CFR 20.311 CHANGES AND FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS AND INSPECTOR IDENTIFIED ITEMS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO APPARENT VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO ADHERE TO TECHNICAL SPECIFICATIONS REQUIREMENTS PERTAINING TO PROCEDURES AND FAILURE OF CHEMISTRY TECHNICIANS IN RESPONSIBLE POSITIONS TO MEET THE MINIMUM EXPERIENCE REQUIREMENTS).

INSPECTION APRIL 9-12 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF GENERAL INSPECTIONS, INSERVICE INSPECTION (ISI), LICENSING ACTION, IE BULLETIN (IEB) AND INSPECTOR FOLLOWUP ITEMS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION - "FAILURE TO FOLLOW MAINTENANCE PROCEDURE" - PARAGRAPH 8C).

ENFORCEMENT SUMMARY

VIOLATION OF TECHNICAL SPECIFICATION 6.8.1 - PCM TURNS.



1. Docket: 50-251                      O P E R A T I N G   S T A T U S
2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0
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>719.0</u>	<u>2,903.0</u>	<u>93,696.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,316.6</u>	<u>65,955.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,269.3</u>	<u>63,737.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>2,761,901</u>	<u>134,517,642</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>898,385</u>	<u>42,819,747</u>
19. Net Elec Ener (MWH)	<u>-1,003</u>	<u>847,16</u>	<u>40,554,277</u>
20. Unit Service Factor	<u>.0</u>	<u>43.7</u>	<u>68.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>43.7</u>	<u>68.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>43.8</u>	<u>66.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>42.1</u>	<u>62.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>21.1</u>	<u>4.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>340.4</u>	<u>2,882.2</u>

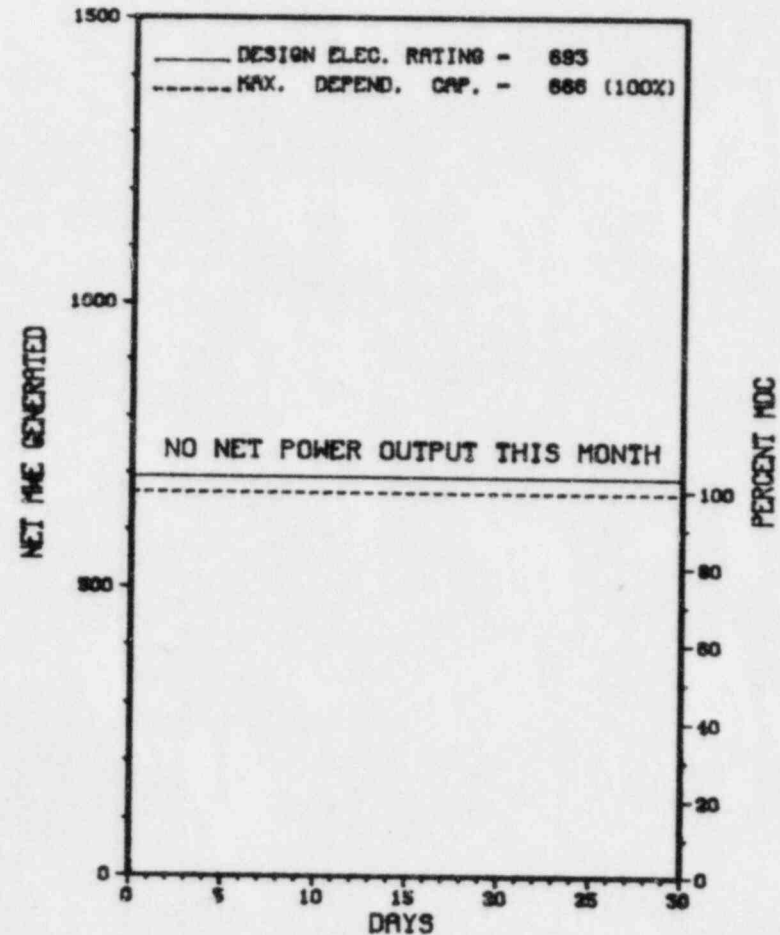
25. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 05/22/84

\*\*\*\*\*  
\*                      TURKEY POINT 4                      \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### TURKEY POINT 4



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
\* TURKEY POINT 4 \*  
\*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
07	03/08/84	S	719.0	C	4		RC	FUELXX	UNIT #4 REMAINED OFF LINE FOR REFUELING AND SCHEDULED MAINTENANCE.

\*\*\*\*\*  
\* SUMMARY \*  
\*\*\*\*\*  
TURKEY POINT 4 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)

\*\*\*\*\*  
\* TURKEY POINT 4 \*  
\*\*\*\*\*

FACILITY DATA

Report Period APR 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 MARCH 19-23 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS OF RADIATION PROTECTION AND CHEMISTRY STAFF, ORGANIZATION AND MANAGEMENT CONTROLS, EXTERNAL RADIATION EXPOSURE CONTROL, INTERNAL RADIATION EXPOSURE CONTROL, IMPLEMENTATION OF 10 CFR PART 61 AND 10 CFR 20.311 CHANGES AND FOLLOWUP ON PREVIOUS ENFORCEMENT MATTERS AND INSPECTOR IDENTIFIED ITEMS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO APPARENT VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO ADHERE TO TECHNICAL SPECIFICATIONS REQUIREMENTS PERTAINING TO PROCEDURES AND FAILURE OF CHEMISTRY TECHNICIANS IN RESPONSIBLE POSITIONS TO MEET THE MINIMUM EXPERIENCE REQUIREMENTS).

INSPECTION APRIL 9-12 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF GENERAL INSPECTIONS, INSERVICE INSPECTION (ISI), LICENSING ACTION, IE BULLETIN (IEB) AND INSPECTOR FOLLOWUP ITEMS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (VIOLATION - "FAILURE TO FOLLOW MAINTENANCE PROCEDURE" - PARAGRAPH 8C).

ENFORCEMENT SUMMARY

VIOLATION OF TECHNICAL SPECIFICATION 6.8.1 - PCM TURNS.





1. Docket: 50-271 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>101,761.8</u>
13. Hours Reactor Critical	<u>706.1</u>	<u>2,782.7</u>	<u>22,481.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>701.7</u>	<u>2,752.4</u>	<u>80,244.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,061,021</u>	<u>4,246,283</u>	<u>116,406,955</u>
18. Gross Elec Ener (MWH)	<u>360,710</u>	<u>1,442,688</u>	<u>38,735,766</u>
19. Net Elec Ener (MWH)	<u>345,774</u>	<u>1,384,243</u>	<u>36,749,259</u>
20. Unit Service Factor	<u>97.6</u>	<u>94.8</u>	<u>78.9</u>
21. Unit Avail Factor	<u>97.6</u>	<u>94.8</u>	<u>78.9</u>
22. Unit Cap Factor (MDC Net)	<u>95.4</u>	<u>94.6</u>	<u>71.7</u>
23. Unit Cap Factor (DER Net)	<u>93.6</u>	<u>92.8</u>	<u>70.3</u>
24. Unit Forced Outage Rate	<u>2.4</u>	<u>5.2</u>	<u>7.3</u>
25. Forced Outage Hours	<u>17.3</u>	<u>150.6</u>	<u>5,041.8</u>

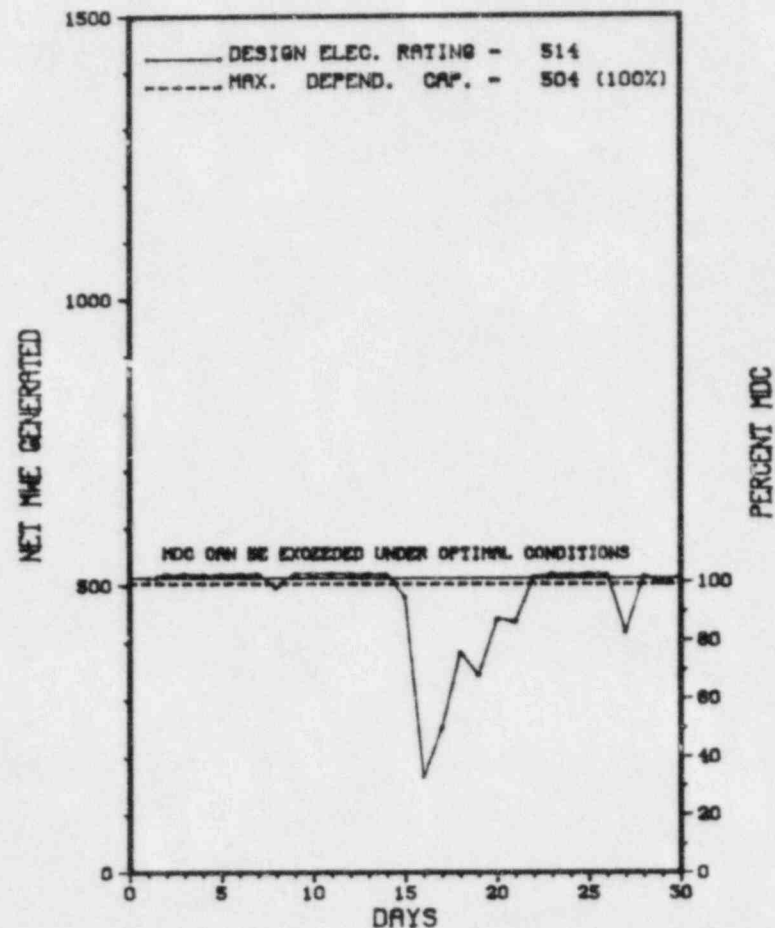
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):  
REFUELING AND MAINTENANCE - 6/16/84 - 8 WEEKS.

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

\*\*\*\*\*  
\* VERMONT YANKEE 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### VERMONT YANKEE 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* VERMONT YANKEE 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Act., on to Prevent Recurrence
84-06	04/15/84	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT AND OTHER SURVEILLANCE.
84-07	04/16/84	F	17.3	A	3	84-04	CD	VALVOP	DURING TESTING AN INBOARD MSIV WENT FULLY SHUT CAUSING A HIGH STEAM FLOW SIGNAL AND A GROUP I ISOLATION WHICH GENERATED THE SCRAM. CAUSED BY A STUCK SPOOL IN THE ACTUATOR TEST PILOT VALVE. SPOGL VALVE ASSEMBLY CONTAINED DIRT. THE TEST PILOT VALVE WAS REPLACED. SEE LER 84-04.
84-08	04/20/84	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN EXCHANGE AND EQUIPMENT SURVEILLANCE.

\*\*\*\*\* VERMONT YANKEE OPERATED ROUTINELY DURING APRIL.  
 \* 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)

\*\*\*\*\*  
\* VERMONT YANKEE 1 \*  
\*\*\*\*\*

F A C I L I T Y   D A T A

Report Period APR 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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  
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

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, LICENSEE EMPLOYEES PERFORMING INSPECTION ACTIVITIES AFFECTING QUALITY HAVE NOT BEEN TRAINED IN THE LICENSEE'S TRANSPORTATION PROCEDURES OR 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 V VIOLATION. (SUPPLEMENT V)  
(8402 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period APR 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 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>205,604.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>1,154,123</u>	<u>86,037,717</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>355,301</u>	<u>26,078,167</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>333,288</u>	<u>24,401,677</u>
20. Unit Service Factor	<u>.0</u>	<u>68.0</u>	<u>77.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>68.0</u>	<u>77.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>68.6</u>	<u>73.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>65.6</u>	<u>69.7*</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):

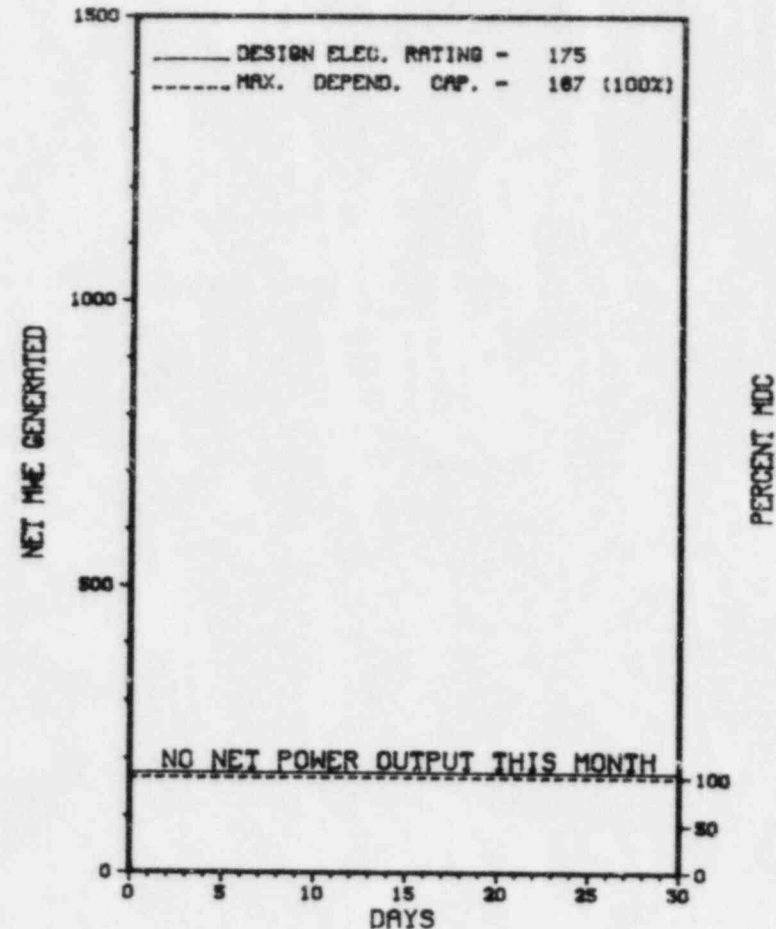
NONE

27. If Currently Shutdown Estimated Startup Date: 06/02/84

\*\*\*\*\*  
\* YANKEE-ROWE 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### YANKEE-ROWE 1



APRIL 1984

\* Item calculated with a Weighted Average

Report Period APR 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	719.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE CONTINUES.

\*\*\*\*\* YANKEE ROWE REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.  
\* 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)





Report Period APR 1984

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

\*\*\*\*\*  
\*                   YANKEE-ROWE 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: 50-295 OPERATING STATUS

2. Reporting Period: 04/01/84 Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>90,575.0</u>
13. Hours Reactor Critical	<u>676.7</u>	<u>1,941.4</u>	<u>64,017.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>668.6</u>	<u>1,826.1</u>	<u>62,294.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,109,003</u>	<u>5,471,079</u>	<u>175,352,562</u>
18. Gross Elec Ener (MWH)	<u>694,516</u>	<u>1,793,820</u>	<u>56,513,699</u>
19. Net Elec Ener (MWH)	<u>669,043</u>	<u>1,719,253</u>	<u>53,622,558</u>
20. Unit Service Factor	<u>93.0</u>	<u>62.9</u>	<u>68.8</u>
21. Unit Avail Factor	<u>93.0</u>	<u>62.9</u>	<u>68.8</u>
22. Unit Cap Factor (MDC Net)	<u>89.5</u>	<u>56.9</u>	<u>56.9</u>
23. Unit Cap Factor (DER Net)	<u>89.5</u>	<u>56.9</u>	<u>56.9</u>
24. Unit Forced Outage Rate	<u>7.0</u>	<u>24.9</u>	<u>13.6</u>
25. Forced Outage Hours	<u>50.4</u>	<u>604.4</u>	<u>9,216.4</u>

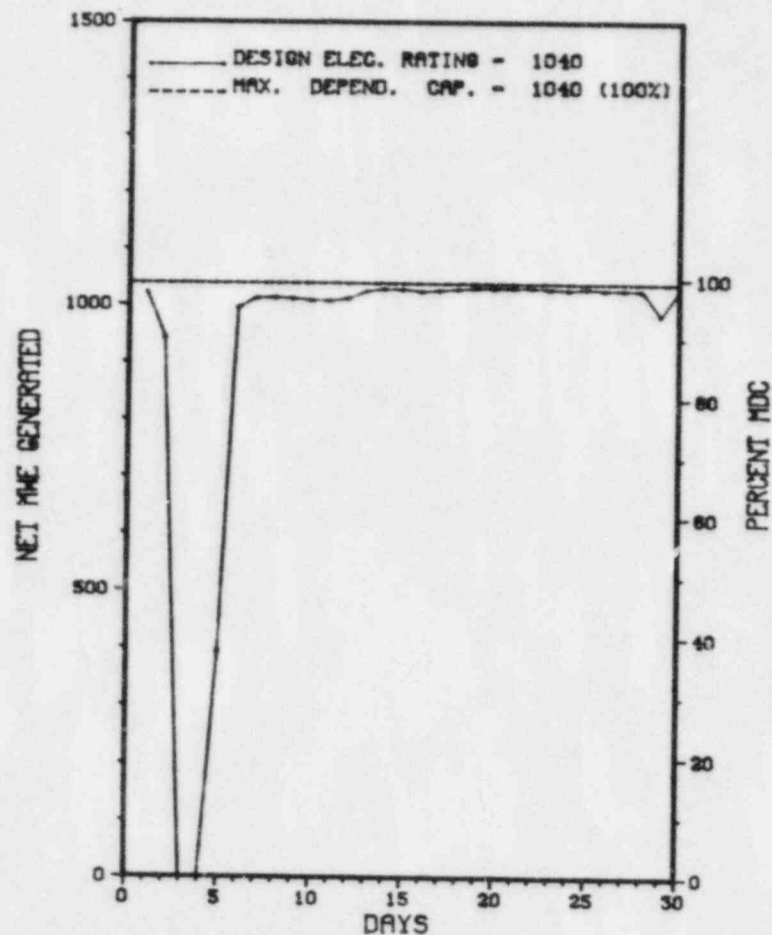
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

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

\*\*\*\*\*  
\* ZION 1 \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



APRIL 1984

Report Period APR 1984

UNIT SHUTDOWNS / REDUCTIONS

\*\*\*\*\*  
 \* ZION 1 \*  
 \*\*\*\*\*

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	04/02/84	F	18.8	A	3	84-012	RP	VALVEX	REACTOR TRIP "A" STEAM GENERATOR LOW-LOW LEVEL DUE TO GOVERNOR VALVE GOING SHUT.
8	04/03/84	F	31.6	B	4	84-011	ZZ	ZZZZZZ	REACTOR TRIP SR N32 HIGH FLUX TRIP DURING TESTING.

\*\*\*\*\* ZION 1 EXPERIENCED 2 REACTOR TRIPS IN APRIL AS NOTED ABOVE.  
 \* SUMMARY \*  
 \*\*\*\*\*

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
	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 APR 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 FEBRUARY 10 - MARCH 20, (84-02): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATION WITH ONE WIDE RANGE RCS PRESSURE INDICATION INOPERABLE; INOPERABLE SNUBBER; ALLEGATION FOLLOWUP; PREPARATION FOR UNIT 2 REFUELING; STARTUP TESTING - UNIT 1 REFUELING; UNIT 1 CILRT; UNIT 2 CONTAINMENT VENTED TO AUXILIARY BUILDING THROUGH MISPOSITIONED VALVE; OPERATIONAL SAFETY AND ESF SYSTEM WALKDOWN; MAINTENANCE; SURVEILLANCE; AND LER FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 217 HOURS BY TWO NRC INSPECTORS INCLUDING 55 HOURS ONSITE DURING OFF-SHIFTS. OF THE 12 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO:" "...1. NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OTHER SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY." (A) GOP-1, "PLANT HEATUP," STEP 35 ("RETURNING SAFEGUARDS TO OPERATING MODE") REQUIRES THAT TWO SI 1 AND TWO SI 2 RELAYS BE MANUALLY RESET AND ANNUNCIATOR "PRESSURIZER SI BLOCKED" BE ENERGIZED PRIOR TO RESTORING POWER TO SAFEGUARDS. CONTRARY TO THE ABOVE, AT 3:38 P.M. ON JANUARY 2, 1984, WITH UNIT 1 IN COLD SHUTDOWN AND REACTOR COOLANT SYSTEM PRESSURE AT 375 PSIG, THE OPERATOR RESET TWO SI B1 RELAYS VICE THE TWO SI 1 AND TWO SI 2 RELAYS, REMOVING THE LOW PRESSURIZER PRESSURE SAFETY INJECTION BLOCK, RESULTING IN A SAFEGUARDS INITIATION UPON RESTORATION OF SAFEGUARDS POWER (B) PT-58, "REACTOR PROTECTION LOGIC TESTS, REACTOR NORMAL," CONCLUDING PROCEDURE REQUIRES THAT THE TRAIN B REACTOR TRIP BYPASS BREAKER BE



ENFORCEMENT SUMMARY

STEAM GENERATOR PARTS WITHOUT PERFORMING AN EVALUATION OF THE RADIATION HAZARDS ASSOCIATED WITH THIS WORK. THIS INCLUDES: FAILURE TO EVALUATE THE NEED FOR ENGINEERING CONTROLS TO LIMIT THE CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR; FAILURE TO EVALUATE THE CONSEQUENCES OF THE CLEANING OPERATION ON WORKERS PERFORMING OTHER WORK IN CLOSE PROXIMITY TO THIS AREA; AND FAILURE TO EVALUATE THE ADEQUACY OF THE RESPIRATORY EQUIPMENT PROVIDED THE WORKERS PERFORMING THE CLEANING OPERATION. TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO:" "... 1. NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OTHER SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY." (A) GOP-1, "PLANT HEATUP," STEP 35 ("RETURNING SAFEGUARDS TO OPERATING MODE") REQUIRES THAT TWO SI 1 AND TWO SI 2 RELAYS BE MANUALLY RESET AND ANNUNCIATOR "PRESSURIZER SI BLOCKED" BE ENERGIZED PRIOR TO RESTORING POWER TO SAFEGUARDS. CONTRARY TO THE ABOVE, AT 3:38 P.M. ON JANUARY 2, 1984, WITH UNIT 1 IN COLD SHUTDOWN AND REACTOR COOLANT SYSTEM PRESSURE AT 375 PSIG, THE OPERATOR RESET TWO SI B1 RELAYS VICE THE TWO SI 1 AND TWO SI 2 RELAYS, REMOVING THE LOW PRESSURIZER PRESSURE SAFETY INJECTION BLOCK, RESULTING IN A SAFEGUARDS INITIATION UPON RESTORATION OF SAFEGUARDS POWER (B) PT-58, "REACTOR PROTECTION LOGIC TESTS, REACTOR NORMAL," CONCLUDING PROCEDURE REQUIRES THAT THE TRAIN B REACTOR TRIP BYPASS BREAKER BE TRIPPED FOLLOWING CLOSURE OF THE TRAIN B REACTOR TRIP BREAKER. CONTRARY TO THE ABOVE, AT 4:00 P.M. ON JANUARY 6, 1984, WHILE PERFORMING THE CONCLUDING PROCEDURE OF PT-5B, THE OPERATOR RACKED OUT THE TRAIN A REACTOR TRIP BYPASS BREAKER VICE THE TRAIN B REACTOR TRIP BYPASS BREAKER, TRIPPING UNIT 2 FROM FULL POWER, AND (C) GOP-4, "PLANT SHUTDOWN AND COOLDOWN," STEP 46 REQUIRES THAT WHEN REACTOR COOLANT SYSTEM PRESSURE HAS BEEN REDUCED BELOW 1915 PSIG, BOTH PRESSURIZER PRESSURE SAFETY INJECTION BLOCK SWITCHES BE TURNED TO THE "BLOCK" POSITION AND THE "PRESSURIZER SI BLOCKED" ANNUNCIATOR BE VERIFIED ILLUMINATED. CONTRARY TO THE ABOVE, ON JANUARY 20, 1984, DURING COOLDOWN OF UNIT 1, THE OPERATOR REDUCED REACTOR COOLANT SYSTEM PRESSURE BELOW 1915 PSIG AND FAILED TO BLOCK BOTH TRAINS OF LOW PRESSURIZER PRESSURE SAFETY INJECTION. AS A RESULT, A SAFETY INJECTION OCCURRED AT 9:15 A.M., WHEN REACTOR COOLANT SYSTEM PRESSURE REACHED 1815 PSIG. (8327 4)

OTHER ITEMS

## SYSTEMS AND COMPONENT PROBLEMS:

NONE

## FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

## MANAGERIAL ITEMS:

NONE

## PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: MARCH 21 - APRIL 9, 1984

INSPECTION REPRGT NO: 84-03



1. Docket: 50-304                    O P E R A T I N G   S T A T U S

2. Reporting Period: 04/01/84    Outage + On-line Hrs: 719.0

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>719.0</u>	<u>2,903.0</u>	<u>84,288.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>6,204,923</u>	<u>171,121,006</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,029,823</u>	<u>54,733,860</u>
19. Net Elec Ener (MWH)	<u>-5,300</u>	<u>1,940,444</u>	<u>52,017,389</u>
20. Unit Service Factor	<u>.0</u>	<u>69.5</u>	<u>70.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>69.5</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>64.3</u>	<u>59.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>64.3</u>	<u>59.3</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>

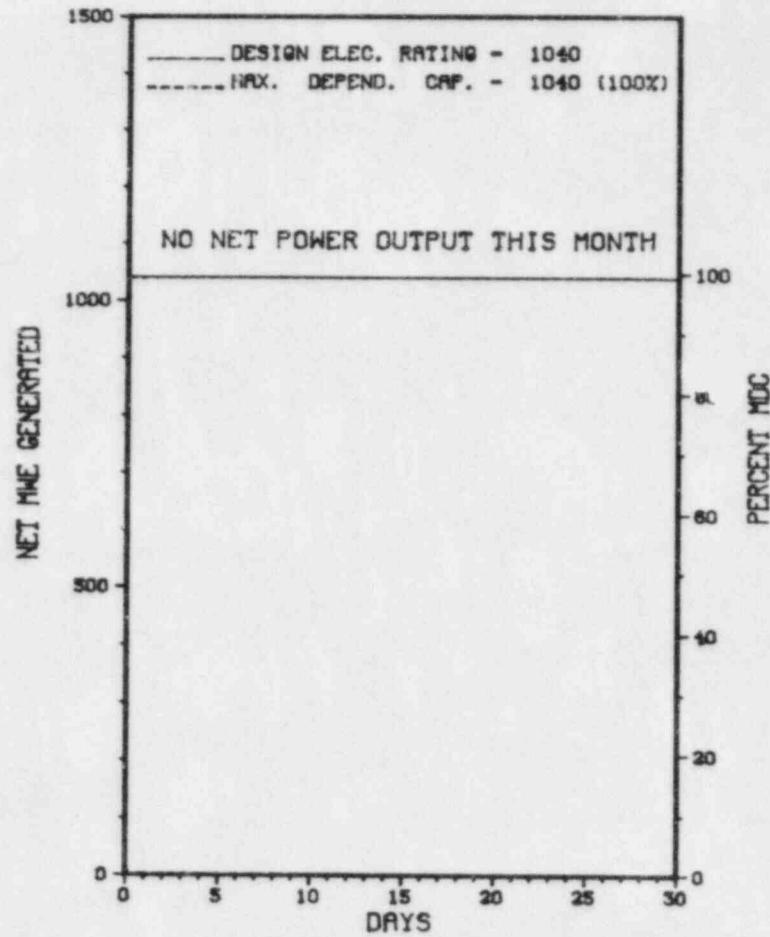
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):  
NONE

27. If Currently Shutdown Estimated Startup Date: 06/09/84

\*\*\*\*\*  
\*                    Z I O N   2                    \*  
\*\*\*\*\*

AVERAGE DAILY POWER LEVEL (MWe) PLOT

### ZION 2



APRIL 1984



Report Period APR 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	719.0	C	4		RC	FUELXX	CONTINUED CYCLE VII-VIII REFUELING OUTAGE.

\*\*\*\*\* ZION 2 CONTINUED THROUGHOUT APRIL IN A REFUELING 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)

\*\*\*\*\*  
 \* ZION 2 \*  
 \*\*\*\*\*

FACILITY DATA

Report Period APR 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  
 LICENSE & DATE ISSUANCE...DPR-48, NOVEMBER 14, 1973  
 PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY  
 2400 GABRIEL AVENUE  
 ZION, ILLINOIS 60099

INSPECTION SUMMARY

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

INSPECTION ON FEBRUARY 10 - MARCH 20, (84-02): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATION WITH ONE WIDE RANGE RCS PRESSURE INDICATION INOPERABLE; INOPERABLE SNUBBER; ALLEGATION FOLLOWUP; PREPARATION FOR UNIT 2 REFUELING; STARTUP TESTING - UNIT 1 REFUELING; UNIT 1 CILRT; UNIT 2 CONTAINMENT VENTED TO AUXILIARY BUILDING THROUGH MISPOSITIONED VALVE; OPERATIONAL SAFETY AND ESF SYSTEM WALKDOWN; MAINTENANCE; SURVEILLANCE; AND LER FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 217 HOURS BY TWO NRC INSPECTORS INCLUDING 55 HOURS ONSITE DURING OFF-SHIFTS. OF THE 12 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO:" "...1. NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OTHER SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY." "...11. FIRE PROTECTION PROGRAM IMPLEMENTATION." (A) ZAP-02A, "FIRE PROTECTION SURVEILLANCE PROCEDURES." REQUIRE THAT NO COMBUSTIBLE MATERIALS BE STORED IN THE AUXILIARY BUILDING IN OTHER THAN APPROVED AREAS. CONTRARY TO THE ABOVE, ON JANUARY 23, 1984, NUMEROUS CONTAINERS OF FLAMMABLE AND COMBUSTIBLE MATERIAL WERE STORED ON TOP OF A CONTRACTOR TOOL STORAGE BOX ON THE 617 FEET LEVEL OF THE AUXILIARY BUILDING, AND (B) GOP-1, "PLANT HEATUP" REQUIRES REACTOR COOLANT SYSTEM TEMPERATURE BE MAINTAINED BELOW 200 DEGREES F UNTIL SAFEGUARDS ARE RESTORED TO THE OPERATING MODE. CONTRARY TO THE ABOVE, BETWEEN 8:38 A.M. AND 8:50 A.M. ON FEBRUARY 3, 1984, REACTOR COOLANT SYSTEM TEMPERATURE EXCEEDED 200





**SECTION 3**

**APPENDIX**

\*\*\*\*\*  
 \* PRESSURIZED\*  
 \* WATER \*  
 \* REACTORS \*  
 \*\*\*\*\*

STATUS OF SPENT FUEL STORAGE CAPABILITY

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	988	316	672		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)	868(c)	961(c)(m)	1098	03-85	1991
CALVERT CLIFFS 2	217					N/S	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(1)	1123	189(1)(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					08-84	
RANCHO SECO 1	177	579	280	299		10-84	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 \*

\*\*\*\*\*

FACILITY	(a)		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
	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)					
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	312	339		N/S	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	250	141	471	N/S	1988
ZION 1	193	2112(c)	863(c)	1249(c)		N/S	1995
ZION 2	193					N/S	1995

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.
- (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 0 cone fuel assemblies.

-----  
N/S = Not Scheduled  
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\* BOILING \* STATUS OF SPENT FUEL STORAGE CAPABILITY

\* WATER \*

\* REACTORS \*

FACILITY *****	(a)		NO. OF ASSEMBLIES REMAINING CAPACITY		REMAINING CAPACITY	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	ASSEMBLIES STORAGED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****		
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		601(m)	2582	08-84 1985
BROWNS FERRY 3	764	3471	1768		150(m)	1703	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	2659(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							
LASALLE 2							
MILLSTONE 1	580	2184	1281		903		N/S 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	1361		1455		N/S 1990
PEACH BOTTOM 3	764	2816	1212		1604		N/S 1991



***** STATUS OF SPENT FUEL STORAGE CAPABILITY *****							
* BOILING * * WATER * * REACTORS *		(a)				(b)	
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
	*****	*****	*****	*****	*****	*****	*****
PILGRIM 1	580	2320	1708		62(m)	N/S	1990
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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- (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 Oconee fuel assemblies.

-----  
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 *	9.75	08/01/74	ARKANSAS 1	5.35	12/26/78	ARKANSAS 2	7.88	06/14/76	BEAVER VALLEY 1		
* OPERATING *	21.40	12/08/62	BIG ROCK POINT 1	10.54	10/15/73	BROWNS FERRY 1	9.68	08/28/74	BROWNS FERRY 2		
* ELECTRICAL *	7.63	09/12/76	BROWNS FERRY 3	7.41	12/04/76	BRUNSWICK 1	9.01	04/29/75	BRUNSWICK 2		
* PRODUCING *	9.33	01/03/75	CALVERT CLIFFS 1	7.40	12/07/76	CALVERT CLIFFS 2	9.22	02/10/75	COOK 1		
* UNITS *	6.11	03/22/78	COOK 2	9.98	05/10/74	COOPER STATION	7.25	01/30/77	CRYSTAL RIVER 3		
*****	6.67	08/28/77	DAVIS-BESSE 1	14.05	04/13/70	DRESDEN 2	12.78	07/22/71	DRESDEN 3		
	9.95	05/19/74	DUANE ARNOLD	6.70	08/18/77	FARLEY 1	2.93	05/25/81	FARLEY 2		
	9.25	02/01/75	FITZPATRICK	10.68	08/25/73	FORT CALHOUN 1	7.39	12/11/76	FORT ST VRAIN		
	14.41	12/02/69	GINNA	16.73	08/07/67	HADDAM NECK	9.47	11/11/74	HATCH 1		
	5.61	09/22/78	HATCH 2	10.85	06/26/73	INDIAN POINT 2	8.01	04/27/76	INDIAN POINT 3		
	10.06	04/08/74	KEWAUNEE	16.01	04/26/68	LA CROSSE	1.66	09/04/82	LASALLE 1		
	.03	04/20/84	LASALLE 2	11.48	11/08/72	MAINE YANKEE	2.84	06/30/81	M'GUIRE 1		
	.94	05/23/83	MCGUIRE 2	13.42	11/29/70	MILLSTONE 1	8.48	11/09/75	MILLSTONE 2		
	13.16	03/05/71	MONTICELLO	14.48	11/09/69	NINE MILE POINT 1	6.04	04/17/78	NORTH ANNA 1		
	3.68	08/25/80	NORTH ANNA 2	10.99	05/06/73	OCONEE 1	10.40	12/05/73	OCONEE 2		
	9.66	09/01/74	OCONEE 3	14.60	09/23/69	OYSTER CREEK 1	12.33	12/31/71	PALISADES		
	10.20	02/18/74	PEACH BOTTOM 2	9.66	09/01/74	PEACH BOTTOM 3	11.78	07/19/72	PILGRIM 1		
	13.48	11/06/70	POINT BEACH 1	11.75	08/02/72	POINT BEACH 2	10.41	12/04/73	PRAIRIE ISLAND 1		
	9.36	12/21/74	PRAIRIE ISLAND 2	12.05	04/12/72	QUAD CITIES 1	11.94	05/23/72	QUAD CITIES 2		
	9.55	10/13/74	RANCHO SECO 1	13.60	09/26/70	ROBINSON 2	7.35	12/25/76	SALEM 1		
	2.91	06/03/81	SALEM 2	16.79	07/16/67	SAN ONOFRE 1	1.61	09/20/82	SAN ONOFRE 2		
	.60	09/25/83	SAN ONOFRE 3	3.78	07/22/80	SEQUOYAH 1	2.35	12/23/81	SEQUOYAH 2		
	7.98	05/07/76	ST LUCIE 1	.88	06/13/83	ST LUCIE 2	1.46	11/16/82	SUMMER 1		
	11.82	07/04/72	SURRY 1	11.14	03/10/73	SURRY 2	1.46	11/16/82	SUSQUEHANNA 1		
	9.87	06/19/74	THREE MILE ISLAND 1	8.36	12/23/75	TROJAN	11.49	11/02/72	TURKEY POINT 3		
	10.86	06/21/73	TURKEY POINT 4	11.61	09/20/72	VERMONT YANKEE 1	23.47	11/10/60	YANKEE-ROWE 1		
	10.84	06/28/73	ZION 1	10.35	12/26/73	ZION 2					
TOTAL 734.45 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
	CANOGA 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	57-073	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
CALIFORNIA	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

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 \* RESEARCH \*  
 \* REACTORS \*  
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NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF 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	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
	ROLLA	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 - PHYSCS 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	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
	PORTLAND	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

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NON - POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF 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
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	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

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 \* EXPERIMENTAL AND TEST REACTORS \*  
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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

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 \* CRITICAL EXPERIMENT FACILITIES \*  
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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

NRC FORM 338 10-831		U.S. NUCLEAR REGULATORY COMMISSION		1. REPORT NUMBER (Assigned by TROC add Vol. No. if any)	
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<p>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.</p>					
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