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NUREG-0020
Vol. 8, No. 10
October 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 09-30-84

UNITED STATES NUCLEAR REGULATORY COMMISSION



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STATUS SUMMARY REPORT

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



AUTHORIZATION AND CLEARANCE

The U.S. Nuclear Regulatory Commission's Office of 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.

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G L O S S A R Y

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

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SECTION 1

**CURRENT
DATA
SUMMARIES**

MONTHLY HIGHLIGHTS

***** 79 IN COMMERCIAL OPERATION 62,118 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 3 IN POWER ASCENSION. 3,201 capacity; design elec. rating
 * POWER * --- used if MDC not determined
 * REACTORS * (b) 82 LICENSED TO OPERATE 65,319 TOTAL
 ***** (c) 3 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

MDC NET		DER		DATE	DER
(a) LASALLE 2	1036	1. DRESDEN 1	200	06/16/82	1250
WASH. NUC. 2	1100	2. HUMBOLDT BAY	65	04/19/84	1084
SUSQUEHANNA 2	1065	3. TMI 2	906	06/11/84	1188
		(b) Excludes these plants licensed for operation which are shut down indefinitely			
		(c) GRAND GULF 1			

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
***** 1. GROSS ELECTRICAL (MWHE)	28,775,552	30,184,531	253,089,808
* POWER * 2. NET ELECTRICAL (MWHE)	27,390,030	28,742,464	240,650,990
* GENERATION * 3. AVG. UNIT SERVICE FACTOR (%)	67.5	68.2	63.8
***** 4. AVG. UNIT AVAILABILITY FACTOR (%)	67.5	68.2	63.8
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	61.0	62.1	58.9
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	59.6	60.6	57.5
7. FORCED OUTAGE RATE (%)	13.3	12.4	10.4

		% OF POTENTIAL PRODUCTION
***** 1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	27,390,030 NET	61.2
* ACTUAL VS. * 2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	9,018,628 MWHe	20.2
* POTENTIAL * 3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	5,223,783 MWHe	11.7
* ENERGY * 4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	3,092,519 MWHe	6.9
* PRODUCTION * *****		
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	44,724,960 MWHe	100.0% TOTAL
(Using Maximum Dependable Capacity Net)		
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	558,720 MWHe	
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS.	0 MWHe	0 UNIT(S) WITH NRC RESTRICTION

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
***** 1. FORCED OUTAGES DURING REPORT PERIOD	51	6,720.7	11.8	5,223,783
* OUTAGE * 2. SCHEDULED OUTAGES DURING REPORT PERIOD.	31	11,771.5	20.7	9,018,628
* DATA * *****				
TOTAL	82	18,492.2	32.5	14,242,411

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

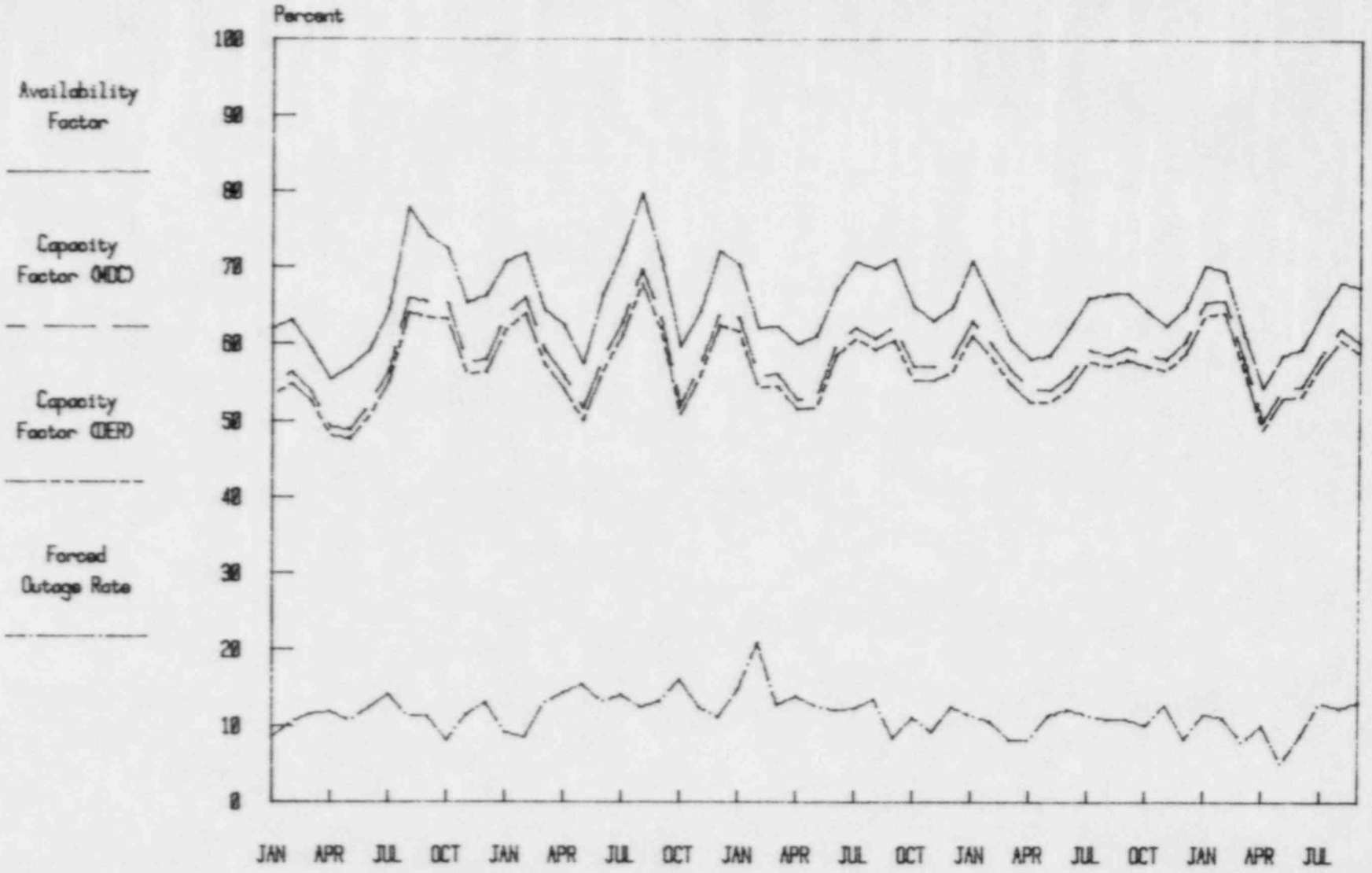
		NUMBER	HOURS LOST
*****	A - Equipment Failure	33	4,459.7
* REASONS *	B - Maintenance or Test	11	1,497.6
* FOR *	C - Refueling	21	10,352.0
* SHUTDOWNS *	D - Regulatory Restriction.	1	720.0
*****	E - Operator Training & License Examination . . .	0	0.0
	F - Administrative.	1	17.9
	G - Operational Error	5	254.4
	H - Other	10	1,190.6
	TOTAL	82	18,492.2

*****		MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
* DERATED *	FORT ST VRAIN	330	280	Self-imposed

*****	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
* SHUTDOWNS *	BIG ROCK POINT 1	A	BROWNS FERRY 2	C	BROWNS FERRY 3	C	BRUNSWICK 1	H
* GREATER *	BRUNSWICK 2	C	CALVERT CLIFFS 2	A	COOPER STATION	C	DAVIS-BESSE 1	C
* THAN 72 HRS *	DRESDEN 3	A	FARLEY 2	H	FITZPATRICK	B	FORT ST VRAIN	A
* EACH *	HADDAM NECK	C	INDIAN POINT 2	C	LA CROSSE	A	MONTICELLO	C
*****	NORTH ANNA 1	C	NORTH ANNA 2	C	OYSTER CREEK 1	C	PALISADES	B,A
	PEACH BOTTOM 2	C	PILGRIM 1	C	PRAIRIE ISLAND 2	C	RANCHO SECO 1	A
	ROBINSON 2	C	SALEM 1	A	SAN ONOFRE 1	B	SEQUOYAH 1	A
	SEQUOYAH 2	A	ST LUCIE 1	H	ST LUCIE 2	B,H	SURRY 1	C
	THREE MILE ISLAND 1	D	TROJAN	G,C	VERMONT YANKEE 1	H	ZION 1	A

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 09-30-84



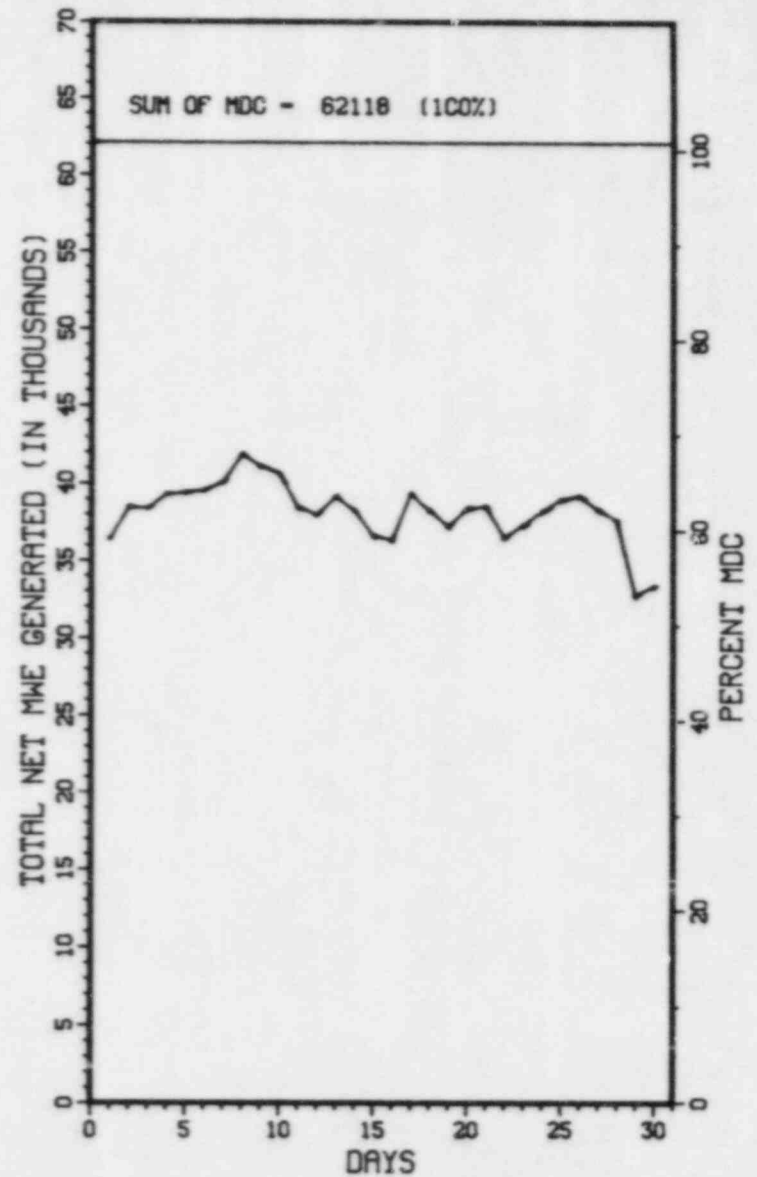
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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

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

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

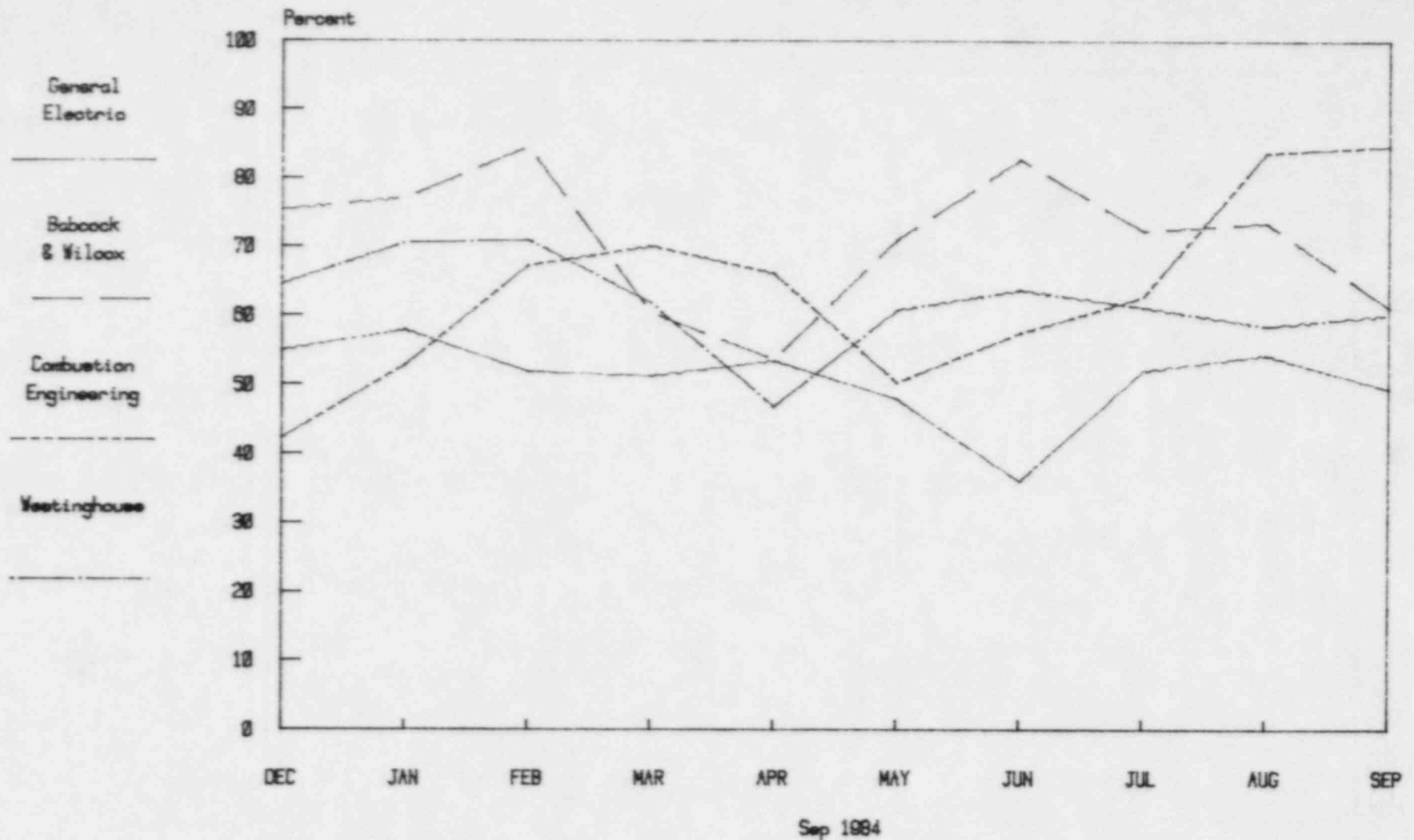
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



SEPTEMBER 1984

Vendor Average Capacity Factors

As Of 09-30-84



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

AVERAGE CAPACITY FACTORS BY VENDORS

***** * GENERAL * * ELECTRIC * *****	CFMDC 88.7 BROWNS FERRY 1 0.0 BRUNSWICK 2 62.2 DUANE ARNOLD 55.7 LASALLE 1 0.0 OYSTER CREEK 1 92.7 QUAD CITIES 1	CFMDC 25.4 BROWNS FERRY 2 28.7 COOPER STATION 44.5 FITZPATRICK 97.7 MILLSTONE 1 0.0 PEACH BOTTOM 2 93.9 QUAD CITIES 2	CFMDC 0.0 BROWNS FERRY 3 76.7 DRESDEN 2 69.4 HATCH 1 0.0 MONTICELLO 99.5 PEACH BOTTOM 3 92.9 SUSQUEHANNA 1	CFMDC 68.2 BRUNSWICK 1 58.4 DRESDEN 3 54.7 HATCH 2 96.9 NINE MILE POINT 1 0.0 PILGRIM 1 49.0 VERMONT YANKEE 1
---	--	---	--	---

***** * BABCOCK & WILCOX * *****	CFMDC 81.7 ARKANSAS 1 92.6 OCONEE 2	CFMDC 93.8 CRYSTAL RIVER 3 97.6 OCONEE 3	CFMDC 23.5 DAVIS-BESSE 1 0.0 RANCHO SECO 1	CFMDC 97.9 OCONEE 1 0.0 THREE MILE ISLAND 1
--	---	--	--	---

***** * COMBUSTION * * ENGINEERING * *****	CFMDC 88.1 ARKANSAS 2 102.2 MAINE YANKEE 98.3 SAN ONOFRE 3	CFMDC 103.4 CALVERT CLIFFS 1 94.0 MILLSTONE 2 73.8 ST LUCIE 1	CFMDC 77.6 CALVERT CLIFFS 2 13.6 PALISADES 66.4 ST LUCIE 2	CFMDC 95.7 FORT CALHOUS 1 97.6 SAN ONOFRE 2
---	---	--	---	---

***** * WESTINGHOUSE * *****	CFMDC 84.2 BEAVER VALLEY 1 49.0 FARLEY 2 97.1 INDIAN POINT 3 1.4 NORTH ANNA 1 99.1 PRAIRIE ISLAND 1 80.5 SALEM 2 69.8 SUMMER 1 100.1 TURKEY POINT 3 95.6 ZION 2	CFMDC 94.6 COOK 1 100.5 GINNA 103.1 KEWAUNEE 0.0 NORTH ANNA 2 6.3 PRAIRIE ISLAND 2 0.0 SAN ONOFRE 1 63.8 SURRY 1 87.2 TURKEY POINT 4	CFMDC 94.2 COOK 2 0.0 HADDAM NECK 95.6 MCGUIRE 1 100.5 POINT BEACH 1 0.0 ROBINSON 2 66.4 SEQUOYAH 1 86.7 SURRY 2 91.4 YANKEE-ROWE 1	CFMDC 102.1 FARLEY 1 0.0 INDIAN POINT 2 89.8 MCGUIRE 2 86.0 POINT BEACH 2 0.0 SALEM 1 55.6 SEQUOYAH 2 0.0 TROJAN 18.7 ZION 1
------------------------------------	--	--	---	--

 * OTHER INFO *

Units excluded are:
 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.....	7,276,459	11,556,262	5,517,475	2,978,337	20,052,074
MDC NET.....	19,226	26,641	9,049	6,760	42,450
CFMDC.....	52.6	60.2	84.7	61.2	65.6

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A
CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

NONE

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: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>85,770.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,944.4</u>	<u>58,379.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,880.4</u>	<u>57,130.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,559,806</u>	<u>13,880,254</u>	<u>135,800,551</u>
18. Gross Elec Ener (MWH)	<u>517,460</u>	<u>4,640,135</u>	<u>44,778,500</u>
19. Net Elec Ener (MWH)	<u>491,563</u>	<u>4,429,818</u>	<u>42,688,205</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.4</u>	<u>66.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.4</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>81.7</u>	<u>80.6</u>	<u>59.5</u>
23. Unit Cap Factor (DER Net)	<u>80.3</u>	<u>79.3</u>	<u>58.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>15.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>61.0</u>	<u>10,239.1</u>

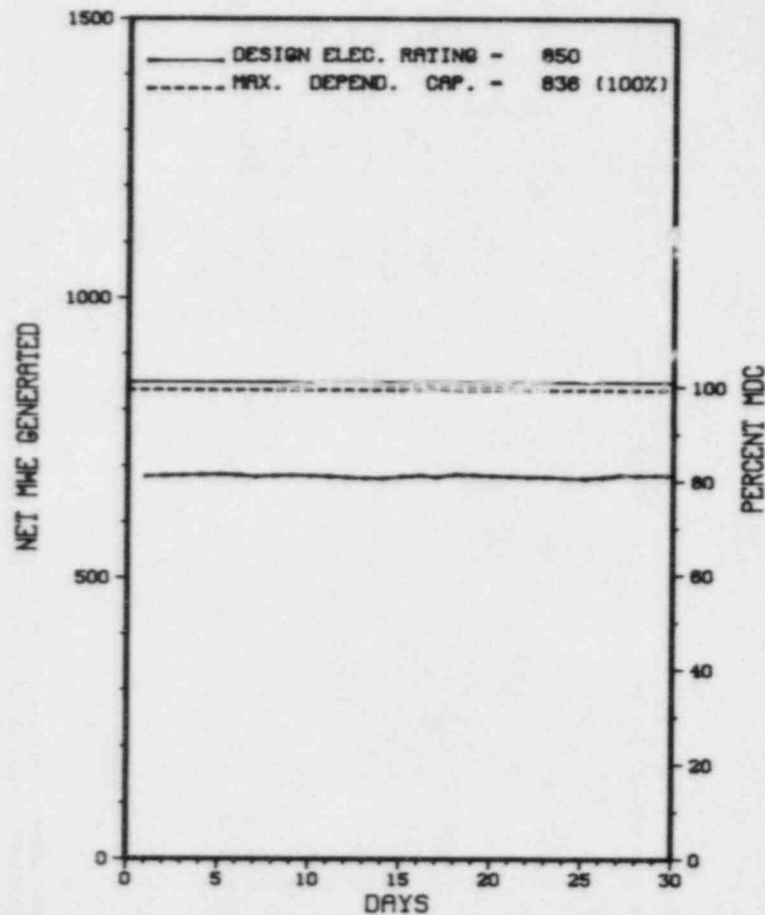
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING & MAINTENANCE: 10/12/84 - 12/22/84.

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

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

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

NONE

* SUMMARY *

ARKANSAS 1 OPERATED WITH NO OUTAGES OR REDUCTIONS DURING SEPTEMBER.

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

1. Docket: 50-368 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

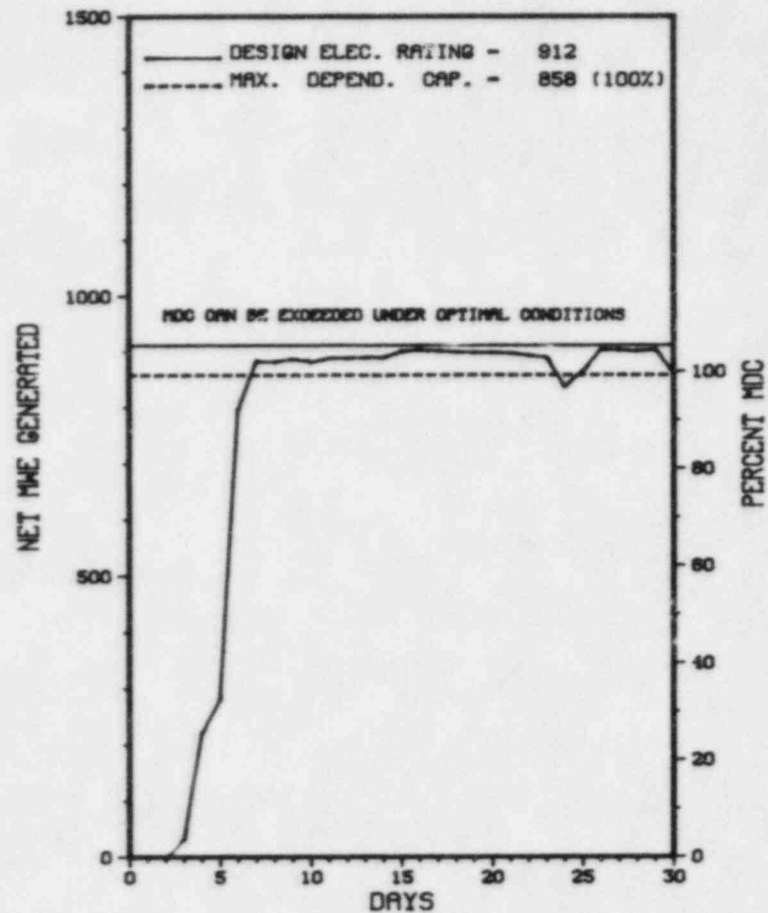
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>39,599.0</u>
13. Hours Reactor Critical	<u>658.8</u>	<u>5,535.4</u>	<u>27,208.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>654.3</u>	<u>5,369.5</u>	<u>26,319.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,715,685</u>	<u>13,839,424</u>	<u>66,388,964</u>
18. Gross Elec Ener (MWH)	<u>570,822</u>	<u>4,606,135</u>	<u>21,623,086</u>
19. Net Elec Ener (MWH)	<u>544,498</u>	<u>4,393,715</u>	<u>20,600,055</u>
20. Unit Service Factor	<u>90.9</u>	<u>81.7</u>	<u>66.5</u>
21. Unit Avail Factor	<u>90.9</u>	<u>81.7</u>	<u>66.7</u>
22. Unit Cap Factor (MDC Net)	<u>88.1</u>	<u>77.9</u>	<u>60.6</u>
23. Unit Cap Factor (DER Net)	<u>82.9</u>	<u>73.3</u>	<u>57.0</u>
24. Unit Forced Outage Rate	<u>9.1</u>	<u>7.8</u>	<u>18.1</u>
25. Forced Outage Hours	<u>65.7</u>	<u>454.3</u>	<u>5,832.8</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



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8408	08/28/84	F	65.7	A	4	2-84248	ZZ	ZZZZZZ	THE UNIT TRIPPED DUE TO A DROPPED CEA. THE UNIT THEN WENT TO CSD TO REPAIR A FAULTY RCP SEAL AND A LEAKING STEAM GENERATOR MANWAY.

 * SUMMARY *

 ARKANSAS 2 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

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

* ARKANSAS 2 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....W. JOHNSON
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 ON JUNE 18-29, 1984 (84-19)

ROUTINE, UNANNOUNCED INSPECTION OF THE ONSITE LOW-LEVEL RADIOACTIVE WASTE (LLRW) FACILITY, IMPLEMENTAION OF 10 CFR PARTS 20.311 AND 61, LOW-LEVEL RADIOACTIVE WASTE (RW) DISPOSAL, RADIOACTIVE MATERIAL TRANSPORTATION PROGRAM, AND NONLICENSED TRAINING PROGRAM FOR ONSITE AND CORPORATE PERSONNEL.

WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JULY 1-31, 1984 (84-22)

ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS.

WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JULY 9-13, 1984 (84-23)

ROUTINE, UNANNOUNCED INSPECTION OF THE AND EMERGENCY PREPAREDNESS PROGRAM INCLUDING EMERGENCY DETECTION AND CLASSIFICATION, PROTECTIVE ACTION DECISIONMAKING, AND NOTIFICATION AND COMMUNICATIONS.

Report Period SEP 1984

REPORTS FROM LICENSEE

* ARKANSAS 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-017-00	7-13-84	8-13-84	DEGRADED FIRE BARRIER
84-018-00	6-18-84	8-20-84	CATEGORY "E" VALVE IMPROPERLY ALIGNED
84-019-00	7-20-84	8-20-84	MANUAL REACTOR TRIP FOLLOWING TRANSFER OF INVERTER
84-020-00	7-26-84	8-29-84	REACTOR TRIP ON HIGH STEAM GENERATOR LEVEL
84-021-00	7-28-84	8-29-84	REACTOR TRIP ON HIGH STEAM GENERATOR LEVEL
84-025-00	7-27-84	9-10-84	CPC CHANNEL "D" RTD CALIBRATION AND RESPONSE TIME DEGRATATION

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1. Docket: 50-334 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

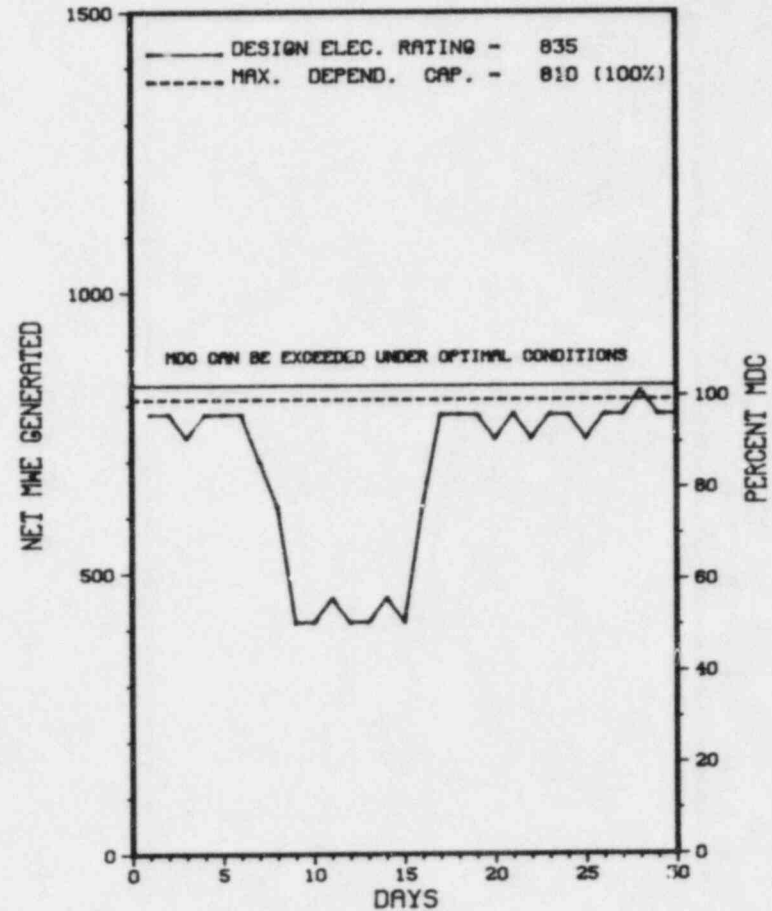
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>73,799.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,221.3</u>	<u>37,104.6</u>
14. Rx Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,049.1</u>	<u>35,828.0</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,674,388</u>	<u>15,150,169</u>	<u>82,739,701</u>
18. Gross Elec Ener (MWH)	<u>526,000</u>	<u>4,855,500</u>	<u>26,284,440</u>
19. Net Elec Ener (MWH)	<u>491,190</u>	<u>4,563,825</u>	<u>24,452,623</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.0</u>	<u>51.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.0</u>	<u>51.0</u>
22. Unit Cap Factor (MDC Net)	<u>84.2</u>	<u>85.7</u>	<u>44.6</u>
23. Unit Cap Factor (DER Net)	<u>81.7</u>	<u>83.1</u>	<u>43.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.1</u>	<u>27.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>195.0</u>	<u>17,872.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING & MAINTENANCE: 10/13/84 - 12 WEEKS.

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

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BEAVER VALLEY 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* BEAVER VALLEY 1 *

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

NONE

* SUMMARY *

BEAVER VALLEY 1 OPERATED WITH NO REPORTED OUTAGES OR REDUCTIONS DURING SEPTEMBER.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	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		

* BEAVER VALLEY 1 *

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

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....BEAVER

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI E OF
E. LIVERPOOL, OH

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 10, 1976
DATE ELEC ENER 1ST GENER...JUNE 14, 1976
DATE COMMERCIAL OPERATE....OCTOBER 1, 1976

CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...OHIO RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT

CORPORATE ADDRESS.....ONE OXFORD CENTRE, 301 GRANT STREET
PITTSBURGH, PENNSYLVANIA 15279

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 1984

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

* BEAVER VALLEY 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

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

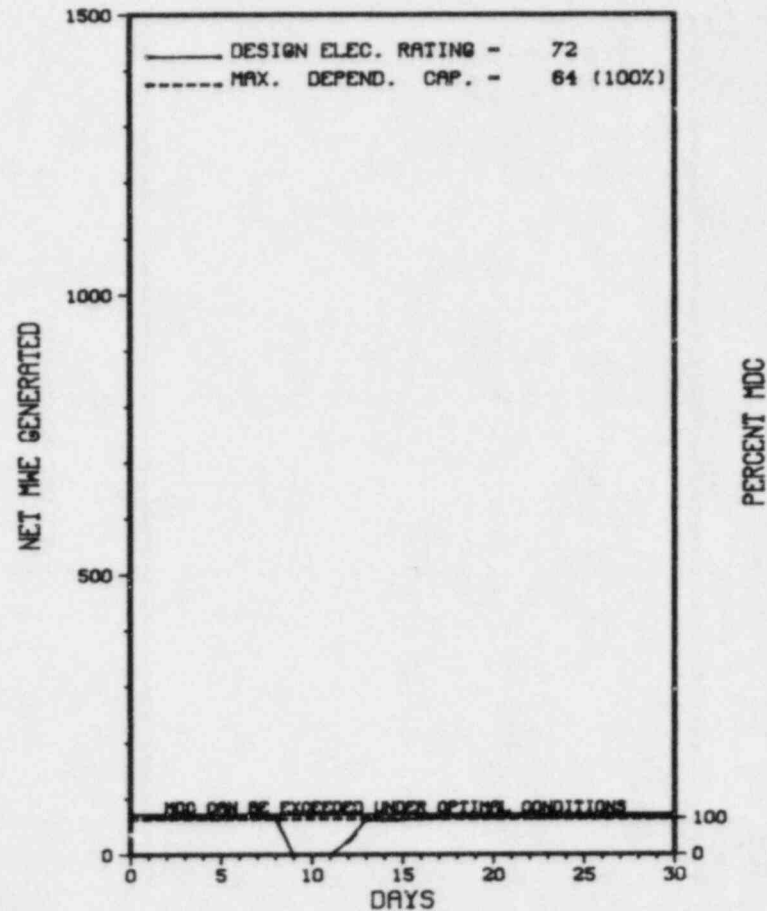
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>188,562.0</u>
13. Hours Reactor Critical	<u>654.7</u>	<u>4,774.0</u>	<u>132,484.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>646.6</u>	<u>4,700.7</u>	<u>129,993.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>137,318</u>	<u>875,009</u>	<u>24,360,900</u>
18. Gross Elec Ener (MWH)	<u>44,177</u>	<u>283,447</u>	<u>7,699,056</u>
19. Net Elec Ener (MWH)	<u>41,876</u>	<u>267,286</u>	<u>7,279,498</u>
20. Unit Service Factor	<u>89.8</u>	<u>71.5</u>	<u>68.9</u>
21. Unit Avail Factor	<u>89.8</u>	<u>71.5</u>	<u>68.9</u>
22. Unit Cap Factor (MDC Net)	<u>90.9</u>	<u>63.5</u>	<u>57.6*</u>
23. Unit Cap Factor (DER Net)	<u>80.8</u>	<u>56.5</u>	<u>53.6</u>
24. Unit Forced Outage Rate	<u>10.2</u>	<u>19.7</u>	<u>16.6</u>
25. Forced Outage Hours	<u>73.4</u>	<u>1,154.7</u>	<u>11,055.0</u>

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

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

* B I G R O C K P O I N T 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
B I G R O C K P O I N T 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-08	09/09/84	F	73.4	A	1		HJ	VALVEX	FORCED OUTAGE DUE TO BLOWN PACKING ON CV-4104.

* SUMMARY *

BIG ROCK POINT 1 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

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

* BIG ROCK POINT 1 *

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

Report Period SEP 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.....S. GUTHRIE
LICENSING PROJ MANAGER.....R. EMCH
DOCKET NUMBER.....50-155
LICENSE & DATE ISSUANCE...DPR-6, AUGUST 30, 1962
PUBLIC DOCUMENT ROOM.....NORTH CENTRAL MICHIGAN COLLEGE
 1515 HOWARD STREET
 PETOSKEY, MICHIGAN 49770

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

INSPECTION SUMMARY

INSPECTION ON JULY 16-20, (84-09): SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS/VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL/PACKAGES/VEHICLES; DETECTION AIDS - PROTECTED AREAS/VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 34 HOURS OF DIRECT INSPECTION EFFORT BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-259 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

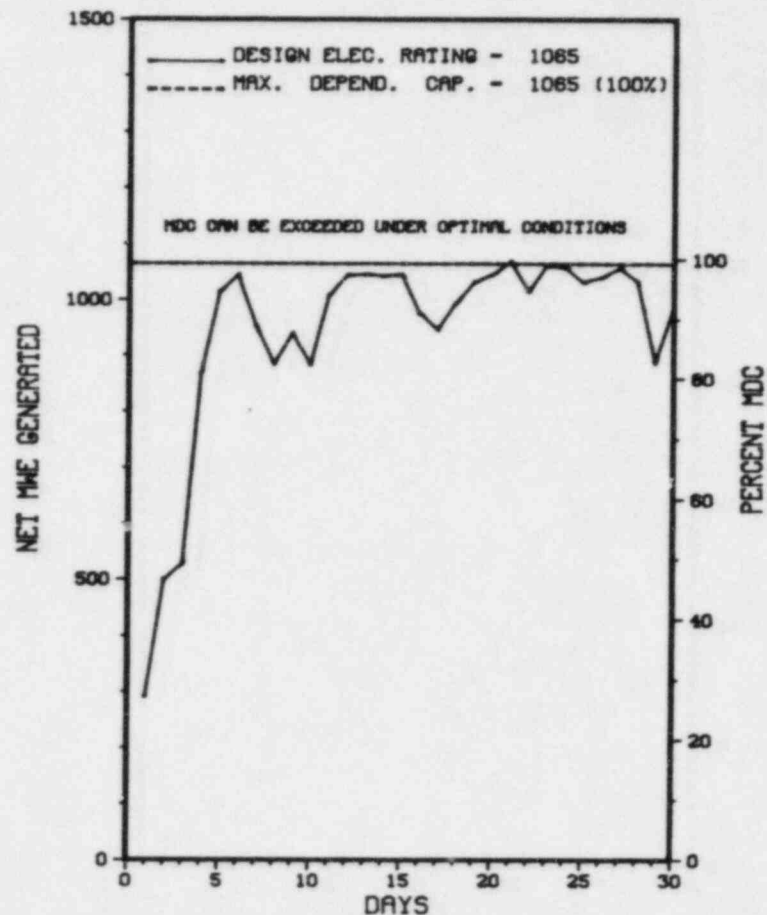
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>69,137.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,858.4</u>	<u>55,664.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>700.1</u>	<u>6,484.7</u>
15. Hrs Generator On-Line	<u>710.3</u>	<u>5,723.2</u>	<u>54,440.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,150,282</u>	<u>17,453,491</u>	<u>156,011,170</u>
18. Gross Elec Ener (MWH)	<u>698,310</u>	<u>5,781,530</u>	<u>51,427,150</u>
19. Net Elec Ener (MWH)	<u>680,140</u>	<u>5,588,148</u>	<u>49,913,475</u>
20. Unit Service Factor	<u>98.7</u>	<u>87.0</u>	<u>61.1</u>
21. Unit Avail Factor	<u>98.7</u>	<u>87.0</u>	<u>61.1</u>
22. Unit Cap Factor (MDC Net)	<u>88.7</u>	<u>79.8</u>	<u>52.6</u>
23. Unit Cap Factor (DER Net)	<u>88.7</u>	<u>79.8</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>1.3</u>	<u>12.5</u>	<u>22.8</u>
25. Forced Outage Hours	<u>9.7</u>	<u>820.0</u>	<u>16,044.7</u>

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

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

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
289	08/21/84	F	9.7	B	4			REACTOR MANUALLY SCRAMMED TO TEST CHECK VALVE FCV-75-26 FOR PROPER SEALING.
290	09/07/84	S	0.0	H	5			DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
291	09/09/84	F	0.0	F	5			DERATED DUE TO HIGH BACK PRESSURE.
292	09/15/84	S	0.0	H	5			DERATED FOR TURBINE CV TESTS AND SIS.
293	09/17/84	F	0.0	B	5			DERATED TO REPAIR FLANGE LEAKS ON DEMINERALIZER VALVES.
294	09/28/84	S	0.0	H	5			DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.

 * SUMMARY *

 BROWNS FERRY 1 OPERATED WITH 1 OUTAGE AND 5 REDUCTIONS 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* BROWNS FERRY 1 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTONE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
DECATUR, ALA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 17, 1973
DATE ELEC ENER 1ST GENER...OCTOBER 15, 1973
DATE COMMERCIAL OPERATE...AUGUST 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...TENNESSEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
CHATTANOOGA, TENNESSEE 37401
CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
NUC STEAM SYS SUPPLIEK...GENERAL ELECTRIC
CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. PAULK
LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-259
LICENSE & DATE ISSUANCE...DPR-33, DECEMBER 20, 1973
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION APRIL 26 - MAY 25 (84-20): THIS ROUTINE INSPECTION INVOLVED 47 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT DESIGN, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, MAINTENANCE, AND SURVEILLANCE. OF THE SIX AREAS INSPECTED, THERE WERE TWO VIOLATIONS IDENTIFIED. A VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION III AND A VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION XVI; BOTH DISCUSSED IN PARAGRAPH 10.

INSPECTION JULY 16-20 AND JULY 24-26 (84-24): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 59 INSPECTOR-HOURS IN THE AREAS OF BROWNS FERRY AND SEQUOYAH PLANT TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED AT THE BROWNS FERRY NUCLEAR PLANT AND ONE VIOLATION WAS IDENTIFIED AT THE SEQUOYAH NUCLEAR PLANT.

INSPECTION AUGUST 22-24 (84-31): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREA OF REPORTED CONCERNS INVOLVING SUBSTANDARD WELDING AND INSPECTION PRACTICES ON THE RECIRCULATION SYSTEM SWEEPolet OVERLAY REPAIR WELDS UNIT 1. OF THE AREA INSPECTED, TWO APPARENT VIOLATIONS WERE FOUND; VIOLATION - FAILURE TO ESTABLISH QC HOLD POINTS AND TO USE QUALIFIED VISUAL EXAMINERS FOR PERFORMING DIMENSIONAL VERIFICATION ON CRITICAL SYSTEMS, STRUCTURES AND COMPONENTS; AND VIOLATION - QUALITY ASSURANCE BREAKDOWN IN WORK PERFORMED ON UNIT 1 OVERLAY REPAIR WELDS. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20-23 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT ITEMS AND PLANT TOUR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 28 - AUGUST 25 (84-33): THIS ROUTINE INSPECTION INVOLVED 20 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL

INSPECTION SUMMARY

SAFETY, MAINTENANCE OBSERVATION, AND REPORTABLE OCCURRENCES. VIOLATION - ONE VIOLATION OF TS 6.3.A FOR FAILURE TO MAINTAIN LOCKED VALVES.

ENFORCEMENT CONFERENCE AUGUST 30 (84-35): AN ENFORCEMENT CONFERENCE WAS HELD AT THE BROWNS FERRY SITE TO REVIEW VIOLATIONS RELATING TO INOPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER (RHRSW) PUMPS. FOUR OF THE EIGHT RHRSW PUMPS WERE DECLARED INOPERABLE WHILE CONDUCTING SURVEILLANCE TESTING, AND TWO OTHER PUMPS WERE INOPERABLE BECAUSE THEIR EMERGENCY DIESEL POWER SUPPLY WAS INOPERABLE. WITH UNITS 1 AND 2 OPERATING AND UNIT 3 DEFUELED, A MINIMUM OF FOUR RHRSW PUMPS WERE REQUIRED TO BE OPERABLE. ESSENTIAL CONTROL VALVE 23-57 WAS NOT DEMONSTRATED OPERABLE WHEN RHRSW PUMPS SUPPLYING STANDBY COOLING WERE DETERMINED TO BE INOPERABLE. THE BASIC CAUSE OF THE VIOLATION WAS THE FAILURE TO USE AN EXISTING PROCEDURE TO EVALUATE THE STATUS OF REQUIRED EMERGENCY EQUIPMENT WHEN ONE OF THE DIESEL GENERATORS ON RHRSW PUMPS IS INOPERABLE, AND UNCLEAR OR CONFLICTING TECHNICAL SPECIFICATIONS AND PROCEDURES. NRC EMPHASIZED THE NEED FOR GOOD PROCEDURES AND TECHNICAL SPECIFICATIONS, AND THE NEED FOR STRICT COMPLIANCE WITH PROCEDURES.

SITE TOUR AUGUST 30 (84-36): A SITE TOUR WAS CONDUCTED FOR NRC REPRESENTATIVES, AND THE QUARTERLY MEETING TO REVIEW THE STATUS OF THE REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP) WAS HELD AT THE BROWNS FERRY SITE AUGUST 31, 1984. THE REVIEW INCLUDED THE OVERALL STATUS OF THE RPIP, OVERALL TVA REORGANIZATION, DESIGN SERVICES, SITE SERVICES, QUALITY ASSURANCE, TRAINING, UPGRADING EXPERIENCE OF MANAGERS AND SUPERVISION, AND A REPORT OF A CONSULTANT'S STUDY ON ADMINISTRATIVE BURDEN. TVA HAS MADE IMPROVEMENTS IN THE LOOKS OF THE SITE, AND IN IMPLEMENTING TRAINING PROGRAMS TO UPGRADE EMPLOYEES' UNDERSTANDING OF THEIR RESPONSIBILITY FOR STRICT REGULATORY COMPLIANCE. WORK IS IN PROGRESS TO PROVIDE ADDITIONAL OFFICE SPACES TO ACCOMMODATE PERSONNEL THAT HAVE BEEN SELECTED TO TRANSFER FROM KNOXVILLE AND CHATTANOOGA TO THE SITE TO IMPLEMENT VARIOUS PARTS OF THE RPIP. TVA WILL NEED TO IMPLEMENT THESE RELOCATIONS AT THE EARLIEST OPPORTUNITY IN ORDER TO MEET THEIR COMMITMENTS IN THE RPIP.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY, SUCH AS DEFICIENCIES, ARE PROMPTLY IDENTIFIED AND CORRECTED. IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. THE IDENTIFICATION, CAUSE, AND CORRECTIVE ACTION TAKEN SHALL BE DOCUMENTED AND REPORTED TO APPROPRIATE LEVELS OF MANAGEMENT. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT INSPECTION AND ENFORCEMENT INFORMATION NOTICE NUMBER 79-32, SEPARATION OF ELECTRICAL CABLES FOR HIGH PRESSURE COOLANT INJECTION AND AUTOMATIC DEPRESSURIZATION SYSTEM, DATED DECEMBER 21, 1979 WAS NOT ADEQUATELY EVALUATED. THE LICENSEE IDENTIFIED DURING AN APPENDIX R (FIRE PROTECTION) REVIEW OF CABLE SEPARATION CRITERIA THAT THE HPCI AND ADS SYSTEMS DID NOT MEET DESIGN BASIS CRITERIA FOR SEPARATION. BROWNS FERRY NONCONFORMANCE REPORT BFNNEB8404R1 DATED MAY 8, 1984 IDENTIFIED THAT A SINGLE FIRE IN CERTAIN CABLE TRAY AREAS WAS A SIGNIFICANT SAFETY CONCERN DUE TO LOSS OF HIGH PRESSURE MAKEUP AND LOSS OF CAPABILITY TO DEPRESSURIZE. ADEQUATE IDENTIFICATION AND CORRECTIVE ACTION WAS NOT TAKEN BY THE LICENSEE, ALTHOUGH THE POTENTIAL BWR GENERIC PROBLEM WAS BROUGHT TO THE LICENSEE'S ATTENTION IN IEN 79-32. 10CFR50, APP B, CRIT III REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS FOR THOSE STRUCTURES, SYSTEMS, AND COMPONENTS TO WHICH THIS APPLIES ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES, AND INSTRUCTIONS. (1) CONTRARY TO THE ABOVE, THIS REQUIREMENT HAS NOT BEEN MET SINCE ORIGINAL PLANT CONSTRUCTIONS AS RELATED TO THE STANDBY A-C POWER SUPPLY AND DISTRIBUTION SYSTEM DESIGN BASIS #3 AND #10, AS IDENTIFIED IN THE FINAL SAFETY ANALYSIS REPORT SECTION 8.5. SAFETY DESIGN BASIS 3 OF SECTION 8.5 OF THE FSAR STATES, "FOR THE LONG TERM (GREATER THAN 10 MINUTES), THREE OF THE UNITS 1 AND 2 DIESEL-GENERATOR, PARALLELED WITH THE THREE RESPECTIVE UNIT 3 DIESEL GENERATORS, SHALL BE ADEQUATE TO SUPPLY ALL REQUIRED LOADS FOR THE SAFE SHUTDOWN AND COOLDOWN OF ALL THREE UNITS IN THE EVENT OF LOSS OF OFFSITE POWER AND A DESIGN BASIS ACCIDENT IN ANY ONE UNIT." ALL LONG-TERM ANALYSES FOR THE DIESEL GENERATORS HAVE BEEN BASED UPON PARALLELING THE UNITS 1 AND 2 DIESEL GENERATORS WITH THE UNIT 3 DIESEL GENERATORS. HOWEVER, THE OPERATIONAL MODE SWITCH USED TO MODIFY THE FUNCTION OF THE ENGINE GOVERNOR AND THE VOLTAGE REGULATOR FOR PARALLELED OPERATION IS INHIBITED FROM WORKING IN PARALLEL WITH UNIT OR SYSTEM MODE IF AN ACCIDENT SIGNAL IS PRESENT. OPERATION OF THE DIESEL-GENERATORS IN PARALLEL WITH THE MODE CONTROL SWITCH IN "SINGLE UNIT" MODE OF OPERATION WAS ANALYZED IN RESPONSE TO AEC QUESTION 8.11, DTD 3/25/71. THE RESPONSE WAS THAT FAILURE OF ONE DIESEL OF THE PARALLELED PAIR COULD OCCUR DUE TO A VAR LOADING MISMATCH. FAILURE 6 OF THE VOLTAGE REGULATOR ANALYSIS STATES THAT THIS FAILURE IS NOT APPLICABLE WITH AN ACCIDENT SIGNAL PRESENT SINCE THE MODE SWITCH CAN ONLY OPERATE IN THE "SINGLE UNIT" MODE.

ENFORCEMENT SUMMARY

CONSIDERING THE COMMON MODE FAILURE OF TRIPPING 4 DIESELS DUE TO VAR LOADING MISMATCH WITH THE DIESEL GENERATORS PARALLELED AND WITHOUT THE AID OF THE MODE CONTROL SWITCH IN ONE OF THE PARALLEL MODES, SBD 3 CANNOT BE MET. IN ADDITION, THERE IS NO DOCUMENTED EVIDENCE THE DIESEL GENERATORS CAN HANDLE THE LONG-TERM LOAD REQUIREMENTS FOR A LOSS OF OFFSITE POWER AND DESIGN BASIS ACCIDENT WITHOUT PARALLELING THE DIESEL GENERATORS.
 (8420 3)

TECHNICAL SPECIFICATION SECTION 6.3.A.10 REQUIRES THAT DETAILED FIRE PROTECTION AND PREVENTION PROCEDURES BE PREPARED, APPROVED, AND ADHERED TO. MECHANICAL MAINTENANCE INSTRUCTION (MMI) 122 IMPLEMENTS A HIGH PRESSURE FIRE PROTECTION SYSTEM FLUSH AND AND STRAINER INSPECTION AND CLEANING PROGRAM TO ASSURE FIRE PROTECTION SYSTEM OPERABILITY. CONTRARY TO THE ABOVE, THE STRAINERS FOR A NUMBER OF FIRE PROTECTION SYSTEMS, SUCH AS THE SPRINKLER SYSTEMS FOR THE CABLE SPREADING ROOMS, VITAL BATTERY ROOMS, AND INTAKE PUMPING STRUCTURE, WERE NOT INCLUDED IN PROCEDURE MMI 122 TO ASSURE THAT THESE STRAINERS WERE PROPERLY FLUSHED, INSPECTED, AND CLEANED UNDER AND APPROVED PROCEDURE. TECHNICAL SPECIFICATION SECTION 6.3.A.10 REQUIRES THAT DETAILED FIRE PROTECTION AND PREVENTION PROCEDURES BE PREPARED, APPROVED, AND ADHERED TO. STANDARD PRACTICE PROCEDURE BF 14.47, FIRE TRAINING, IMPLEMENTS THE FIRE BRIGADE MEMBER QUALIFICATION AND TRAINING REQUIREMENTS. CONTRARY TO THE ABOVE, THE FIRE BRIGADE QUALIFICATION AND TRAINING REQUIREMENTS WERE NOT MET IN THAT: (A) ALL FIRE BRIGADE LEADERS AND MEMBERS HAD NOT RECEIVED A MEDICAL EVALUATION FOR PERFORMING STRENUOUS ACTIVITIES WITHIN THE PAST 12 MONTHS AS REQUIRED BY PROCEDURE 14.47. (B) ALL BRIGADE MEMBERS HAD NOT PARTICIPATED IN REGULAR PLANNED MEETINGS EVERY THREE MONTHS TO REVIEW THE BASIC CONCEPTS OF THE INITIAL FIRE BRIGADE TRAINING COURSE AS REQUIRED BY PROCEDURE BF 14.47.

(8427 4)

CONTRARY TO 10 CFR 50, CRITERION X AND II, TVA ALLOWED VISUAL MEASUREMENT OF ASME SECTION XI WELDS TO BE PERFORMED WITHOUT REQUIRING SECOND PARTY VERIFICATION AND CERTIFIED EXAMINERS. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, TVA DID NOT OBTAIN APPROVAL OF CHANGES IN WRITTEN FIELD INSTRUCTIONS.
 (8431 4)

TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS, FOR THE NORMAL STARTUP, OPERATION, AND SHUTDOWN OF THE REACTOR AND OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY BE PREPARED, APPROVED AND ADHERED TO. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT RESIDUAL HEAT REMOVAL (RHR) HEAT EXCHANGER 'B' OUTLET VALVE 2-74-33 WAS FOUND NOT LOCKED AS REQUIRED BY OPERATING INSTRUCTION OI-74. A FOLLOW UP AUDIT CONDUCTED BY THE LICENSEE FOUND THE FOLLOWING VALVES NOT LOCKED AS REQUIRED BY PLANT OPERATING INSTRUCTIONS: VALVE UNLOCKED - 2-67-603 RHR B SEAL HEAT EXCHANGER THROTTLING VALVE, REQUIRED BY - OI-67; VALVE UNLOCKED - 1-74-722 SUPPRESSION POOL DRAIN, REQUIRED BY - OI-74; VALVE UNLOCKED - 2-74-22 HEAT EXCHANGER C OUTLET, REQUIRED BY - OI-74; VALVE UNLOCKED - 2-74-575A HEAT EXCHANGER A SHELL DRAIN, REQUIRED BY - OI-74; VALVE UNLOCKED - 2-769 CONDENSATE STORAGE TANK 4 OUTLET, REQUIRED BY - OI-2; VALVE UNLOCKED - 2-770 CONDENSATE STORAGE TANK 5 OUTLET, REQUIRED BY - OI-2; VALVE UNLOCKED - 2-766 CONDENSATE STORAGE TANK 4 & 5 TIE INTO UNIT 3, REQUIRED BY OI-2; VALVE UNLOCKED - 1-32-305B AIR COMPRESSOR B VENT BYPASS TO AIR COMPRESSOR, REQUIRED BY - OI-32/32A; VALVE UNLOCKED - 1-32-2520 B SUCTION ISOLATION VALVE TO CONTAINMENT X-50, REQUIRED BY - OI-32/32A.
 (8433 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period SEP 1984

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

* BROWNS FERRY 1 *

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

THE OFFICE OF POWER AND OFFICE OF ENGINEERING, DESIGN AND CONSTRUCTION WERE COMBINED TO FORM THE OFFICE OF POWER AND ENGINEERING, H. G. PARRIS, MANAGER. A SEPARATE OFFICE OF NUCLEAR POWER WAS ESTABLISHED WITH J. P. DARLING, MANAGER, J. P. COFFEY WAS ASSIGNED AS SITE DIRECTOR, BROWNS FERRY REPORTING TO J. P. DARLING.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 30, 1984 +

INSPECTION REPORT NO: 50-259/84-36 +

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
84-012	02/14/84	08/28/84	SHUTDOWN COOLING SYSTEM NOT AVAILABLE DUE TO VALVE FAILURE TO OPEN RHR VALVE ON UNIT 1 FAILED TO OPEN.
84-029	07/20/84	08/17/84	ASME SECTION XI PUMP PRESSURE CRITERIA WAS NOT MET FOR FOUR RESIDUAL HEAT REMOVAL SERVICE WATER RHRSW PUMPS. THIS WAS CAUSED BY PERSONNEL ERROR.
84-031	07/27/84	08/21/84	REDUNDANT EQUIPMENT NOT PUNCTUALLY PROVEN OPERABLE WHEN D1 RESIDUAL HEAT REMOVAL SERVICE WATER PUMP WAS DECLARED INOPERABLE.

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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: 09/01/84 Outage + On-line Hrs: 720.0

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

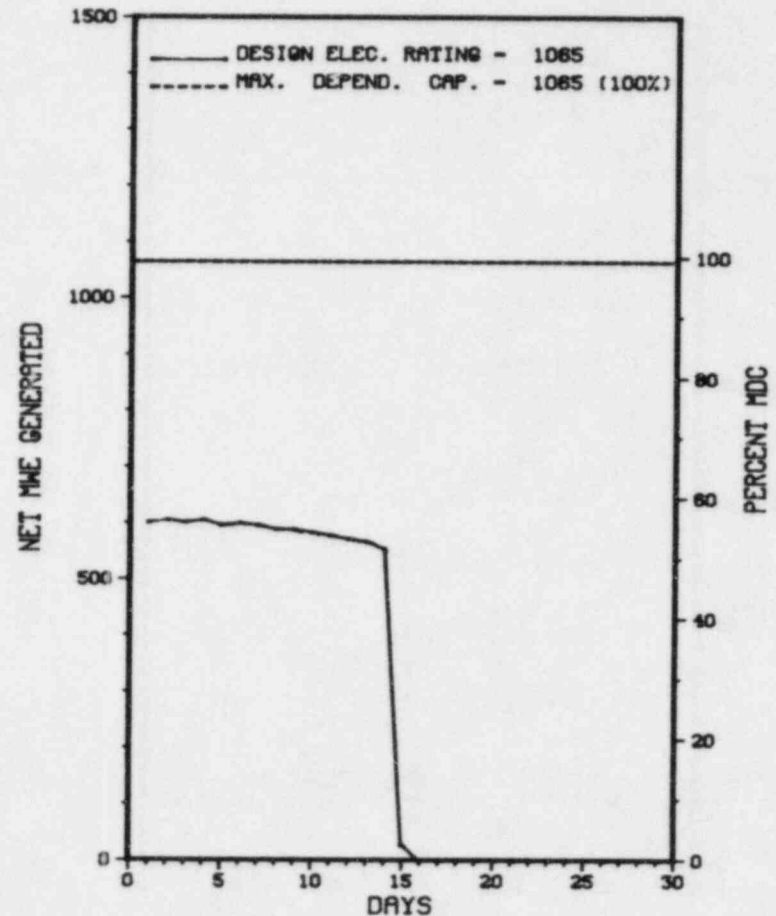
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>84,048.0</u>
13. Hours Reactor Critical	<u>340.9</u>	<u>5,825.7</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>300.1</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>340.9</u>	<u>5,845.5</u>	<u>54,338.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>665,357</u>	<u>13,100,122</u>	<u>153,245,167</u>
18. Gross Elec Ener (MWH)	<u>206,930</u>	<u>4,174,510</u>	<u>50,771,798</u>
19. Net Elec Ener (MWH)	<u>194,862</u>	<u>4,044,370</u>	<u>49,302,973</u>
20. Unit Service Factor	<u>47.3</u>	<u>88.9</u>	<u>64.7</u>
21. Unit Avail Factor	<u>47.3</u>	<u>88.9</u>	<u>64.7</u>
22. Unit Cap Factor (MDC Net)	<u>25.4</u>	<u>57.8</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>25.4</u>	<u>57.8</u>	<u>55.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.1</u>	<u>23.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>249.4</u>	<u>16,304.4</u>

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

27. If Currently Shutdown Estimated Startup Date: 04/01/85

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
305	09/15/84	S	379.1	C	4			EOC-5 REFUEL OUTAGE (CONTROLLED SHUTDOWN 9/15/84).

***** BROWNS FERRY 2 ENTERED REFUELING ON SEPTEMBER 15TH.
* 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)

 * BROWNS FERRY 2 *

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

Report Period SEP 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 APRIL 26 - MAY 25 (84-20): THIS ROUTINE INSPECTION INVOLVED 47 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT DESIGN, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, MAINTENANCE, AND SURVEILLANCE. OF THE SIX AREAS INSPECTED, THERE WERE TWO VIOLATIONS IDENTIFIED. A VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION III AND A VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION XVI; BOTH DISCUSSED IN PARAGRAPH 10.

INSPECTION JULY 16-20 AND JULY 24-26 (84-24): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 58 INSPECTOR-HOURS IN THE AREAS OF BROWNS FERRY AND SEQUOYAH PLANT TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED AT THE BROWNS FERRY NUCLEAR PLANT AND ONE VIOLATION WAS IDENTIFIED AT THE SEQUOYAH NUCLEAR PLANT.

INSPECTION AUGUST 22-24 (84-31): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREA OF REPORTED CONCERNS INVOLVING SUBSTANDARD WELDING AND INSPECTION PRACTICES ON THE RECIRCULATION SYSTEM SWEEPNET OVERLAY REPAIR WELDS UNIT 1. OF THE AREA INSPECTED, TWO APPARENT VIOLATIONS WERE FOUND: VIOLATION - FAILURE TO ESTABLISH QC HOLD POINTS AND TO USE QUALIFIED VISUAL EXAMINERS FOR PERFORMING DIMENSIONAL VERIFICATION ON CRITICAL SYSTEMS, STRUCTURES AND COMPONENTS; AND VIOLATION - QUALITY ASSURANCE BREAKDOWN IN WORK PERFORMED ON UNIT 1 OVERLAY REPAIR WELDS. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20-23 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT ITEMS AND PLANT TOUR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 28 - AUGUST 25 (84-33): THIS ROUTINE INSPECTION INVOLVED 20 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL
 PAGE 2-028

INSPECTION SUMMARY

SAFETY, MAINTENANCE OBSERVATION, AND REPORTABLE OCCURRENCES. VIOLATION - ONE VIOLATION OF TS 6.3.A FOR FAILURE TO MAINTAIN LOCKED VALVES.

ENFORCEMENT CONFERENCE AUGUST 30 (84-35): AN ENFORCEMENT CONFERENCE WAS HELD AT THE BROWNS FERRY SITE TO REVIEW VIOLATIONS RELATING TO INOPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER (RHRSW) PUMPS. FOUR OF THE EIGHT RHRSW PUMPS WERE DECLARED INOPERABLE WHILE CONDUCTING SURVEILLANCE TESTING, AND TWO OTHER PUMPS WERE INOPERABLE BECAUSE THEIR EMERGENCY DIESEL POWER SUPPLY WAS INOPERABLE. WITH UNITS 1 AND 2 OPERATING AND UNIT 3 DEFUELED, A MINIMUM OF FOUR RHRSW PUMPS WERE REQUIRED TO BE OPERABLE. ESSENTIAL CONTROL VALVE 23-57 WAS NOT DEMONSTRATED OPERABLE WHEN RHRSW PUMPS SUPPLYING STANDBY COOLING WERE DETERMINED TO BE INOPERABLE. THE BASIC CAUSE OF THE VIOLATION WAS THE FAILURE TO USE AN EXISTING PROCEDURE TO EVALUATE THE STATUS OF REQUIRED EMERGENCY EQUIPMENT WHEN ONE OF THE DIESEL GENERATORS ON RHRSW PUMPS IS INOPERABLE, AND UNCLEAR OR CONFLICTING TECHNICAL SPECIFICATIONS AND PROCEDURES. NRC EMPHASIZED THE NEED FOR GOOD PROCEDURES AND TECHNICAL SPECIFICATIONS, AND THE NEED FOR STRICT COMPLIANCE WITH PROCEDURES.

SITE TOUR AUGUST 30 (84-36): A SITE TOUR WAS CONDUCTED FOR NRC REPRESENTATIVES, AND THE QUARTERLY MEETING TO REVIEW THE STATUS OF THE REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP) WAS HELD AT THE BROWNS FERRY SITE AUGUST 31, 1984. THE REVIEW INCLUDED THE OVERALL STATUS OF THE RPIP, OVERALL TVA REORGANIZATION, DESIGN SERVICES, SITE SERVICES, QUALITY ASSURANCE, TRAINING, UPGRADING EXPERIENCE OF MANAGERS AND SUPERVISION, AND A REPORT OF A CONSULTANT'S STUDY ON ADMINISTRATIVE BURDEN. TVA HAS MADE IMPROVEMENTS IN THE LOOKS OF THE SITE, AND IN IMPLEMENTING TRAINING PROGRAMS TO UPGRADE EMPLOYEES' UNDERSTANDING OF THEIR RESPONSIBILITY FOR STRICT REGULATORY COMPLIANCE. WORK IS IN PROGRESS TO PROVIDE ADDITIONAL OFFICE SPACES TO ACCOMMODATE PERSONNEL THAT HAVE BEEN SELECTED TO TRANSFER FROM KNOXVILLE AND CHATTANOOGA TO THE SITE TO IMPLEMENT VARIOUS PARTS OF THE RPIP. TVA WILL NEED TO IMPLEMENT THESE RELOCATIONS AT THE EARLIEST OPPORTUNITY IN ORDER TO MEET THEIR COMMITMENTS IN THE RPIP.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY, SUCH AS DEFICIENCIES, ARE PROMPTLY IDENTIFIED AND CORRECTED. IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. THE IDENTIFICATION, CAUSE, AND CORRECTIVE ACTION TAKEN SHALL BE DOCUMENTED AND REPORTED TO APPROPRIATE LEVELS OF MANAGEMENT. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT INSPECTION AND ENFORCEMENT INFORMATION NOTICE NUMBER 79-32, SEPARATION OF ELECTRICAL CABLES FOR HIGH PRESSURE COOLANT INJECTION AND AUTOMATIC DEPRESSURIZATION SYSTEM, DATED DECEMBER 21, 1979 WAS NOT ADEQUATELY EVALUATED. THE LICENSEE IDENTIFIED DURING AN APPENDIX R (FIRE PROTECTION) REVIEW OF CABLE SEPARATION CRITERIA THAT THE HPCI AND ADS SYSTEMS DID NOT MEET DESIGN BASIS CRITERIA FOR SEPARATION. BROWNS FERRY NONCONFORMANCE REPORT BFNNEB8404R1 DATED MAY 8, 1984 IDENTIFIED THAT A SINGLE FIRE IN CERTAIN CABLE TRAY AREAS WAS A SIGNIFICANT SAFETY CONCERN DUE TO LOSS OF HIGH PRESSURE MAKEUP AND LOSS OF CAPABILITY TO DEPRESSURIZE. ADEQUATE IDENTIFICATION AND CORRECTIVE ACTION WAS NOT TAKEN BY THE LICENSEE, ALTHOUGH THE POTENTIAL BWR GENERIC PROBLEM WAS BROUGHT TO THE LICENSEE'S ATTENTION IN IEN 79-32. 10CFR50, APP B, CRIT III REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS FOR THOSE STRUCTURES, SYSTEMS, AND COMPONENTS TO WHICH THIS APP. APPLIES ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES, AND INSTRUCTIONS. (1) CONTRARY TO THE ABOVE, THIS REQUIREMENT HAS NOT BEEN MET SINCE ORIGINAL PLANT CONSTRUCTIONS AS RELATED TO THE STANDBY A-C POWER SUPPLY AND DISTRIBUTION SYSTEM DESIGN BASIS #3 AND #10, AS IDENTIFIED IN THE FINAL SAFETY ANALYSIS REPORT SECTION 8.5. SAFETY DESIGN BASIS 3 OF SECTION 8.5 OF THE FSAR STATES, "FOR THE LONG TERM (GREATER THAN 10 MINUTES), THREE OF THE UNITS 1 AND 2 DIESEL-GENERATOR, PARALLELED WITH THE THREE RESPECTIVE UNIT 3 DIESEL GENERATORS, SHALL BE ADEQUATE TO SUPPLY ALL REQUIRED LOADS FOR THE SAFE SHUTDOWN AND COOLDOWN OF ALL THREE UNITS IN THE EVENT OF LOSS OF OFFSITE POWER AND A DESIGN BASIS ACCIDENT IN ANY ONE UNIT." ALL LONG-TERM ANALYSES FOR THE DIESEL GENERATORS HAVE BEEN BASED UPON PARALLELING THE UNITS 1 AND 2 DIESEL GENERATORS WITH THE UNIT 3 DIESEL GENERATORS. HOWEVER, THE OPERATIONAL MODE SWITCH USED TO MODIFY THE FUNCTION OF THE ENGINE GOVERNOR AND THE VOLTAGE REGULATOR FOR PARALLELED OPERATION IS INHIBITED FROM WORKING IN PARALLEL WITH UNIT OR SYSTEM MODE IF AN ACCIDENT SIGNAL IS PRESENT. OPERATION OF THE DIESEL-GENERATORS IN PARALLEL WITH THE MODE CONTROL SWITCH IN "SINGLE UNIT" MODE OF OPERATION WAS ANALYZED IN RESPONSE TO AEC QUESTION 8.11, DTD 3/25/71. THE RESPONSE WAS THAT FAILURE OF ONE DIESEL OF THE PARALLELED PAIR COULD OCCUR DUE TO A VAR LOADING MISMATCH. FAILURE 6 OF THE VOLTAGE REGULATOR ANALYSIS STATES THAT THIS FAILURE IS NOT APPLICABLE WITH AN ACCIDENT SIGNAL PRESENT SINCE THE MODE SWITCH CAN ONLY OPERATE IN THE "SINGLE UNIT" MODE.

ENFORCEMENT SUMMARY

CONSIDERING THE COMMON MODE FAILURE OF TRIPPING 4 DIESELS DUE TO VAR LOADING MISMATCH WITH THE DIESEL GENERATORS PARALLELED AND WITHOUT THE AID OF THE MODE CONTROL SWITCH IN ONE OF THE PARALLEL MODES, SBD 3 CANNOT BE MET. IN ADDITION, THERE IS NO DOCUMENTED EVIDENCE THE DIESEL GENERATORS CAN HANDLE THE LONG-TERM LOAD REQUIREMENTS FOR A LOSS OF OFFSITE POWER AND DESIGN BASIS ACCIDENT WITHOUT PARALLELING THE DIESEL GENERATORS.
(8420 3)

TECHNICAL SPECIFICATION SECTION 6.3.A.10 REQUIRES THAT DETAILED FIRE PROTECTION AND PREVENTION PROCEDURES BE PREPARED, APPROVED, AND ADHERED TO. MECHANICAL MAINTENANCE INSTRUCTION (MMI) 122 IMPLEMENTS A HIGH PRESSURE FIRE PROTECTION SYSTEM FLUSH AND AND STRAINER INSPECTION AND CLEANING PROGRAM TO ASSURE FIRE PROTECTION SYSTEM OPERABILITY. CONTRARY TO THE ABOVE, THE STRAINERS FOR A NUMBER OF FIRE PROTECTION SYSTEMS, SUCH AS THE SPRINKLER SYSTEMS FOR THE CABLE SPREADING ROOMS, VITAL BATTERY ROOMS, AND INTAKE PUMPING STRUCTURE, WERE NOT INCLUDED IN PROCEDURE MMI 122 TO ASSURE THAT THESE STRAINERS WERE PROPERLY FLUSHED, INSPECTED, AND CLEANED UNDER AND APPROVED PROCEDURE. TECHNICAL SPECIFICATION SECTION 6.3.A.10 REQUIRES THAT DETAILED FIRE PROTECTION AND PREVENTION PROCEDURES BE PREPARED, APPROVED, AND ADHERED TO. STANDARD PRACTICE PROCEDURE BF 14.47, FIRE TRAINING, IMPLEMENTS THE FIRE BRIGADE MEMBER QUALIFICATION AND TRAINING REQUIREMENTS. CONTRARY TO THE ABOVE, THE FIRE BRIGADE QUALIFICATION AND TRAINING REQUIREMENTS WERE NOT MET IN THAT: (A) ALL FIRE BRIGADE LEADERS AND MEMBERS HAD NOT RECEIVED A MEDICAL EVALUATION FOR PERFORMING STRENUOUS ACTIVITIES WITHIN THE PAST 12 MONTHS AS REQUIRED BY PROCEDURE 14.47. (B) ALL BRIGADE MEMBERS HAD NOT PARTICIPATED IN REGULAR PLANNED MEETINGS EVERY THREE MONTHS TO REVIEW THE BASIC CONCEPTS OF THE INITIAL FIRE BRIGADE TRAINING COURSE AS REQUIRED BY PROCEDURE BF 14.47.

(8427 4)

TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS, FOR THE NORMAL STARTUP, OPERATION, AND SHUTDOWN OF THE REACTOR AND OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY BE PREPARED, APPROVED AND ADHERED TO. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT RESIDUAL HEAT REMOVAL (RHR) HEAT EXCHANGER 'B' OUTLET VALVE 2-74-33 WAS FOUND NOT LOCKED AS REQUIRED BY OPERATING INSTRUCTION OI-74. A FOLLOW UP AUDIT CONDUCTED BY THE LICENSEE FOUND THE FOLLOWING VALVES NOT LOCKED AS REQUIRED BY PLANT OPERATING INSTRUCTIONS: VALVE UNLOCKED - 2-67-603 RHR B SEAL HEAT EXCHANGER THROTTLING VALVE, REQUIRED BY - OI-67; VALVE UNLOCKED - 1-74-722 SUPPRESSION POOL DRAIN, REQUIRED BY - OI-74; VALVE UNLOCKED - 2-74-22 HEAT EXCHANGER C OUTLET, REQUIRED BY - OI-74; VALVE UNLOCKED - 2-74-575A HEAT EXCHANGER A SHELL DRAIN, REQUIRED BY - OI-74; VALVE UNLOCKED - 2-769 CONDENSATE STORAGE TANK 4 OUTLET, REQUIRED BY - OI-2; VALVE UNLOCKED - 2-770 CONDENSATE STORAGE TANK 5 OUTLET, REQUIRED BY - OI-2; VALVE UNLOCKED - 2-766 CONDENSATE STORAGE TANK 4 & 5 TIE INTO UNIT 3, REQUIRED BY OI-2; VALVE UNLOCKED - 1-32-305B AIR COMPRESSOR B VENT BYPASS TO AIR COMPRESSOR, REQUIRED BY - OI-32/32A; VALVE UNLOCKED - 1-32-2520 B SUCTION ISOLATION VALVE TO CONTAINMENT X-50, REQUIRED BY - OI-32/32A.
(8433 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

THE OFFICE OF POWER AND OFFICE OF ENGINEERING, DESIGN AND CONSTRUCTION WERE COMBINED TO FORM THE OFFICE OF POWER AND ENGINEERING, H. G. PARRIS, MANAGER. A SEPARATE OFFICE OF NUCLEAR POWER WAS ESTABLISHED WITH J. P. DARLING, MANAGER, J. P. COFFEY WAS ASSIGNED

Report Period SEP 1984

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

* BROWNS FERRY 2 *

OTHER ITEMS

AS SITE DIRECTOR, BROWNS FERRY REPORTING TO J. P. DARLING.

PLANT STATUS:

+ SHUTDOWN ON SEPTEMBER 15, 1984 FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: AUGUST 30, 1984 +

INSPECTION REPORT NO: 50-260/84-36 +

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

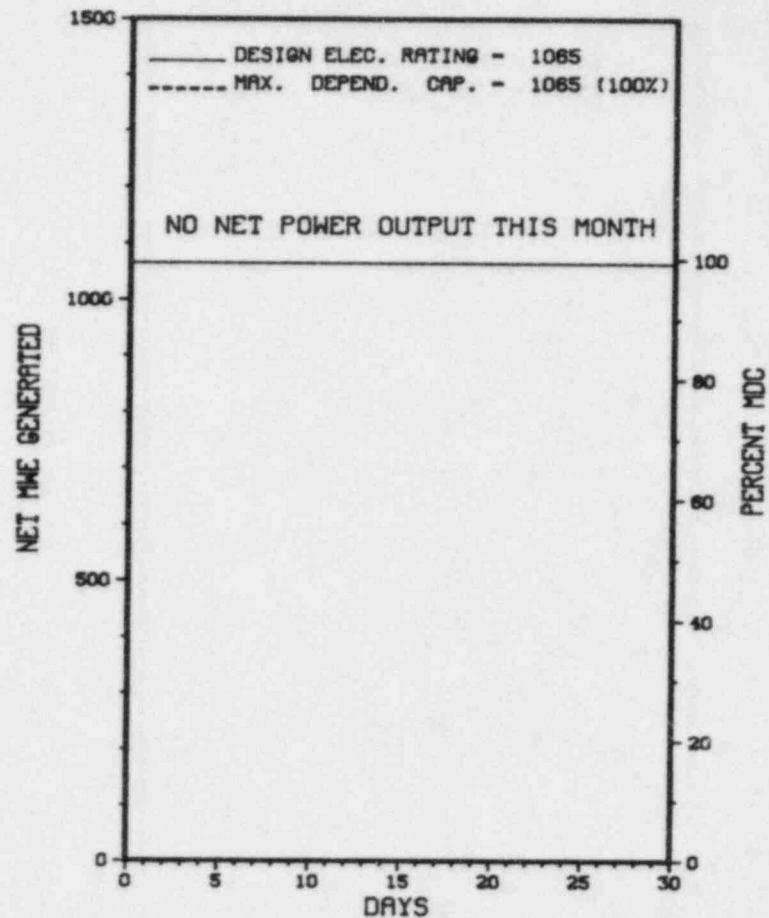
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>66,503.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>43,088.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,878.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>42,194.5</u>
16. Unit Reserve Shtdwn Hrs	<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>63.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>57.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>57.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,091.4</u>

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

27. If Currently Shutdown Estimated Startup Date: 11/20/84

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 3



SEPTEMBER 1984

Report Period SEP 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	720.0	C	4				EOC-5 REFUEL OUTAGE CONTINUES (CONTROLLED SHUTDOWN 9/7/83).

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

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

* BROWNS FERRY 3 *

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

Report Period SEP 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 APRIL 26 - MAY 25 (84-20): THIS ROUTINE INSPECTION INVOLVED 46 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT DESIGN, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, MAINTENANCE, AND SURVEILLANCE. OF THE SIX AREAS INSPECTED, THERE WERE TWO VIOLATIONS IDENTIFIED. A VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION III AND A VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION XVI; BOTH DISCUSSED IN PARAGRAPH 10.

INSPECTION JULY 16-20 AND JULY 24-26 (84-24): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 58 INSPECTOR-HOURS IN THE AREAS OF BROWNS FERRY AND SEQUOYAH PLANT TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED AT THE BROWNS FERRY NUCLEAR PLANT AND ONE VIOLATION WAS IDENTIFIED AT THE SEQUOYAH NUCLEAR PLANT.

INSPECTION AUGUST 22-24 (84-31): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS ON SITE IN THE AREA OF REPORTED CONCERNS INVOLVING SUBSTANDARD WELDING AND INSPECTION PRACTICES ON THE RECIRCULATION SYSTEM SWEEPolet OVERLAY REPAIR WELDS UNIT 1. OF THE AREA INSPECTED, TWO APPARENT VIOLATIONS WERE FOUND; VIOLATION - FAILURE TO ESTABLISH QC HOLD POINTS AND TO USE QUALIFIED VISUAL EXAMINERS FOR PERFORMING DIMENSIONAL VERIFICATION ON CRITICAL SYSTEMS, STRUCTURES AND COMPONENTS; AND VIOLATION - QUALITY ASSURANCE BREAKDOWN IN WORK PERFORMED ON UNIT 1 OVERLAY REPAIR WELDS. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20-23 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON PREVIOUS ENFORCEMENT ITEMS AND PLANT TOUR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 28 - AUGUST 25 (84-33): THIS ROUTINE INSPECTION INVOLVED 20 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL

Report Period SEP 1984

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

* BROWNS FERRY 3 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-007	06/16/84	08/28/84	DIESEL GENERATOR 3B WAS INADVERTENTLY STARTED. THE ROOT CAUSE WAS PERSONNEL ERROR AND PROCEDURAL DEFICIENCY.
84-008	07/27/84	08/21/84	ALL 8 DIESEL GENERATORS STATED DURING THE PERFORMANCE OF THE CORE SPRAY LOGIC FUNCTIONAL TEST. THE BASIC CAUSE FOR THE MISINTERPRETATION WAS PROCEDURAL DEFICIENCY.

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1. Docket: 50-325 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>66,096.0</u>
13. Hours Reactor Critical	<u>584.8</u>	<u>5,818.2</u>	<u>42,216.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>551.2</u>	<u>5,652.0</u>	<u>39,740.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,156,675</u>	<u>13,027,212</u>	<u>81,454,498</u>
18. Gross Elec Ener (MWH)	<u>401,745</u>	<u>4,352,631</u>	<u>26,899,679</u>
19. Net Elec Ener (MWH)	<u>388,170</u>	<u>4,224,331</u>	<u>25,838,162</u>
20. Unit Service Factor	<u>76.6</u>	<u>86.0</u>	<u>60.1</u>
21. Unit Avail Factor	<u>76.6</u>	<u>86.0</u>	<u>60.1</u>
22. Unit Cap Factor (MDC Net)	<u>68.2</u>	<u>81.3</u>	<u>49.5</u>
23. Unit Cap Factor (DER Net)	<u>65.7</u>	<u>78.3</u>	<u>47.6</u>
24. Unit Forced Outage Rate	<u>23.4</u>	<u>11.7</u>	<u>19.7</u>
25. Forced Outage Hours	<u>168.8</u>	<u>747.8</u>	<u>9,667.0</u>

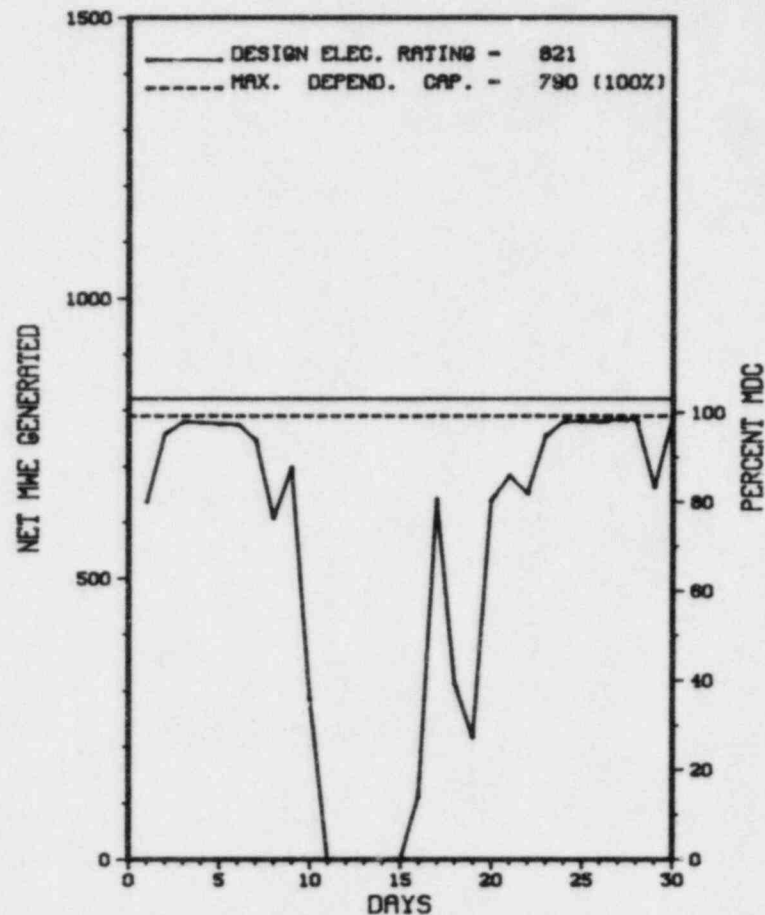
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

LOCAL LEAK RATE TESTING: 10/31/84 - 6 WEEKS.

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

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-069	09/07/84	S	0.0	B	5				CONTROL ROD IMPROVEMENT.
84-071	09/10/84	F	147.6	H	3				REACTOR SCRAM - LIGHTNING (HURRICANE).
84-073	09/18/84	F	21.2	A	3				REACTOR SCRAM - TSV FAST CLOSURE.
84-075	09/21/84	S	0.0	B	5				ROD SHUFFLE.
84-077	09/28/84	S	0.0	B	5				ROD IMPROVEMENT AND TURBINE VALVE TESTING.

 * SUMMARY *

 BRUNSWICK 1 OPERATED ROUTINELY DURING SEPTEMBER.

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

 * BRUNSWICK 1 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION JULY 9-13 (84-17): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 33 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PREPAREDNESS. VIOLATIONS - (1) FAILURE TO RENEW LETTERS OF AGREEMENT WITH SOME OF THE OFFSITE SUPPORT GROUPS; (2) FAILURE OF PROCEDURES TO UNAMBIGUOUSLY PROVIDE FOR THE PROMPT ISSUANCE OF THE MINIMUM PROTECTIVE ACTION RECOMMENDATION FOR A GENERAL EMERGENCY. NO DEVIATIONS.

INSPECTION AUGUST 13-15 AND 18 (84-24): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREA OF SIZING OF PREVIOUSLY IDENTIFIED CRACK INDICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20-23 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE GASEOUS AND LIQUID WASTE PROCESSING AND EFFLUENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 21-24 AND SEPTEMBER 13 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS AT THE BRUNSWICK SITE IN THE AREAS OF TRAINING AND QUALIFICATION, EXTERNAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY, INTERNAL EXPOSURE CONTROL, SURVEYS, MONITORING, AND CONTROL OF RADIOACTIVE MATERIAL, SOLID WASTE AND INSPECTOR FOLLOWUP ITEMS. AN ADDITIONAL 6 INSPECTOR HOURS AT THE HARRIS ENVIRONMENTAL AND ENERGY CENTER (HEEC) INVOLVED THE PERSONNEL THERMOLUMINESCENT DOSIMETER (TLD) QUALITY CONTROL (QC) PROGRAM ADMINISTERED BY THE HEEC FOR ALL CP&L TLD USERS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 5-7 (84-29): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM, FLOOD PROTECTION SURVEILLANCE PROCEDURES, RESULTS OF SURVEILLANCE TESTS PERFORMED ON UNIT 2 EXCESS
 PAGE 2-040

Report Period SEP 1984

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

* BRUNSWICK 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-012	07/28/84	08/27/84	AUTOMATIC ACTUATION OF CONTROL BLDG EMERGENCY AIR FILTRATION TRAIN A RESULTED FROM A FAILURE OF THE HIGH VOLTAGE TRANSFORMER.
84-014	08/01/84	08/31/84	A UNIT 1 AUTOMATIC REACTOR SCRAM OCCURRED DUE TO A REACTOR AVERAGE POWER RANGE MONITOR UPSCALE TRIP DUE TO ELECTRONIC KEYING OF TWO-WAY RADIOS.
84-016	08/07/84	09/05/84	LOSS OF PLANT EMERGENCY 4160 VAC BUS E-3 FEEDER BREAKER 2D TRIPPED AS A RESULT OF A DESIGN MISAPPLICATION OF THE DEGRADED VOLTAGE RELAY DEVICES OF E-3.

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1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

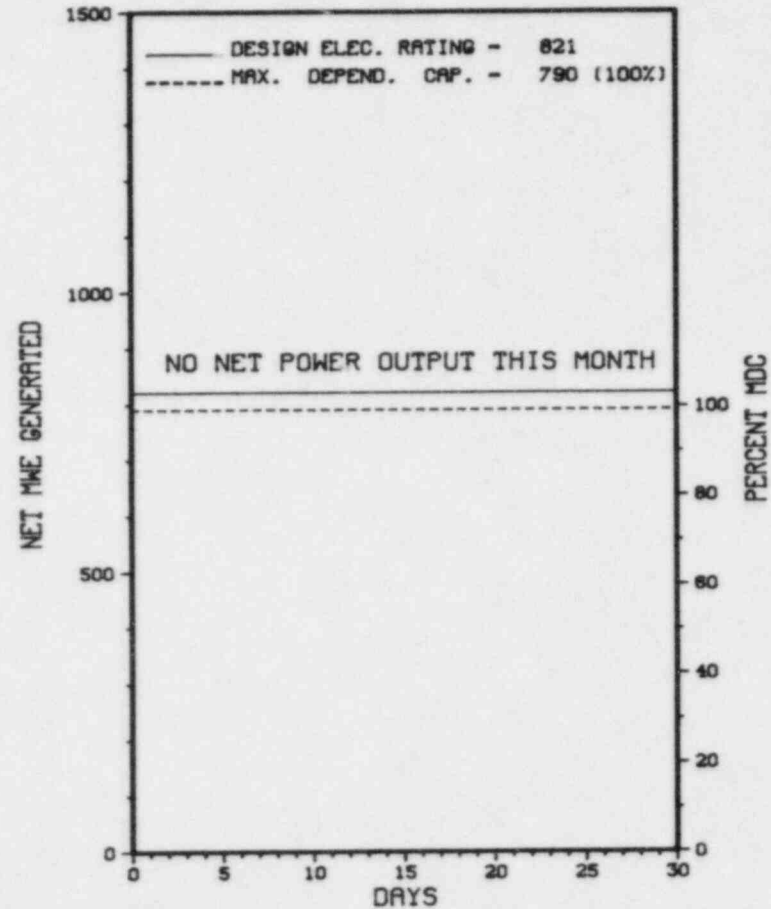
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>78,120.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,604.3</u>	<u>46,331.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,566.9</u>	<u>43,352.5</u>
16. Unit Reserve Shtdwn 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>-7,196</u>	<u>1,041,333</u>	<u>26,068,951</u>
20. Unit Service Factor	<u>.0</u>	<u>23.8</u>	<u>55.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>23.8</u>	<u>55.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>20.0</u>	<u>42.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>19.3</u>	<u>40.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>17.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>35.5</u>	<u>9,638.9</u>

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

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

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 2 *

<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 & Corrective Action to Prevent Recurrence</u>
84-020	03/12/84	S	720.0	C	4		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

BRUNSWICK 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	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		

* BRUNSWICK 2 *

FACILITY DATA

Report Period SEP 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 JULY 9-13 (84-17): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PREPAREDNESS. VIOLATIONS - (1) FAILURE TO RENEW LETTERS OF AGREEMENT WITH SOME OF THE OFFSITE SUPPORT GROUPS; (2) FAILURE OF PROCEDURES TO UNAMBIGUOUSLY PROVIDE FOR THE PROMPT ISSUANCE OF THE MINIMUM PROTECTIVE ACTION RECOMMENDATION FOR A GENERAL EMERGENCY. NO DEVIATIONS.

INSPECTION AUGUST 13-15 AND 18 (84-24): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREA OF SIZING OF PREVIOUSLY IDENTIFIED CRACK INDICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20-23 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE GASEOUS AND LIQUID WASTE PROCESSING AND EFFLUENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 21-24 AND SEPTEMBER 13 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS AT THE BRUNSWICK SITE IN THE AREAS OF TRAINING AND QUALIFICATION, EXTERNAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY, INTERNAL EXPOSURE CONTROL, SURVEYS, MONITORING, AND CONTROL OF RADIOACTIVE MATERIAL, SOLID WASTE AND INSPECTOR FOLLOWUP ITEMS. AN ADDITIONAL 6 INSPECTOR HOURS AT THE HARRIS ENVIRONMENTAL AND ENERGY CENTER (HEEC) INVOLVED THE PERSONNEL THERMOLUMINESCENT DOSIMETER (TLD) QUALITY CONTROL (QC) PROGRAM ADMINISTERED BY THE HEEC FOR ALL CP&L TLD USERS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 5-7 (84-29): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM, FLOOD PROTECTION SURVEILLANCE PROCEDURES, RESULTS OF SURVEILLANCE TESTS PERFORMED ON UNIT 2 EXCESS
PAGE 2-046

INSPECTION SUMMARY

FLOW CHECK VALVES, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) REQUIRES A LICENSEE TO FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE REQUIREMENTS OF APPENDIX E TO 10 CFR PART 50 AND THE PLANNING STANDARDS OF 50.47(B). SECTION (B)(10) OF 10 CFR 50.47 REQUIRES THAT THE LICENSEE'S EMERGENCY PLANS INCLUDE A RANGE OF PROTECTIVE ACTIONS, CONSISTENT WITH FEDERAL GUIDANCE, FOR THE PLUME EXPOSURE PATHWAY EPZ FOR EMERGENCY WORKERS AND THE PUBLIC. THE FEDERAL GUIDANCE ON PROTECTIVE ACTIONS TO BE RECOMMENDED TO OFFSITE OFFICIALS IS FOUND IN APPENDIX 1 OF NUREG-0654/FEMA-REP-1, REV. 1, ENTITLED "CRITERIA FOR PREPARATION AND EVALUATION OF RADIOLOGICAL EMERGENCY RESPONSE PLANS AND PREPAREDNESS IN SUPPORT OF NUCLEAR POWER PLANTS". THIS GUIDANCE IS CLARIFIED BY IE INFORMATION NOTICE NO. 83-28, "CRITERIA FOR PROTECTIVE ACTION RECOMMENDATIONS FOR GENERAL EMERGENCIES". CONTRARY TO THE ABOVE, THE LICENSEE'S IMPLEMENTING PROCEDURES DO NOT UNAMBIGUOUSLY DIRECT THE SITE EMERGENCY COORDINATOR TO PROMPTLY PROVIDE OFFSITE AUTHORITIES WITH AN APPROPRIATE PROTECTIVE ACTION RECOMMENDATION (AT MINIMUM, SHELTER 2 MILES RADIALY AND 5 MILES DOWNWIND) UPON DECLARATION OF A GENERAL EMERGENCY.
(8417 4)

10 CFR 50.54(Q) REQUIRES A LICENSEE TO FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANTS WHICH MEET CERTAIN PLANNING STANDARDS AND CRITERIA. SECTION 6.2.3 OF THE LICENSEE'S EMERGENCY RESPONSE PLAN SPECIFIES THAT AGREEMENTS WITH OFFSITE SUPPORT ORGANIZATIONS ARE TO BE REVIEWED AND UPDATED AT LEAST EVERY 2 YEARS. CONTRARY TO THE ABOVE, SEPARATE AGREEMENTS (CONTAINED IN APPENDIX B TO THE EMERGENCY RESPONSE PLAN) WITH 4 OFFSITE ORGANIZATIONS WERE FOUND TO BE MORE THAN 2 YEARS OLD.
(8417 5)

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: SEPTEMBER 5-7, 1984 +

INSPECTION REPORT NO: 50-324/84-29 +

Report Period SEP 1984

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

* BRUNSWICK 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-008	07/27/84	08/20/84	AN RPS AUTOMATIC TRIP SIGNAL ON BOTH SYSTEM LOGIC CHANNELS A AND B OCCURRED. TECHNICIANS WERE CAUTIONED TO BE EXTREMELY CAREFUL WHEN USING AIR LINE RESPIRATORS.

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1. Docket: 50-317 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1020 X 0.9 = 918

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

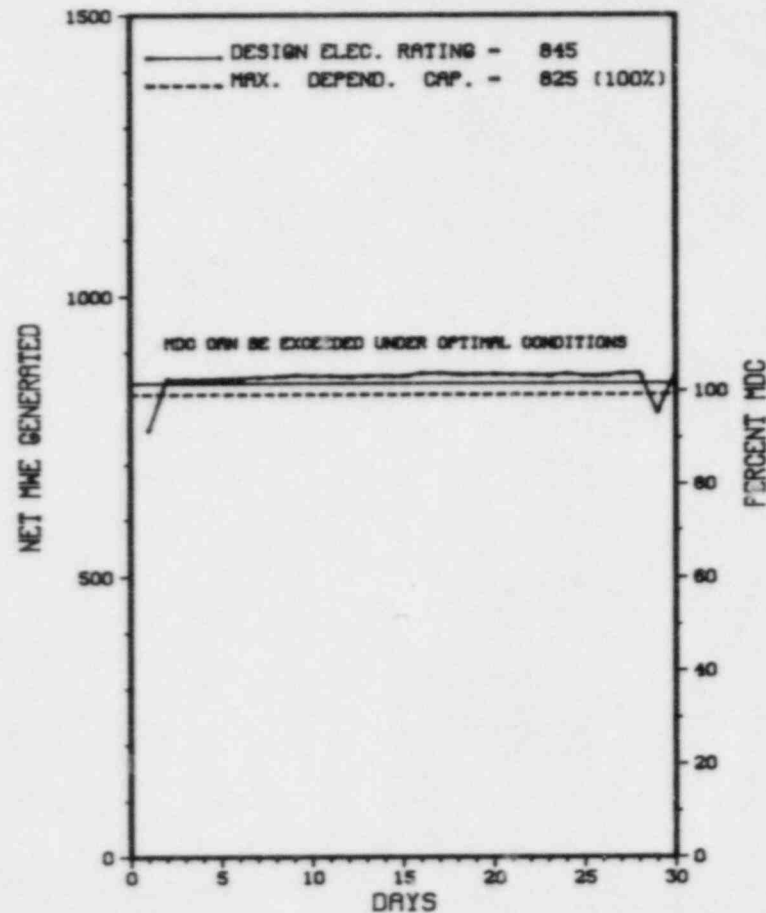
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>82,404.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,772.4</u>	<u>65,739.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,887.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,709.5</u>	<u>64,455.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,928,625</u>	<u>15,170,949</u>	<u>159,313,244</u>
18. Gross Elec Ener (MWH)	<u>640,495</u>	<u>5,107,676</u>	<u>52,535,161</u>
19. Net Elec Ener (MWH)	<u>614,007</u>	<u>4,886,270</u>	<u>50,121,236</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.8</u>	<u>78.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.8</u>	<u>78.2</u>
22. Unit Cap Factor (MDC Net)	<u>103.4</u>	<u>90.1</u>	<u>74.5*</u>
23. Unit Cap Factor (DER Net)	<u>100.9</u>	<u>87.9</u>	<u>72.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.2</u>	<u>8.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>865.5</u>	<u>5,528.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 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

* SUMMARY *

CALVERT CLIFFS 1 OPERATED WITH NO OUTAGES OR REDUCTIONS DURING SEPTEMBER.

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 SEP 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.....T. FOLEY
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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 1984

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

* CALVERT CLIFFS 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: 50-318 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: _____
NONE

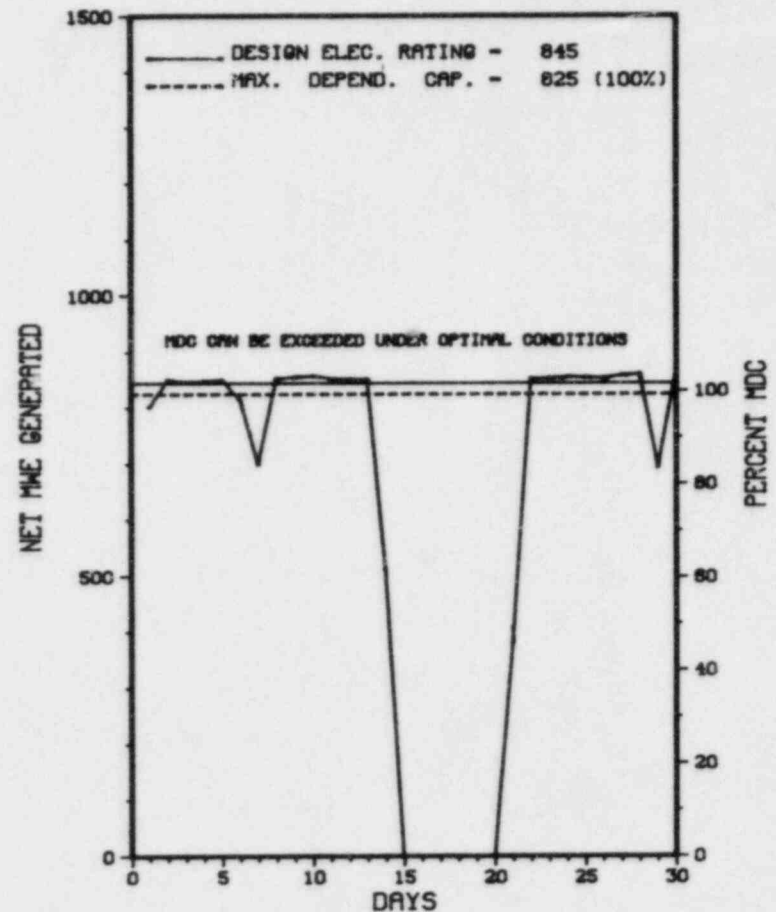
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>65,759.0</u>
13. Hours Reactor Critical	<u>566.9</u>	<u>4,431.4</u>	<u>54,359.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>958.1</u>
15. Hrs Generator On-Line	<u>563.2</u>	<u>4,319.1</u>	<u>53,434.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,460,601</u>	<u>11,150,860</u>	<u>132,992,553</u>
18. Gross Elec Ener (MWH)	<u>483,684</u>	<u>3,664,382</u>	<u>43,733,668</u>
19. Net Elec Ener (MWH)	<u>460,903</u>	<u>3,495,267</u>	<u>41,699,029</u>
20. Unit Service Factor	<u>78.2</u>	<u>65.7</u>	<u>81.3</u>
21. Unit Avail Factor	<u>78.2</u>	<u>65.7</u>	<u>81.3</u>
22. Unit Cap Factor (MDC Net)	<u>77.6</u>	<u>64.4</u>	<u>77.3*</u>
23. Unit Cap Factor (DER Net)	<u>75.8</u>	<u>62.9</u>	<u>75.0</u>
24. Unit Forced Outage Rate	<u>21.8</u>	<u>10.9</u>	<u>6.3</u>
25. Forced Outage Hours	<u>156.8</u>	<u>526.8</u>	<u>3,572.0</u>

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

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 2



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-08	09/14/84	F	156.8	A	1		RC	CRDRVE	REDUCED POWER TO LESS THAN 70% WHEN CEA (3) DROPPED INTO THE CORE. SHUTDOWN COMMENCED WHEN THE LIFT COIL FOR THE CE DRIVE MOTOR WAS FOUND SHORTED.

***** CALVERT CLIFFS 2 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.
* 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)

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
229	08/31/84	F	0.0	B	5		HH	TURBIN	THE POWER REDUCTION WHICH STARTED ON 840831 TO REPAIR THE EAST MAIN FEED PUMP TURBINE INBOARD BEARING CONTINUED UNTIL 840902 WHEN THE EAST MFPT WAS RETURNED TO SERVICE. 100% REACTOR POWER WAS REACHED ON 840904.

 * SUMMARY *

 COOK 1 OPERATED WITH 1 REDUCTION FOR MAINTENANCE DURING SEPTEMBER.

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)

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 JUNE 11, THROUGH JULY 27, (84-12): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; LICENSEE EVENT REPORTS; BULLETINS; MAINTENANCE; REFUELING; PLANT TRIP; REGIONAL REQUEST; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THIS INSPECTION INVOLVED A TOTAL OF 381 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 73 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN EIGHT AREAS; THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN ONE AREA AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (SECURING A REACTOR COOLANT PUMP WITHOUT TRIPPING THE REQUIRED BISTABLES, FAILURE TO COMPLY WITH THE ALARM RESPONSE PROCEDURE, INADEQUATE PROCEDURE FOR ESTABLISHING RECIRCULATION FLOW; TWO SAFETY INJECTION PUMPS SIMULTANEOUSLY INOPERABLE).

INSPECTION ON AUGUST 15-17 AND SEPTEMBER 5 AND 6, (84-17): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING INTERNAL AND EXTERNAL EXPOSURE CONTROL, ORGANIZATION AND STAFF QUALIFICATIONS, CONTAMINATION CONTROL, ALARA PROGRAM, ESF AIR FILTER HOUSING SYSTEMS, SELECTED TMI ACTION ITEMS, AND OPEN ITEMS. THE INSPECTION INVOLVED 60 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

UNIT 1 TECHNICAL SPECIFICATION 6.8.1.C STATES WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED FOR SURVEILLANCE

Report Period SEP 1984

REPORTS FROM LICENSEE

* COOK 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-16	08/08/84	09/06/84	AUX FEEDWATER NOT IN AUTO
84-17	08/10/84	09/06/84	ESF ACTUATION
84-18	08/14/84	09/13/84	REACTOR TRIP AND SAFETY INJECTION DUE TO LOSS OF CRID
84-19	08/18/84	09/17/84	TURBINE DRIVEN AUXILIARY FEED PUMP GOVERNOR VALVE POSITIONING
84-20	08/22/84	09/20/84	OBSTRUCTION OF FIRE DAMPERS

=====

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1. Docket: 50-316 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

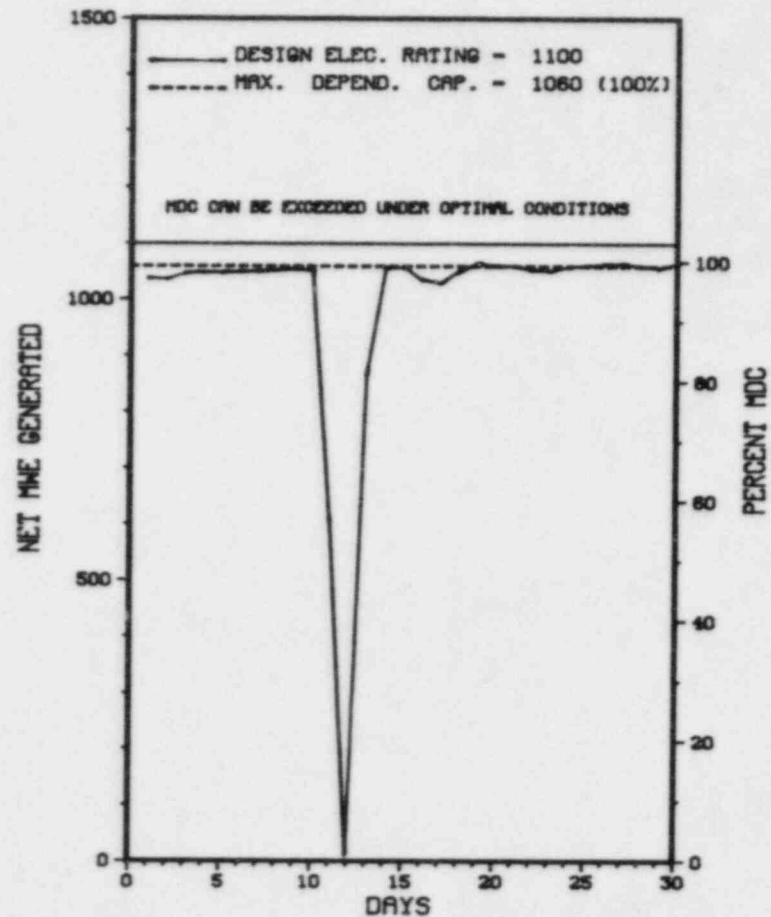
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>59,159.0</u>
13. Hours Reactor Critical	<u>700.8</u>	<u>3,582.4</u>	<u>41,367.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>691.1</u>	<u>3,496.8</u>	<u>40,297.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,325,725</u>	<u>11,489,712</u>	<u>129,942,680</u>
18. Gross Elec Ener (MWH)	<u>745,310</u>	<u>3,733,550</u>	<u>41,959,980</u>
19. Net Elec Ener (MWH)	<u>719,121</u>	<u>3,603,327</u>	<u>40,456,680</u>
20. Unit Service Factor	<u>96.0</u>	<u>53.2</u>	<u>70.9</u>
21. Unit Avail Factor	<u>96.0</u>	<u>53.2</u>	<u>70.9</u>
22. Unit Cap Factor (MDC Net)	<u>94.2</u>	<u>51.7</u>	<u>67.7</u>
23. Unit Cap Factor (DER Net)	<u>90.8</u>	<u>49.8</u>	<u>66.4</u>
24. Unit Forced Outage Rate	<u>4.0</u>	<u>3.1</u>	<u>13.0</u>
25. Forced Outage Hours	<u>28.9</u>	<u>111.8</u>	<u>5,962.7</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING & MAINTENANCE: 12/22/84 - 2 WEEKS.

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

* COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOK 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
149	09/11/84	F	16.1	A	3	84-024-00	EF	INSTRU	A REACTOR/TURBINE TRIP OCCURRED FROM 100% POWER DUE TO A FAILURE OF VITAL A.C. INSTRUMENT BUS, CRIJ III, INVERTER. THE INVERTER FAILURE WAS DUE TO A FAILED CAPACITOR, C-2. THE INVERTER WAS REPAIRED AND THE UNIT RETURNED TO SERVICE AT 0722 HOURS ON 840912.
150	09/12/84	F	12.8	G	3	84-025-00	ZZ	ZZZZZZ	AT 0733 HOURS, 11 MINUTES AFTER THE UNIT WAS PARALLELED, A TURBINE/REACTOR TRIP OCCURRED DUE TO HIGH-HIGH WATER LEVEL IN NO. 2 STEAM GENERATOR. THE HIGH STEAM GENERATOR WATER LEVEL OCCURRED DUE TO OVERFEEDING THE STEAM GENERATOR, CAUSED BY A COMBINATION OF OPERATOR ERROR AND LEVEL CONTROL PROBLEMS WHILE WITH FEEDWATER CONTROL IN MANUAL.

 * SUMMARY *

 COOK 2 OPERATED WITH 2 OUTAGES DURING SEPTEMBER.

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

* COOK 2 *

FACILITY DATA

Report Period SEP 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
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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 JUNE 11, THROUGH JULY 27, (84-14): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; LICENSEE EVENT REPORTS; BULLETINS; MAINTENANCE; REFUELING; PLANT TRIP; REGIONAL REQUEST; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THIS INSPECTION INVOLVED A TOTAL OF 381 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 73 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN EIGHT AREAS; THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN ONE AREA AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (SECURING A REACTOR COOLANT PUMP WITHOUT TRIPPING THE REQUIRED BISTABLES, FAILURE TO COMPLY WITH THE ALARM RESPONSE PROCEDURE, INADEQUATE PROCEDURE FOR ESTABLISHING RECIRCULATION FLOW; TWO SAFETY INJECTION PUMPS SIMULTANEOUSLY INOPERABLE).

INSPECTION ON AUGUST 15-17 AND SEPTEMBER 5 AND 6, (84-19): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING INTERNAL AND EXTERNAL EXPOSURE CONTROL, ORGANIZATION AND STAFF QUALIFICATIONS, CONTAMINATION CONTROL, ALARA PROGRAM, ESF AIR FILTER HOUSING SYSTEMS, SELECTED TMI ACTION ITEMS, AND OPEN ITEMS. THE INSPECTION INVOLVED 60 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

UNIT 2 TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING

ENFORCEMENT SUMMARY

THE ACTIVITIES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. THIS INCLUDES PROCEDURES FOR LOSS OF COOLANT. CONTRARY TO THE ABOVE, WITH THE UNIT IN MODE 4 AND MANUAL VALVE RH-104W CLOSED THE PROCEDURE FOR INITIATION OF EMERGENCY CORE COOLING DID NOT PROVIDE THE INSTRUCTION NECESSARY TO ESTABLISH FLOW TO THE RESIDUAL HEAT REMOVAL PUMP DURING THE RECIRCULATION PHASE OF OPERATION. UNIT 2 TECHNICAL SPECIFICATION 3.3.2.1 STATES... "THE ENGINEERED SAFETY FEATURE ACTUATION SYSTEM (ESFAS) INSTRUMENTATION CHANNELS AND INTERLOCKS SHOWN IN TABLE 3.3-3 SHALL BE OPERABLE...". TABLE 3.3-3, LINE 4C REQUIRES THAT FOR THREE LOOP OPERATION IN MODES 1, 2, AND 3, THE CHANNEL(S) ASSOCIATED WITH THE PROTECTIVE FUNCTIONS DERIVED FROM THE OUT-OF-SERVICE REACTOR COOLANT LOOP SHALL BE PLACED IN THE TRIPPED MODE. CONTRARY TO THE ABOVE ON JULY 10, 1984 AT 0240 WITH THE PLANT IN MODE 3 THE REACTOR COOLANT PUMP FOR LOOP 3 WAS SECURED WITHOUT PLACING THE CHANNELS ASSOCIATED WITH THE PROTECTIVE FUNCTIONS DERIVED FROM THE OUT-OF-SERVICE REACTOR COOLANT LOOP IN THE TRIPPED MODE.
 (8414 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: OCTOBER 1-26, 1984

INSPECTION REPORT NO: 84-22

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
84-20	08/05/84	09/04/84	REACTOR TRIP
84-21	08/07/84	09/06/84	OPERATION OF CONTAINMENT ISOLATION VALVES
84-22	04/05/84	09/13/84	IMPROPERLY ISOLATED CARDOX FIRE PROTECTION SYSTEM

1. Docket: 50-298 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: M. F. NOLET (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

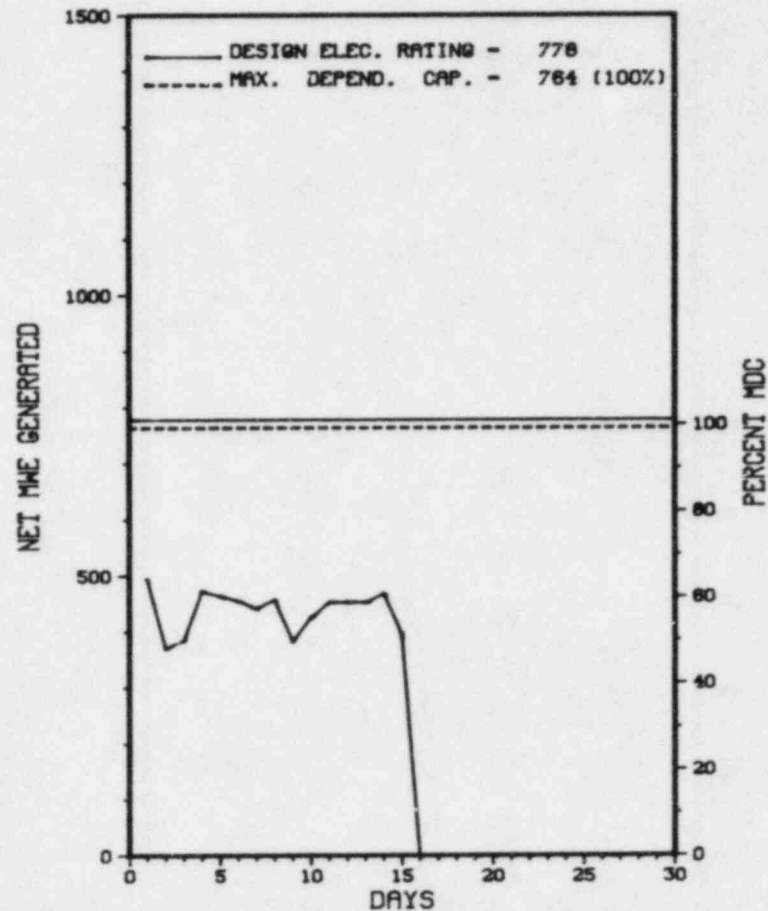
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>89,880.0</u>
13. Hours Reactor Critical	<u>357.1</u>	<u>5,952.6</u>	<u>72,955.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>357.1</u>	<u>5,902.3</u>	<u>71,820.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>507,766</u>	<u>10,926,853</u>	<u>141,440,011</u>
18. Gross Elec Ener (MWH)	<u>164,055</u>	<u>3,618,141</u>	<u>45,024,496</u>
19. Net Elec Ener (MWH)	<u>157,718</u>	<u>3,469,953</u>	<u>43,386,612</u>
20. Unit Service Factor	<u>49.6</u>	<u>89.8</u>	<u>79.9</u>
21. Unit Avail Factor	<u>49.6</u>	<u>89.8</u>	<u>79.9</u>
22. Unit Cap Factor (MDC Net)	<u>28.7</u>	<u>69.1</u>	<u>63.2</u>
23. Unit Cap Factor (DER Net)	<u>28.2</u>	<u>67.8</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>.8</u>	<u>2.2</u>	<u>3.7</u>
25. Forced Outage Hours	<u>2.9</u>	<u>133.4</u>	<u>2,090.7</u>

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

27. If Currently Shutdown Estimated Startup Date: 05/01/85

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOPER STATION



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOPER STATION *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-6	09/15/84	F	2.9	A	2				A RCIC VALVE PACKING STEAM LEAK REQUIRED A CONTROLLED SHUTDOWN. A MANUAL SCRAM WAS INITIATED AT 2106.
	09/16/84	S	360.0	C	9		RC	FUELXX	DUE TO LOW ELECTRICAL LOAD DEMAND AND THE CRITICAL NATURE OF THE UPCOMING OUTAGE SCHEDULE, A MANAGEMENT DECISION WAS MADE TO REMAIN SHUTDOWN AND TO COMMENCE THE 1984 REFUELING AND MAINTENANCE OUTAGE ON 9-16-84.

 * SUMMARY *

 COOPER STATION OPERATED WITH 2 OUTAGES IN SEPTEMBER, SHUTTING DOWN ON THE 16TH 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)

* COOPER STATION *

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

Report Period SEP 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.....E. SYLVESTER
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 AUGUST 1-2, 1984 (84-16)

SPECIAL, ANNOUNCED INSPECTION OF THE LICENSEE'S PROPOSED RADIATION PROTECTION PROGRAM FOR THE REMOVAL OF EXISTING RECIRCULATION PIPING AND INSTALLATION OF NEW PIPE INCLUDING: PERSONNEL QUALIFICATIONS, STAFFING, TRAINING, EQUIPMENT AND SUPPLIES, PLANNING AND SCHEDULING, ALARA, AND EXPOSURE CONTROLS.

NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO PERFORM A SAFETY REVIEW OF A CHANGE MADE TO THE FACILITY WHICH IS CONTRARY TO 10 CFR PART 50.59(A)(1).
(8411 4)

FAILURE TO HAVE PROCEDURES FOR MAINTENANCE WHICH IS CONTRARY TO 10 CFR PART 50, APP B, CRITERION V
(8411 5)

10 CFR PART 71.5(A) "TRANSPORTATION OF LICENSED MATERIAL" REQUIRES THAT NO LICENSED MATERIAL SHALL BE TRANSPORTED OUTSIDE OF THE

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: D. GRAHAM (904) 795-3802

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): 860

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

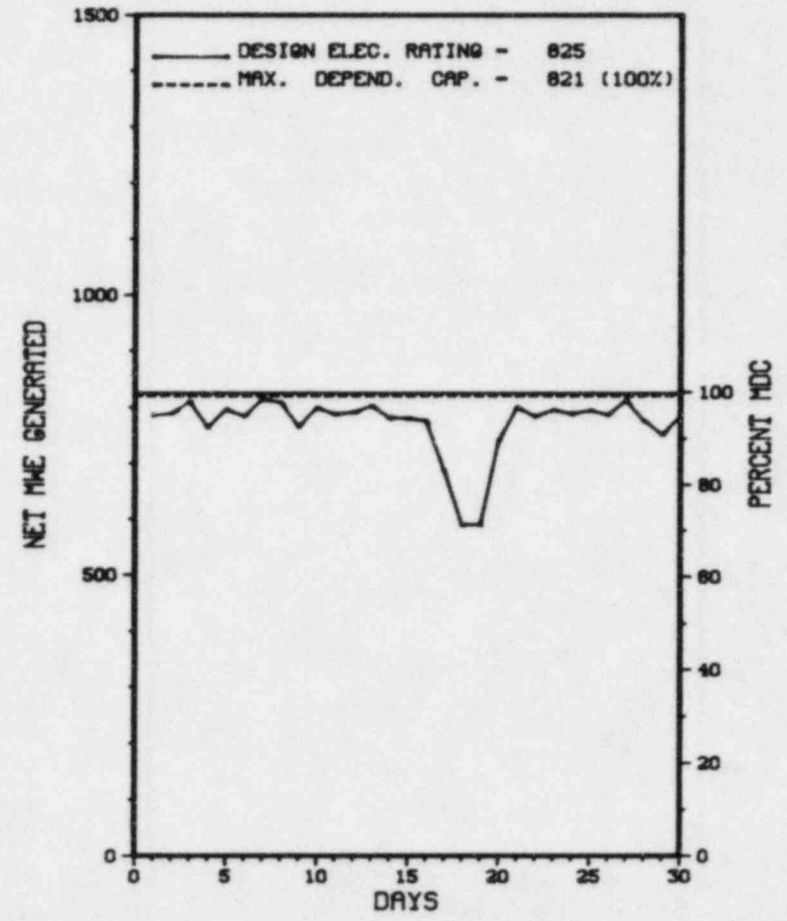
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>66,215.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,260.0</u>	<u>43,830.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,218.3</u>	<u>42,837.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,692,039</u>	<u>14,901,736</u>	<u>96,866,071</u>
18. Gross Elec Ener (MWH)	<u>582,111</u>	<u>5,135,795</u>	<u>33,062,531</u>
19. Net Elec Ener (MWH)	<u>554,600</u>	<u>4,895,645</u>	<u>31,412,728</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.6</u>	<u>64.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.6</u>	<u>64.7</u>
22. Unit Cap Factor (MDC Net)	<u>93.8</u>	<u>90.7</u>	<u>57.8</u>
23. Unit Cap Factor (DER Net)	<u>93.4</u>	<u>90.3</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.2</u>	<u>21.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>73.9</u>	<u>11,689.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: MARCH 9, 1985 - 20 WEEKS.

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

 * CRYSTAL RIVER 3 *

 AVERAGE DAILY POWER LEVEL (MWe) PLO7
 CRYSTAL RIVER 3



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-29	09/17/84	F	0.0	A	5		HC	HTEXCH	REDUCED POWER TO LOCATE AND REPAIR A CONDENSER SALT WATER LEAK. ALSO CLEANED CONDENSER WATERBOXES.

 * SUMMARY *

 CRYSTAL RIVER 3 OPERATED WITH 1 REDUCTION DURING SEPTEMBER.

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

* CRYSTAL RIVER 3 *

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

Report Period SEP 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. STETKA
LICENSING PROJ MANAGER.....H. SILVER
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 AUGUST 20-24 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORT FOLLOWUP, INSPECTOR ACTION ON PREVIOUS ENFORCEMENT MATTERS, AND INSPECTOR IDENTIFIED FOLLOW-UP ITEMS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, FACILITY SURVEILLANCE AND MAINTENANCE PROCEDURES WERE NOT ADHERED TO.
(8421 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
NONE.

Report Period SEP 1984

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

* CRYSTAL RIVER 3 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: AUGUST 20-24, 1984 +

INSPECTION REPORT NO: 50-302/84-25 +

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
84-017	07/30/84	08/29/84	A SAMPLE ANALYSIS WAS NOT PERFORMED, APPLICABLE SURVEILLANCE PROCEDURES WILL BE CHANGED.

=====

1. Docket: 50-346 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: BILAL SARSOUR (419) 259-5000 X384

4. Licensed Thermal Power (MWt): 2772

5. Nameplate Rating (Gross MWe): 1069 X 0.9 = 962

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 918

8. Maximum Dependable Capacity (Net MWe): 874

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

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

11. Reasons for Restrictions, If Any:
NONE

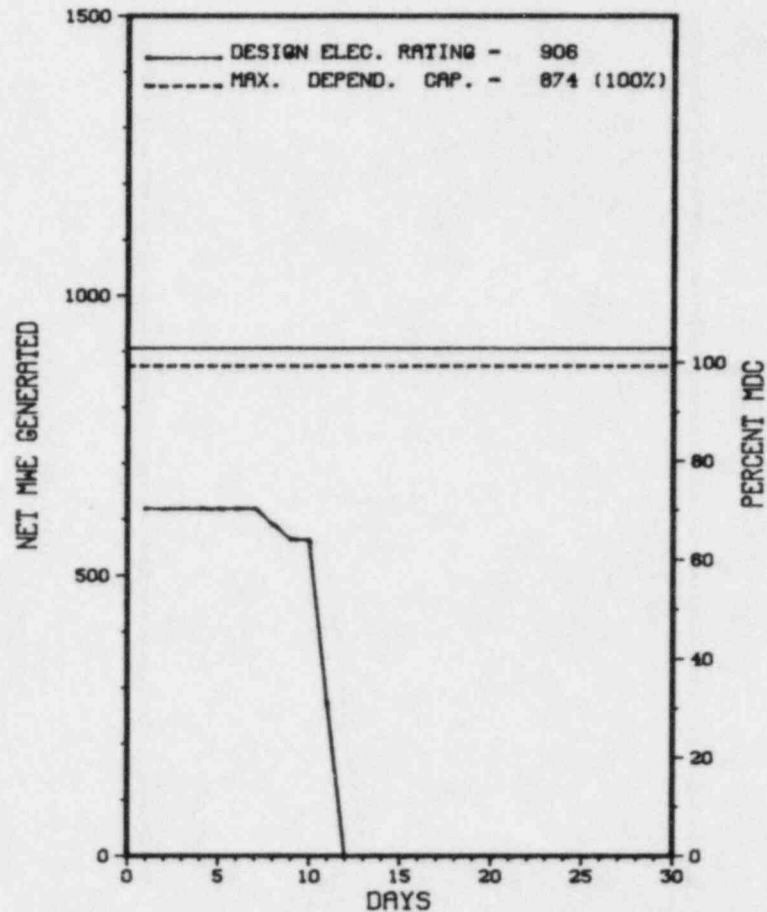
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>54,096.0</u>
13. Hours Reactor Critical	<u>252.6</u>	<u>5,529.0</u>	<u>33,031.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>134.8</u>	<u>4,014.1</u>
15. Hrs Generator On-Line	<u>252.6</u>	<u>5,489.5</u>	<u>31,641.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>514,927</u>	<u>13,941,608</u>	<u>74,985,422</u>
18. Gross Elec Ener (MWH)	<u>163,161</u>	<u>4,554,151</u>	<u>24,846,344</u>
19. Net Elec Ener (MWH)	<u>148,183</u>	<u>4,291,557</u>	<u>23,290,256</u>
20. Unit Service Factor	<u>35.1</u>	<u>83.5</u>	<u>68.5</u>
21. Unit Avail Factor	<u>35.1</u>	<u>83.5</u>	<u>61.7</u>
22. Unit Cap Factor (MDC Net)	<u>23.5</u>	<u>74.7</u>	<u>49.3</u>
23. Unit Cap Factor (DER Net)	<u>22.7</u>	<u>72.0</u>	<u>47.5</u>
24. Unit Forced Outage Rate	<u>19.0</u>	<u>11.0</u>	<u>17.3</u>
25. Forced Outage Hours	<u>59.4</u>	<u>677.5</u>	<u>7,261.5</u>

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

27. If Currently Shutdown Estimated Startup Date: 12/15/84

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DAVIS-BESSE 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * DAVIS-BESSE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	09/11/84	F	59.4	G	3	NP-33-84-13	CD	INSTRU	THE REACTOR TRIPPED BY THE ANTICIPATORY REACTOR TRIP SYSTEM (ARTS) IN RESPONSE TO THE TURBINE TRIP. SEE LER NO. NP-33-84-13 FOR FURTHER DETAILS.
6	09/14/84	S	408.0	C	9		RC	FUELXX	THE REFUELING OUTAGE WAS ENTERED FOLLOWING THE REACTOR TRIP ON 9/11/84 TO PERFORM SCHEDULED MAINTENANCE AND REFUELING WORK.

 * SUMMARY *

 DAVIS-BESSE 1 OPERATED WITH 2 OUTAGES DURING SEPTEMBER, SHUTTING DOWN ON THE 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)

* DAVIS-BESSE 1 *

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

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....OHIO

COUNTY.....OTTAWA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI E OF
 TOLEDO, OH

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 12, 1977

DATE ELEC ENER 1ST GENER...AUGUST 28, 1977

DATE COMMERCIAL OPERATE...JULY 31, 1978

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...LAKE ERIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TOLEDO EDISON

CORPORATE ADDRESS.....300 MADISON AVENUE
 TOLEDO, OHIO 43652

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. ROGERS

LICENSING PROJ MANAGER.....A. DEGAZIO
DOCKET NUMBER.....50-346

LICENSE & DATE ISSUANCE...NPF-3, APRIL 22, 1977

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
 GOVERNMENT DOCUMENTS COLLECTION
 2801 WEST BANCROFT AVENUE
 TOLEDO, OHIO 43606

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

INSPECTION SUMMARY

INSPECTION ON JULY 11-13, 25-29, AUGUST 16, SEPTEMBER 7-9, 22, 1983, DECEMBER 1, 1983, AND JANUARY 9, 1984 (83-16): NON ROUTINE, ANNOUNCED INSPECTION FOR IMPLEMENTATION OF & COMPLIANCE TO THE REQUIREMENTS OF 10 CFR 50, APPENDIX R (SECTION III.G, J, O AND L); AND THE FIRE PROTECTION PROGRAM. THE INSPECTION INVOLVED 595 INSPECTOR-HOURS ONSITE BY NINE NRC INSPECTORS INCLUDING 103 INSPECTOR-HOURS DURING OFF SHIFTS; 40 INSPECTOR-HOURS AT AN AUGUST 16, 1983 MEETING AT NRC HEADQUARTERS IN BETHESDA, MARYLAND; 6 INSPECTOR-HOURS AT A DECEMBER 1, 1983 ENFORCEMENT CONFERENCE; AND 20 INSPECTOR-HOURS IN DECEMBER 1983 AND JANUARY 3-5, 9, 1984 REVIEWING ADDITIONAL MATERIAL SUBMITTED BY THE LICENSEE. EIGHT ITEMS OF NONCOMPLIANCE CONTAINING NINETEEN EXAMPLES WERE IDENTIFIED IN THE TWO AREAS INSPECTED. (ALTERNATIVE SHUTDOWN CAPABILITY DOES NOT MEET THE ACCEPTANCE CRITERIA OF APPENDIX R, PARAGRAPH III.G.3 AND III.L.-PARAGRAPH 4; FAILURE TO PERFORM A SPURIOUS SIGNAL ANALYSIS FOR THE SERVICE WATER DISCHARGE VALVES, THE PRESSURIZER PORV AND BLOCK VALVES, AND THE LETDOWN COOLER ISOLATION VALVES-PARAGRAPHS 4 AND 7; AUXILIARY SHUTDOWN PANEL AND TRANSFER SWITCH ROOM LACKS A FIXED FIRE SUPPRESSION SYSTEM-PARAGRAPH 4; AUXILIARY SHUTDOWN PANEL FAILS TO PROVIDE ONE TRAIN REQUIRED FOR HOT STANDBY FREE OF FIRE DAMAGE-PARAGRAPH 4; FIRE AT THE AUXILIARY SHUTDOWN PANEL COULD CAUSE A REPAIR TO BE REQUIRED WHICH IS NOT ALLOWED FOR HOT SHUTDOWN-PARAGRAPH 4; (A) FOUR AREAS OF THE PLANT DID NOT HAVE INSTALLED EMERGENCY LIGHTING UNITS, (B) THREE AREAS OF THE PLANT HAD OBSTRUCTED LIGHTING AND (C) TWO OF SIX EMERGENCY LIGHTING UNITS FAILED THE 8 HOUR DISCHARGE TEST-PARAGRAPH 5; INADEQUATE OIL COLLECTION SYSTEM CAPACITY-PARAGRAPH 6; LACK OF A 1-HOUR FIRE BARRIER IN CONDUITS AND JUNCTION BOXES-PARAGRAPH 8; VIOLATION OF LCO, FAILURE TO ESTABLISH A FIRE WATCH AFTER FINDING INOPERABLE FIRE DAMPERS-PARAGRAPH 10; MODIFICATIONS TO FIRE DOORS WERE NOT CONTROLLED-PARAGRAPH 13; EIGHT EXAMPLES OF INADEQUATE SURVEILLANCE TEST AND ADMINISTRATIVE PROCEDURES-PARAGRAPH 14; FAILURE TO ADHERE TO STAFFING QUALIFICATIONS FOR FIRE PROTECTION/PROTECTION PROGRAM IMPLEMENTATION-PARAGRAPH 15.

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1. Docket: 50-237 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: D. C. MAXWELL (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

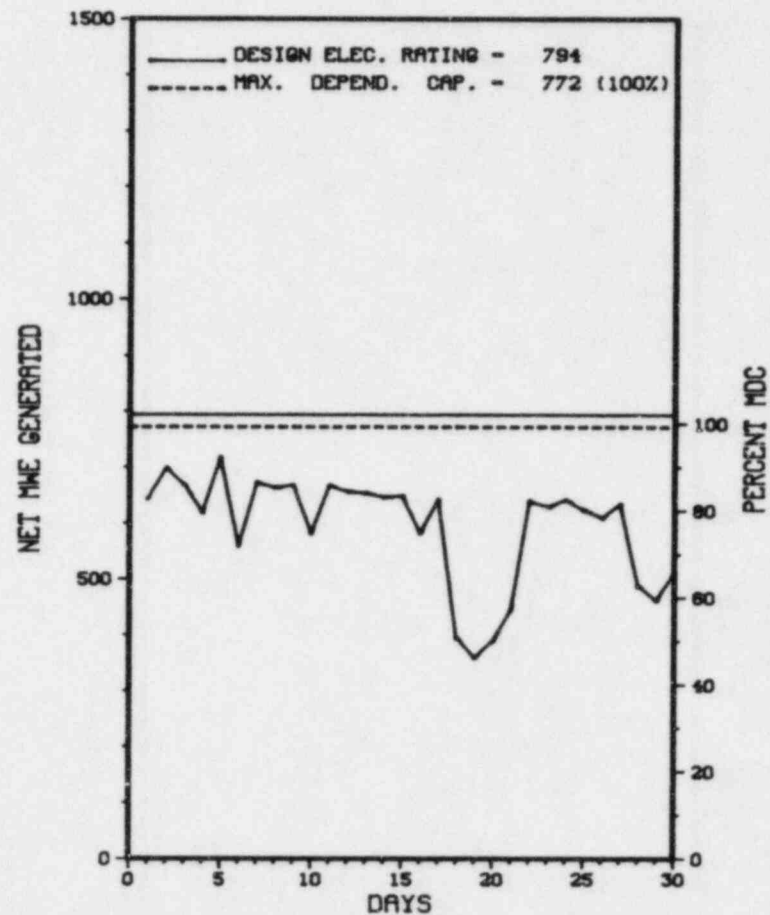
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>126,095.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,387.3</u>	<u>98,612.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,285.2</u>	<u>94,166.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,414,370</u>	<u>14,408,906</u>	<u>191,146,502</u>
18. Gross Elec Ener (MWH)	<u>450,725</u>	<u>4,627,281</u>	<u>61,130,448</u>
19. Net Elec Ener (MWH)	<u>426,112</u>	<u>4,404,396</u>	<u>57,801,840</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.6</u>	<u>74.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.6</u>	<u>74.7</u>
22. Unit Cap Factor (MDC Net)	<u>76.7</u>	<u>86.8</u>	<u>59.4</u>
23. Unit Cap Factor (DER Net)	<u>74.5</u>	<u>84.4</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.4</u>	<u>11.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>289.8</u>	<u>4,710.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: 10-05-84 - 12 WEEKS.

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

 * D R E S D E N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 D R E S D E N 2



SEPTEMBER 1984

Report Period SEP 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 WITH NO REPORTED OUTAGES OR REDUCTIONS DURING SEPTEMBER.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	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		

* DRESDEN 2 *

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

Report Period SEP 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 DURING THE PERIOD OF JULY 27 THROUGH AUGUST 21, (84-14): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF 10 CFR 21 REPORTS, OPERATIONAL SAFETY, EVENTS, MAINTENANCE, LICENSEE EVENT REPORTS, UNIT 1 CHEMICAL CLEANING, SPENT NUCLEAR FUEL SHIPMENTS, AND OPERATING REPORTS. THE INSPECTION INVOLVED A TOTAL OF 142 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 18 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

1. Docket: 50-249 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: D. C. MAXWELL (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

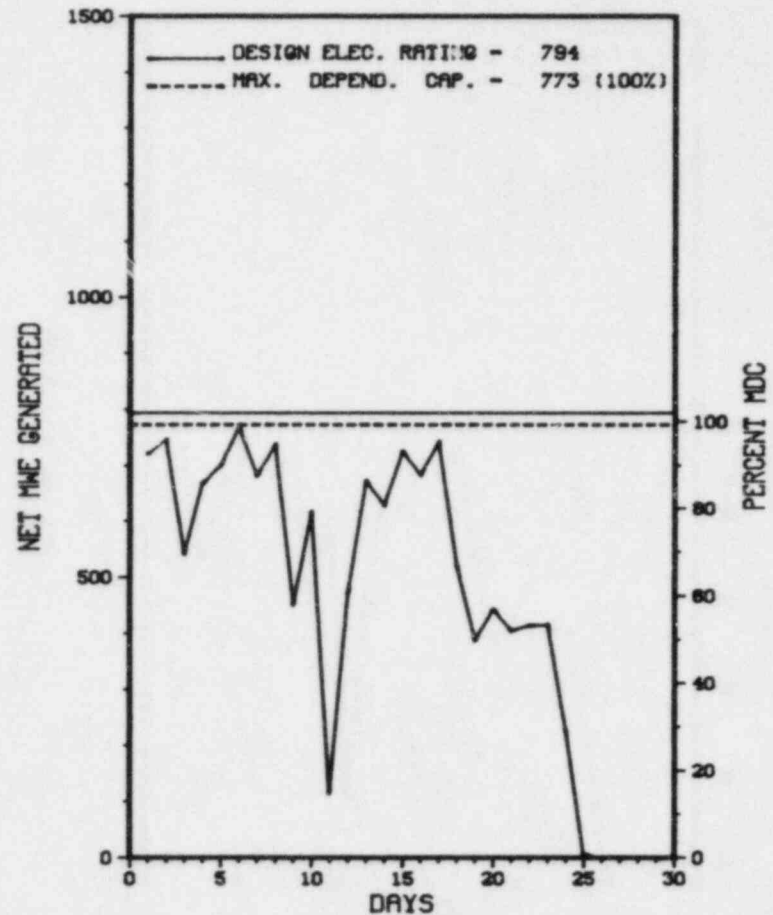
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>115,680.0</u>
13. Hours Reactor Critical	<u>614.9</u>	<u>1,908.1</u>	<u>84,743.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>567.5</u>	<u>1,441.3</u>	<u>81,303.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,120,500</u>	<u>2,838,834</u>	<u>162,801,838</u>
18. Gross Elec Ener (MWH)	<u>346,522</u>	<u>865,575</u>	<u>52,818,484</u>
19. Net Elec Ener (MWH)	<u>325,295</u>	<u>797,501</u>	<u>50,028,084</u>
20. Unit Service Factor	<u>78.8</u>	<u>21.9</u>	<u>70.3</u>
21. Unit Avail Factor	<u>78.8</u>	<u>21.9</u>	<u>70.3</u>
22. Unit Cap Factor (MDC Net)	<u>58.4</u>	<u>15.7</u>	<u>55.9</u>
23. Unit Cap Factor (DER Net)	<u>56.9</u>	<u>15.3</u>	<u>54.5</u>
24. Unit Forced Outage Rate	<u>21.2</u>	<u>12.6</u>	<u>12.6</u>
25. Forced Outage Hours	<u>152.5</u>	<u>208.3</u>	<u>6,623.5</u>

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

27. If Currently Shutdown Estimated Startup Date: 10/14/84

* DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DRESDEN 3



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	09/11/84	F	11.8	A	2				EHC OIL LEAK.
4	09/25/84	F	140.7	A	2				CONDENSER TUBE LEAK.

 * SUMMARY *

 DRESDEN 3 OPERATED WITH 2 OUTAGES DURING SEPTEMBER, SHUTTING DOWN ON THE 25TH TO REPAIR CONDENSER TUBE LEAKS.

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 SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....GRUNDY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI E OF
MORRIS, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 31, 1971
DATE ELEC ENER 1ST GENER...JULY 22, 1971
DATE COMMERCIAL OPERATE...NOVEMBER 16, 1971
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...KANKAKEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF JULY 27 THROUGH AUGUST 21, (84-13): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF 10 CFR 21 REPORTS, OPERATIONAL SAFETY, EVENTS, MAINTENANCE, LICENSEE EVENT REPORTS, UNIT 1 CHEMICAL CLEANING, SPENT NUCLEAR FUEL SHIPMENTS, AND OPERATING REPORTS. THE INSPECTION INVOLVED A TOTAL OF 142 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 18 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: KEN S. PUTNAM (319) 851-7456

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>720.0</u>	<u>6,575.0</u>	<u>84,719.0</u>
13. Hours Reactor Critical	<u>686.2</u>	<u>5,153.6</u>	<u>61,088.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>130.3</u>	<u>130.3</u>
15. Hrs Generator On-Line	<u>678.0</u>	<u>5,043.6</u>	<u>59,486.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>783,792</u>	<u>7,245,306</u>	<u>74,993,868</u>
18. Gross Elec Ener (MWH)	<u>247,226</u>	<u>2,416,577</u>	<u>25,110,634</u>
19. Net Elec Ener (MWH)	<u>230,675</u>	<u>2,273,098</u>	<u>23,509,468</u>
20. Unit Service Factor	<u>94.2</u>	<u>76.7</u>	<u>70.2</u>
21. Unit Avail Factor	<u>94.2</u>	<u>76.7</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>62.2</u>	<u>67.1</u>	<u>53.9</u>
23. Unit Cap Factor (DER Net)	<u>59.6</u>	<u>64.3</u>	<u>51.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.5</u>	<u>17.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>789.9</u>	<u>12,124.2</u>

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

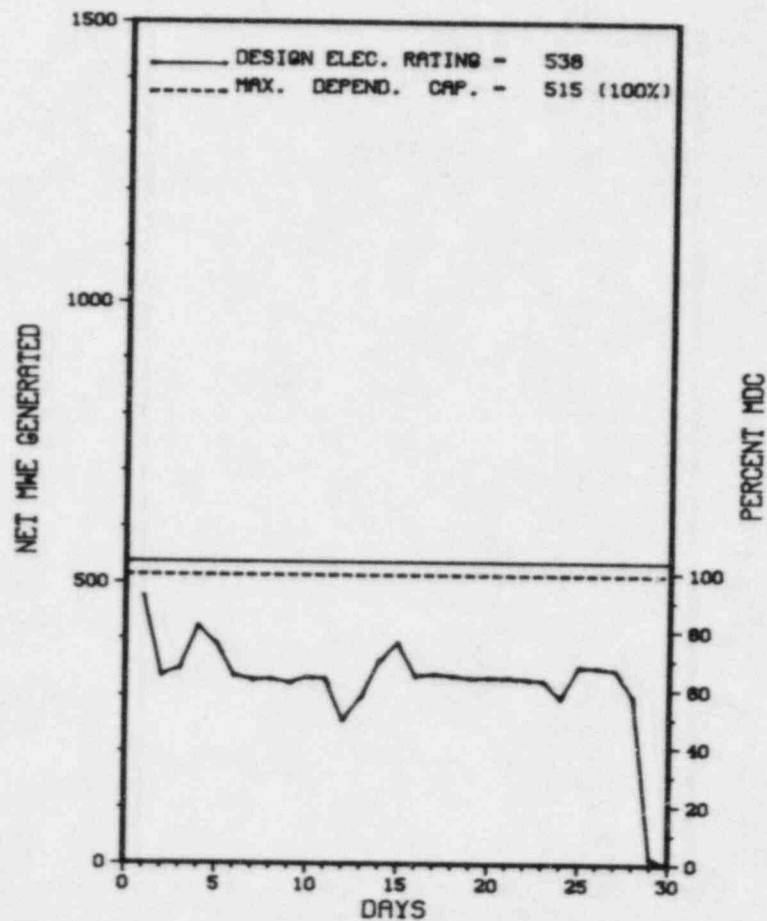
REFUEL OUTAGE, FEBRUARY 1985.

27. If Currently Shutdown Estimated Startup Date: 10/21/84

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/29/84	S	42.0	B	1	84-037	JC		SPURIOUS IRM UPSCALE TRIP AT LESS THAN 1% POWER DURING SCHEDULED SHUTDOWN FOR UNRELATED MAINTENANCE.

* SUMMARY *

DUANE ARNOLD SHUTDOWN ON SEPTEMBER 29TH FOR MAINTENANCE AND REPAIRS.

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 SEP 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

NO INSPECTION SUMMARIES FOR THIS TIME PERIOD

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. WOODARD (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): 842

8. Maximum Dependable Capacity (Net MWe): 797

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

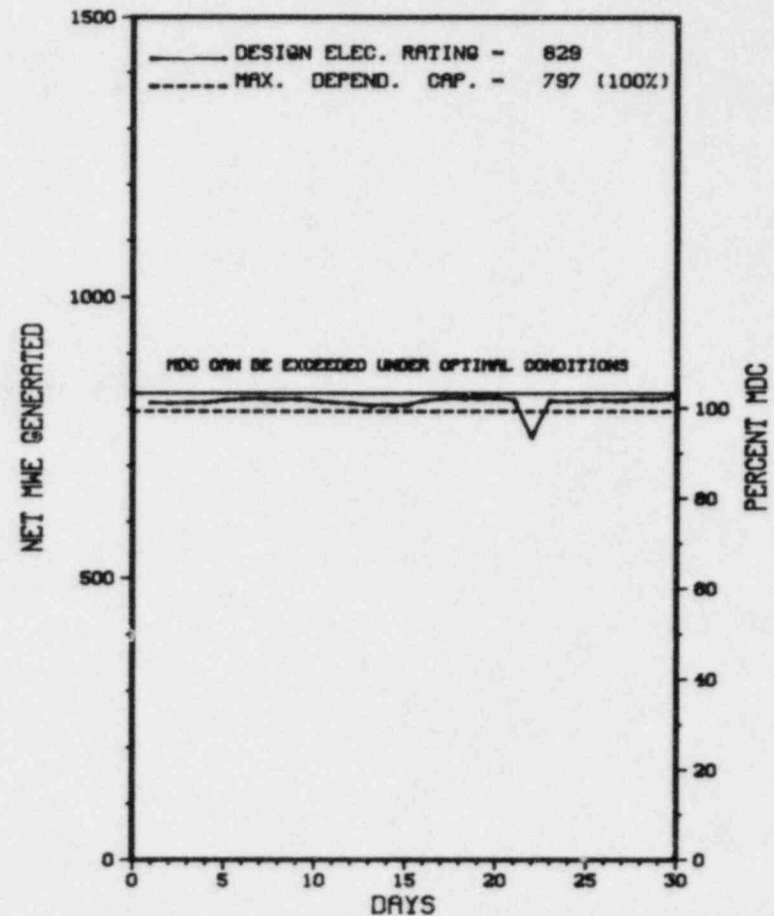
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>59,903.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,796.8</u>	<u>39,920.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,712.0</u>	<u>38,815.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,904,651</u>	<u>12,052,119</u>	<u>98,153,643</u>
18. Gross Elec Ener (MWH)	<u>617,636</u>	<u>3,882,140</u>	<u>31,124,004</u>
19. Net Elec Ener (MWH)	<u>585,910</u>	<u>3,655,732</u>	<u>29,356,794</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.7</u>	<u>64.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.7</u>	<u>64.8</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>69.4</u>	<u>61.5*</u>
23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>67.1</u>	<u>59.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.7</u>	<u>13.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>79.5</u>	<u>6,246.0</u>

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

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

* F A R L E Y 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

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

NONE

* SUMMARY *

FARLEY 1 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING SEPTEMBER.

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

* FARLEY 1 *

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

Report Period SEP 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

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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 AUGUST 16 - SEPTEMBER 10 (84-22): THIS ROUTINE INSPECTION ENTAILED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, UNIT 2 OUTAGE, UNIT 1 SPENT FUEL STORAGE RACKS, AND ACTION ON PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 5-7 (84-24): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF SPENT FUEL STORAGE RACKS AND STEAM GENERATOR TUBE LEAKS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION II, QUALITY ASSURANCE PROGRAM, AS IMPLEMENTED BY THE FARLEY NUCLEAR PLANT QUALITY ASSURANCE PROGRAM, FSAR SECTION 17, REQUIRES THAT THE QUALITY ASSURANCE PROGRAM SHALL PROVIDE CONTROL OVER ACTIVITIES AFFECTING THE QUALITY OF IDENTIFIED STRUCTURES, SYSTEMS AND COMPONENTS TO AN EXTENT CONSISTENT WITH THEIR IMPORTANCE TO SAFETY. CONTRARY TO THE ABOVE, INADEQUATE PROTECTION AND CONTROL TO CERTAIN COMPONENTS IMPORTANT TO SAFETY WAS NOT EXERCISED IN THAT: (1) ON JULY 25, 1984, AN ELECTRICAL SWITCHGEAR COMPARTMENT DOOR WAS OPENED AND AUTOMATICALLY DEENERGIZED BY LICENSEE PERSONNEL WITHOUT THE KNOWLEDGE OR CONSENT OF THE SHIFT SUPERVISOR WHO IS CHARGED WITH THE SAFE OPERATION OF THE PLANT; (2) ON JULY 16, 1984, A LARGE MANUAL VALVE OPERATOR WAS PLACED IN AN ELECTRICAL CABLE TRAY ON TOP OF ELECTRICAL CABLES WHILE THE VALVE WAS UNDERGOING MAINTENANCE; AND (3) ON

1. Docket: 50-364 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. WOODARD (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): 853

8. Maximum Dependable Capacity (Net MWe): 809

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>720.0</u>	<u>6,575.0</u>	<u>27,816.0</u>
13. Hours Peactor Critical	<u>387.6</u>	<u>6,190.8</u>	<u>24,727.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>367.8</u>	<u>6,122.5</u>	<u>24,421.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>944,645</u>	<u>16,022,773</u>	<u>62,933,465</u>
18. Gross Elec Ener (MWH)	<u>305,148</u>	<u>5,172,828</u>	<u>20,159,676</u>
19. Net Elec Ener (MWH)	<u>285,208</u>	<u>4,919,270</u>	<u>19,119,296</u>
20. Unit Service Factor	<u>51.1</u>	<u>93.1</u>	<u>87.8</u>
21. Unit Avail Factor	<u>51.1</u>	<u>93.1</u>	<u>87.8</u>
22. Unit Cap Factor (MDC Net)	<u>49.0</u>	<u>92.1</u>	<u>85.0</u>
23. Unit Cap Factor (DER Net)	<u>47.8</u>	<u>90.3</u>	<u>82.9</u>
24. Unit Forced Outage Rate	<u>48.9</u>	<u>6.9</u>	<u>5.7</u>
25. Forced Outage Hours	<u>352.2</u>	<u>452.5</u>	<u>1,484.3</u>

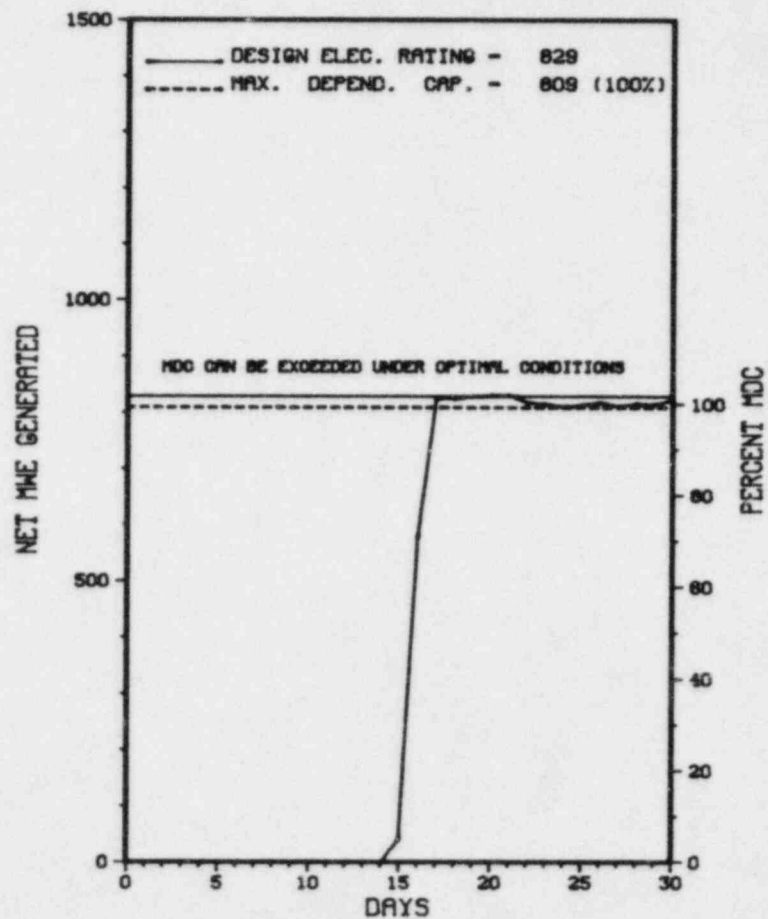
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUEL/MAINT. OUTAGE, 1/4/85, APPROX. 5 1/2 WKS.

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

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * FARLEY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
006	08/31/84	F	352.2	H	4	84-008-00	AB	SG	UNIT WAS SHUT DOWN ON 8-31-84 DUE TO RE-ANALYSIS OF CYCLE II-III EDDY CURRENT TEST RESULTS WHICH SHOWED SIGNIFICANT TUBE WALL DEGRADATION IN TWO TUBES EXCEEDING THE TUBE PLUGGING LIMIT OF TECHNICAL SPECIFICATION 3/4.4.6. THIS OUTAGE CONTINUED UNTIL 9-15-84.

 * SUMMARY *

 FARLEY 2 RETURNED ONLINE FROM A CONTINUING OUTAGE ON SEPTEMBER 15TH AND OPERATED ROUTINELY THE REST OF THE MONTH.

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

(8420 4)

10 CFR 50, APPENDIX B, CRITERION XII "CONTROL OF MEASURING AND TEST EQUIPMENT", AS IMPLEMENTED BY THE FARLEY NUCLEAR PLANT QUALITY ASSURANCE PROGRAM, FSAR CHAPTER 17, REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT INSTRUMENTS USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CALIBRATED AND ADJUSTED AT SPECIFIED INTERVALS. CONTRARY TO THE ABOVE, INTERVALS FOR CALIBRATION OF CERTAIN INSTRUMENTS USED IN SAFETY RELATED ACTIVITIES HAD NOT BEEN SPECIFIED IN THAT ON JULY 23, 1984, LEVEL INDICATORS (LI-4075A AND B) FOR THE UNIT 1 CONDENSATE STORAGE TANK HAD NOT BEEN CALIBRATED SINCE MARCH, 1981 AND NO CALIBRATION FREQUENCY WAS SPECIFIED.
(8420 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

R. P. MCDONALD PROMOTED TO SENIOR VICE PRESIDENT, W. G. HAIRSTON PROMOTED TO MANAGER NUCLEAR ENGINEERING AND TECHNICAL SUPPORT, J. D. WOODARD PROMOTED TO PLANT MANAGER.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: SEPTEMBER 5-7, 1984 +

INSPECTION REPORT NO: 50-364/84-24 +

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: 50-333 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

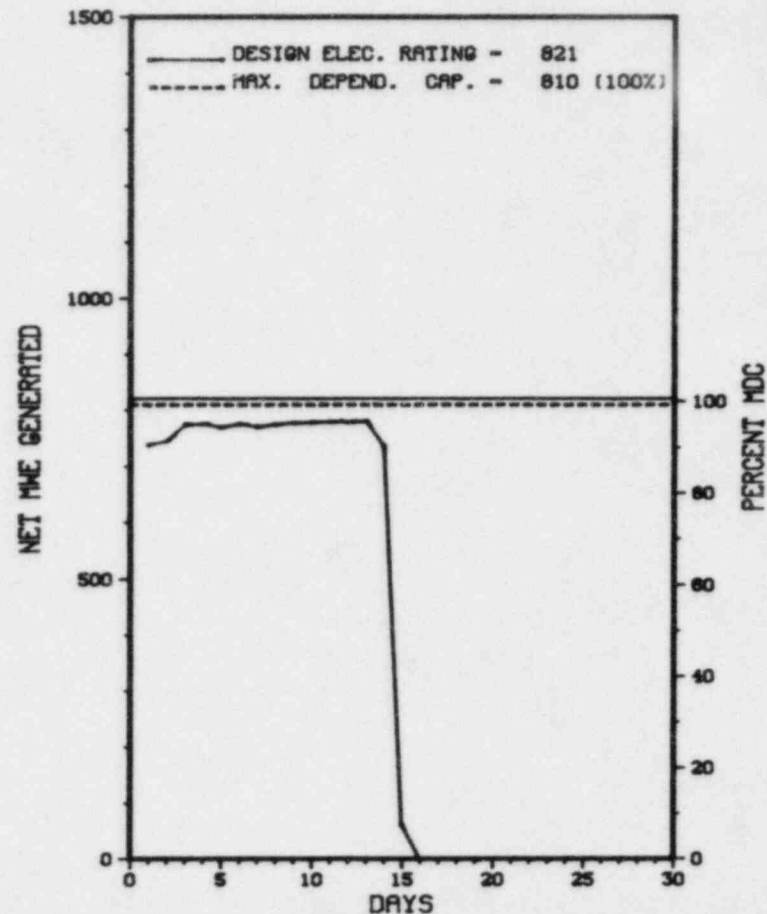
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>80,472.0</u>
13. Hours Reactor Critical	<u>349.0</u>	<u>5,713.0</u>	<u>58,241.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>344.0</u>	<u>5,578.8</u>	<u>56,778.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>811,920</u>	<u>12,825,528</u>	<u>120,562,114</u>
18. Gross Elec Ener (MWH)	<u>268,370</u>	<u>4,269,330</u>	<u>40,926,650</u>
19. Net Elec Ener (MWH)	<u>259,740</u>	<u>4,133,175</u>	<u>39,631,815</u>
20. Unit Service Factor	<u>47.8</u>	<u>84.8</u>	<u>70.6</u>
21. Unit Avail Factor	<u>47.8</u>	<u>84.8</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>44.5</u>	<u>77.6</u>	<u>64.2*</u>
23. Unit Cap Factor (DER Net)	<u>43.9</u>	<u>76.6</u>	<u>60.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.7</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>274.0</u>	<u>9,157.2</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING & MAINTENANCE-01/15/85-3 MONTHS.

27. If Currently Shutdown Estimated Startup Date: 10/15/84

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FITZPATRICK



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	09/15/84	S	376.0	B	1				840915 SHUTDOWN FOR MAINTENANCE AND IHSI.

 * SUMMARY *

 THE UNIT OPERATED AT NEAR FULL THERMAL POWER FOR THE FIRST 14 DAYS OF THE REPORTING PERIOD.
 ON 09/15/84 THE PLANT WAS SHUTDOWN FOR 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)

* FITZPATRICK *

FACILITY DATA

Report Period SEP 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
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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: 09/01/84 Outage + On-line Hrs: 720.0

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): 501

8. Maximum Dependable Capacity (Net MWe): 478

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

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

11. Reasons for Restrictions, If Any:
NONE

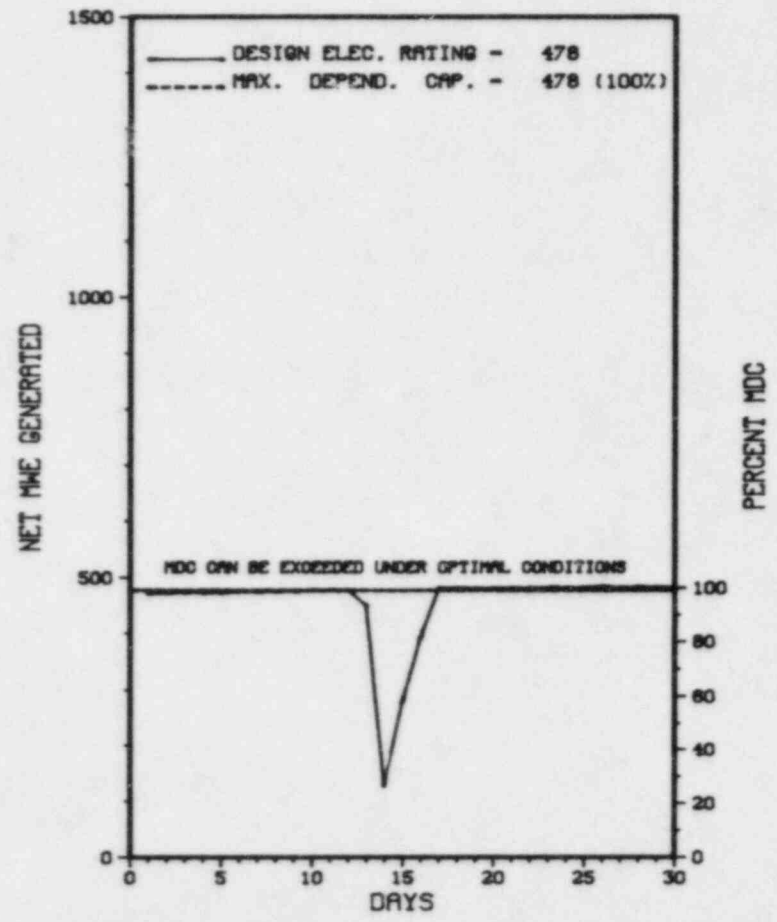
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>96,576.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,498.1</u>	<u>74,112.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>715.8</u>	<u>3,391.5</u>	<u>72,744.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,029,862</u>	<u>4,743,070</u>	<u>91,502,784</u>
18. Gross Elec Ener (MWH)	<u>346,072</u>	<u>1,542,392</u>	<u>30,171,816</u>
19. Net Elec Ener (MWH)	<u>329,418</u>	<u>1,464,829</u>	<u>28,544,689</u>
20. Unit Service Factor	<u>99.4</u>	<u>51.6</u>	<u>75.3</u>
21. Unit Avail Factor	<u>99.4</u>	<u>51.6</u>	<u>75.3</u>
22. Unit Cap Factor (MDC Net)	<u>95.7</u>	<u>49.4</u>	<u>64.4*</u>
23. Unit Cap Factor (DER Net)	<u>95.7</u>	<u>46.6</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>16.3</u>	<u>1,414.7</u>

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

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT CALHOUN 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	09/15/84	S	4.2	B	3		XX	XXXXXX	UNIT TAKEN OFF LINE TO PERFORM TURBINE OVERSPEED TESTS SEPTEMBER 15, 1984 AT 0558. THE UNIT WAS PLACED BACK ON LINE THE SAME DAY AT 1010.

* SUMMARY *

FORT CALHOUN OPERATED WITH 1 OUTAGE DURING SEPTEMBER.

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

1. Docket: 50-267 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: FRANK NOVACHEK (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: _____
B-0 STARTUP TESTING

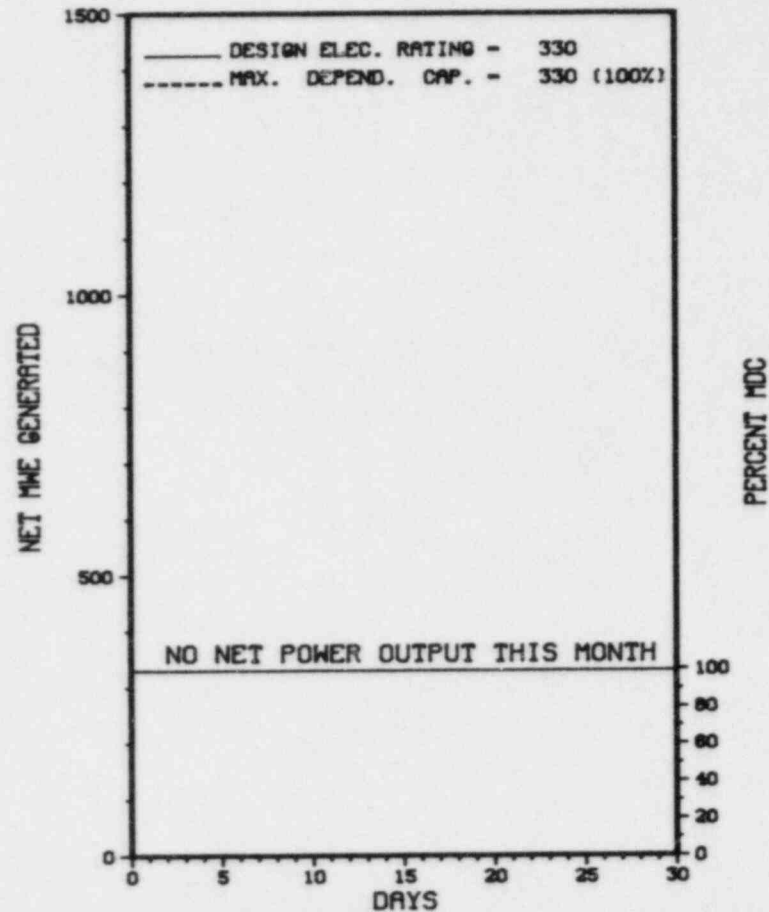
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>46,056.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,324.1</u>	<u>27,151.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>660.1</u>	<u>18,463.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>340,047</u>	<u>9,709,799</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>95,438</u>	<u>3,248,888</u>
19. Net Elec Ener (MWH)	<u>-2,420</u>	<u>64,664</u>	<u>2,936,194</u>
20. Unit Service Factor	<u>.0</u>	<u>10.0</u>	<u>40.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>10.0</u>	<u>40.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>3.0</u>	<u>19.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>3.0</u>	<u>19.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>78.7</u>	<u>43.3</u>
25. Forced Outage Hours	<u>720.0</u>	<u>2,443.5</u>	<u>14,120.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
CONTROL ROD DRIVE INVEST. 10/1/84 - 3/31/85.

27. If Currently Shutdown Estimated Startup Date: 04/01/85

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT ST VRAIN



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-006	07/01/84	F	720.0	A	4	50-267/84008	AA	JC	CONTROL ROD DRIVE INVESTIGATION CONTINUES.

***** FORT ST. VRAIN REMAINS SHUTDOWN IN A CONTINUING EQUIPMENT FAILURE OUTAGE.
* SUMMARY *

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

* FORT ST VRAIN *

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

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO

COUNTY.....WELD

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

TYPE OF REACTOR.....HTGR

DATE INITIAL CRITICALITY...JANUARY 31, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....S. PLATTE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO

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

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

NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....G. PLUMLEE

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

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

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED JULY 1-31, 1984 (84-18):

ROUTINE/REACTIVE, ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE - REFUELING, MAINTENANCE, TMI ACTION PLAN REQUIREMENT FOLLOWUP, IE BULLETIN FOLLOWUP, CONTROL ROD DRIVE EVENT FOLLOWUP, AND REVIEW OF PERIODIC AND SPECIAL REPORTS, WITHIN THE EIGHT AREAS INSPECTED ONE OPEN ITEM WAS IDENTIFIED.

INSPECTION CONDUCTED JULY 31, 1984 (84-20):

SPECIAL, UNANNOUNCED INSPECTION OF THE CIRCUMSTANCES REGARDING A LIQUID RELEASE FROM THE REACTOR BUILDING SUMP ON JULY 20, 1984, WHICH EXCEEDED REGULATORY LIMITS. WITHIN THE AREA INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO ADMINISTRATIVE PROCEDURE P-2 THE NRC INSPECTOR DETERMINED THAT THE FIRE WATER PUMP HOUSE FANS WERE IN A DEVIATION SITUATION WITHOUT THE ISSUANCE OF AN OPERATION DEVIATION RESULTING IN OPERATIONS PERSONNEL NOT BEING AWARE OF THE SYSTEM STATUS. CONTRARY TO ADMINISTRATIVE PROCEDURE Q-11, THE NRC INSPECTOR DETERMINED THAT A SPECIAL TEST WAS IN PROGRESS WITHOUT HAVING THE SHIFT SUPERVISOR'S SIGNATURE DOCUMENTING PERMISSION TO INITIATE THE TEST.

Report Period SEP 1984

REPORTS FROM LICENSEE

* FORT ST VRAIN *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-009	7-26-84	8-24-84	LIQUID WASTE RELEASE EXCEEDED MPC FOR UNIDENTIFIED BETA.

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Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* GINNA *

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

NONE

* SUMMARY *

GINNA OPERATED AT FULL POWER DURING SEPTEMBER.

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

* GINNA *

FACILITY DATA

Report Period SEP 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):

1. Docket: 50-213 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. P. DRAGO (203) 267-2556 X452

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

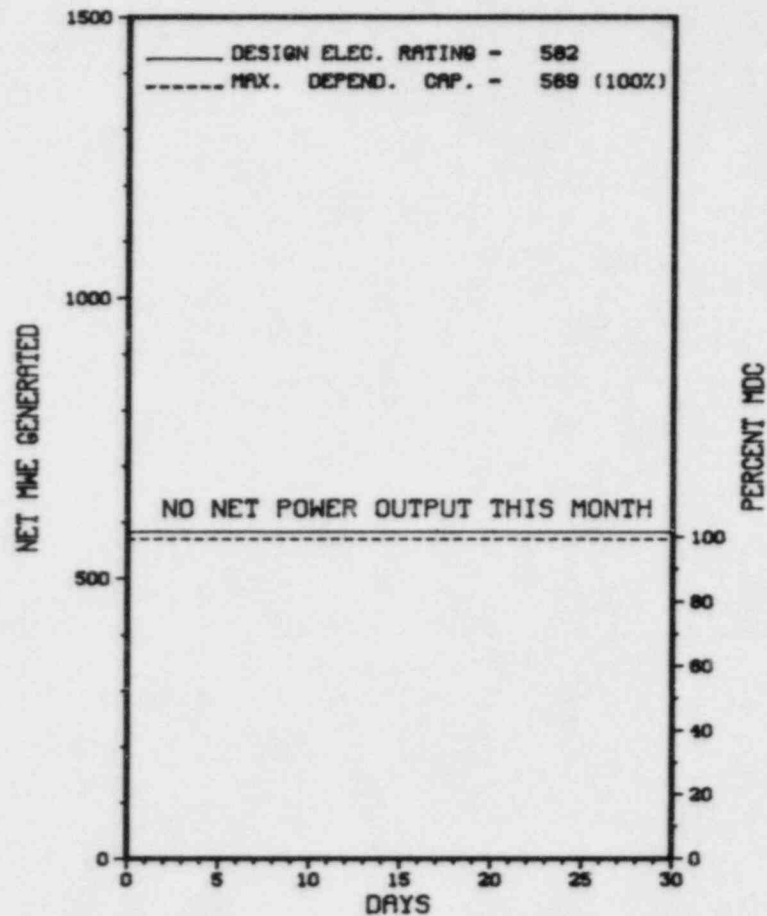
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>146,831.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,121.8</u>	<u>126,323.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,200.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,114.3</u>	<u>121,021.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>373.7</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>8,858,743</u>	<u>210,231,303</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,896,058</u>	<u>69,009,301</u>
19. Net Elec Ener (MWH)	<u>-1,971</u>	<u>2,752,060</u>	<u>65,652,761</u>
20. Unit Service Factor	<u>.0</u>	<u>77.8</u>	<u>82.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>77.8</u>	<u>82.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>73.6</u>	<u>82.9*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>71.9</u>	<u>77.2*</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>1,158.0</u>

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

27. If Currently Shutdown Estimated Startup Date: 10/23/84

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HADDAM NECK



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	08/01/84	S	720.0	C	4		RC	FUELXX	CONTINUATION OF CORE XII - XIII REFUELING.

***** HADDAM NECK (CONNECTICUT YANKEE) REMAINS SHUTDOWN IN AN ONGOING 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)

* HADDAM NECK *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....MIDDLESEX
DIST AND DIRECTION FROM
NEAREST POPULATION CENTER...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
123 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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 1984

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

* HADDAM NECK *

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: 50-321 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: P. J. NORTH (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

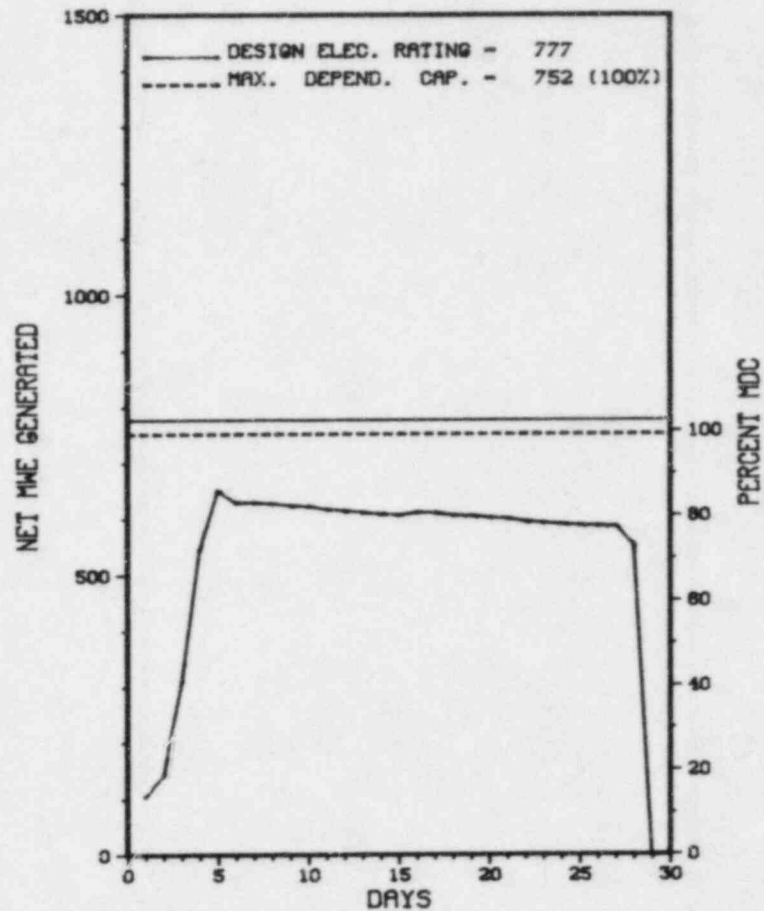
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>76,703.0</u>
13. Hours Reactor Critical	<u>672.1</u>	<u>5,638.7</u>	<u>55,144.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>668.3</u>	<u>5,474.8</u>	<u>51,867.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,294,200</u>	<u>12,044,639</u>	<u>109,179,754</u>
18. Gross Elec Ener (MWH)	<u>398,050</u>	<u>3,797,550</u>	<u>35,246,530</u>
19. Net Elec Ener (MWH)	<u>375,747</u>	<u>3,609,183</u>	<u>33,459,674</u>
20. Unit Service Factor	<u>92.8</u>	<u>83.3</u>	<u>67.6</u>
21. Unit Avail Factor	<u>92.8</u>	<u>83.3</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>69.4</u>	<u>73.0</u>	<u>58.0</u>
23. Unit Cap Factor (DER Net)	<u>67.2</u>	<u>70.6</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>.6</u>	<u>15.0</u>	<u>15.9</u>
25. Forced Outage Hours	<u>3.8</u>	<u>967.7</u>	<u>9,577.6</u>

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

27. If Currently Shutdown Estimated Start up Date: 12/15/84

X HATCH 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HATCH 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-68	09/01/84	F	3.8	A	2		HC	XXXXXX	LOSS OF CONDENSER VACUUM FROM INLEAKAGE THROUGH CRACK BETWEEN CONDENSER & LP TURBINE. OUTAGE.
84-69	09/01/84	F	0.0	B	5		HC	XXXXXX	LOAD AT APPROXIMATELY 20% DUE TO INSTABILITY OF VACUUM. PROBLEMS BEING RESOLVED.
84-70	09/03/84	F	0.0	F	5		HC	XXXXXX	RAMPING UP FROM VACUUM PROBLEMS TO RATED VIA RECIRC FLOW.
84-71	09/28/84	S	0.0	C	5		RC	FUELXX	REDUCING LOAD FOR SCHEDULED REFUELING OUTAGE.
84-72	09/29/84	S	47.9	C	2		RC	FUELXX	UNIT REFUELING OUTAGE IN PROGRESS.

 * HATCH 1 OPERATED WITH 2 OUTAGES AND 3 REDUCTIONS DURING SEPTEMBER.
 * 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* HATCH 1 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 12, 1974
DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1974
DATE COMMERCIAL OPERATE...DECEMBER 31, 1975

CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

CORPORATE ADDRESS.....333 PIEDMONT AVENUE
ATLANTA, GEORGIA 30308

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER....R. HERMANN
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 AUGUST 14-17 (84-31): THIS SPECIAL UNANNOUNCED INSPECTION ENTAILED 28 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORTS, DESIGN CHANGE REQUEST MODIFICATIONS, AND INDEPENDENT INSPECTION EFFORTS. OF THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 21-24 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS (8 INSPECTOR-HOURS ON BACK SHIFTS) ON SITE IN THE AREAS OF FIRE PROTECTION/PREVENTION PROGRAM AND IMPLEMENTATION. OF THE AREA INSPECTED NO DEVIATIONS WERE FOUND; ONE APPARENT VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW THE INSPECTION INSTRUCTIONS FOR THE 60-DAY HYDRANT HOUSE EQUIPMENT INSPECTION IN ACCORDANCE WITH THE SURVEILLANCE PROCEDURE).

INSPECTION AUGUST 21-24 (84-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOUR, PRE-STARTUP TEST WITNESSING, TEST PROCEDURE REVIEW, AND TEST RESULTS EVALUATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 28-31 (84-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING STARTUP TESTING ACTIVITIES AND REVIEW OF MAINTENANCE ACTIVITIES. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 4-7 (84-37): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF STARTUP TESTING FOLLOWING MAJOR SYSTEM MODIFICATION, TEST DATA REVIEW, AND PLANT TOUR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period SEP 1984

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

* HATCH 1 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013	07/29/84	08/22/84	HPCI AUTO STARTED AND INJECTED INTO THE REACTOR WHEN IT WAS NOT SUPPOSED TO. THE CAUSE OF THIS EVENT WAS A SHORT CIRCUIT.
84-015	08/03/84	08/29/84	UNIT 1 RECEIVED A REACTOR SCRAM ON TURBINE CONTROL VALVE FAST CLOSURE, THE CAUSE OF THESE EVENTS IS COMPONENT FAILURE.

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: P. J. NORTH (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): 804

8. Maximum Dependable Capacity (Net MWe): 748

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>44,472.0</u>
13. Hours Reactor Critical	<u>685.0</u>	<u>1,059.4</u>	<u>28,298.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>566.1</u>	<u>874.3</u>	<u>26,807.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>986,668</u>	<u>1,715,218</u>	<u>57,281,514</u>
18. Gross Elec Ener (MWH)	<u>312,780</u>	<u>555,420</u>	<u>18,860,770</u>
19. Net Elec Ener (MWH)	<u>294,596</u>	<u>507,464</u>	<u>17,925,706</u>
20. Unit Service Factor	<u>78.6</u>	<u>13.3</u>	<u>60.3</u>
21. Unit Avail Factor	<u>78.6</u>	<u>13.3</u>	<u>60.3</u>
22. Unit Cap Factor (MDC Net)	<u>54.7</u>	<u>10.3</u>	<u>53.9</u>
23. Unit Cap Factor (DER Net)	<u>52.2</u>	<u>9.8</u>	<u>51.4</u>
24. Unit Forced Outage Rate	<u>10.5</u>	<u>7.0</u>	<u>11.5</u>
25. Forced Outage Hours	<u>66.2</u>	<u>66.2</u>	<u>3,492.0</u>

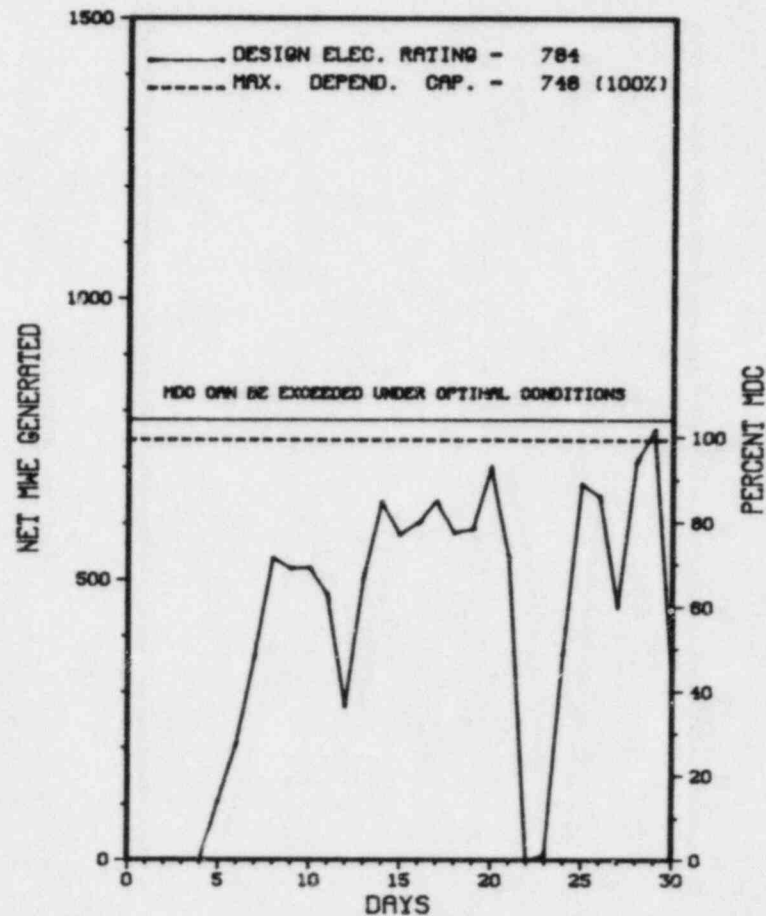
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shu+down Estimated Startup Date: N/A

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HATCH 2



SEPTEMBER 1984

Report Period SEP 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	69.8	H	4		CB	PIPEXX	RECIRC PIPE REPLACEMENT OUTAGE.
84-6	09/03/84	F	28.4	A	9		HA	VESSEL	TURBINE TRIPS DURING STARTUP DUE TO MSR HI LEVEL. UNIT OFF-LINE MAJORITY OF EVENT DURATION.
84-7	09/05/84	S	0.0	B	5		SH	INSTRU	STARTUP TESTING. LOAD INCREASED PER SHIFT SUPERVISOR INSTRUCTIONS.
84-8	09/11/84	F	0.0	A	5		CB	PUMPXX	TRIP OF BOTH RECIRC PUMPS. LOAD REDUCTION.
84-9	09/11/84	S	0.0	B	5		SH	INSTRU	POWER DERATING FOR STARTUP TESTING. LOAD REDUCTION.
84-10	09/11/84	S	0.0	B	5		CB	PUMPXX	TESTING OF SCOOP TUBES ON RECIRC PUMPS.
84-11	09/12/84	S	0.0	F	5		RC	CONROD	PULLING RODS PER STA INSTRUCTIONS FOR RAMP UP.
84-12	09/15/84	F	0.0	A	5		HH	DEMINX	LOAD REDUCTION BECAUSE OF CONDENSATE DEMIN PROBLEMS.
84-13	09/21/84	F	25.6	A	3		CD	VALVEX	REACTOR SCRAM FROM INBOARD MSIV'S DRIFTING CLOSED.
84-14	09/23/84	S	17.9	F	3		SH	INSTRU	STARTUP FROM ABOVE REACTOR SCRAM.
84-15	09/24/84	F	0.0	A	5		HH	PUMPXX	CONDENSATE BOOSTER PUMP TRIPPED. LOAD REDUCTION.
84-16	09/26/84	F	0.0	A	5		CB	PUMPXX	"B" RECIRC PUMP DRIFTING DOWN. LOAD REDUCTION.
84-17	09/30/84	F	12.2	A	3		HC	FILTER	REACTOR SCRAM ON LOSS OF CONDENSER VACUUM.

 * HATCH 2 OPERATED ROUTINELY DURING SEPTEMBER. *
 * 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 SEP 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.....R. HERMANN
DOCKET NUMBER.....50-366
LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 14-17 (84-31): THIS SPECIAL UNANNOUNCED INSPECTION ENTAILED 28 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORTS, DESIGN CHANGE REQUEST MODIFICATIONS, AND INDEPENDENT INSPECTION EFFORTS. OF THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 21-24 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS (8 INSPECTOR-HOURS ON BACK SHIFTS) ON SITE IN THE AREAS OF FIRE PROTECTION/PREVENTION PROGRAM AND IMPLEMENTATION. OF THE AREA INSPECTED NO DEVIATIONS WERE FOUND; ONE APPARENT VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW THE INSPECTION INSTRUCTIONS FOR THE 60-DAY HYDRANT HOUSE EQUIPMENT INSPECTION IN ACCORDANCE WITH THE SURVEILLANCE PROCEDURE).

INSPECTION AUGUST 21-24 (84-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOUR, PRE-STARTUP TEST WITNESSING, TEST PROCEDURE REVIEW, AND TEST RESULTS EVALUATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 28-31 (84-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING STARTUP TESTING ACTIVITIES AND REVIEW OF MAINTENANCE ACTIVITIES. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 4-7 (84-37): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF STARTUP TESTING FOLLOWING MAJOR SYSTEM MODIFICATION, TEST DATA REVIEW, AND PLANT TOUR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-247 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: MIKE BLATT (914) 526-5127

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:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

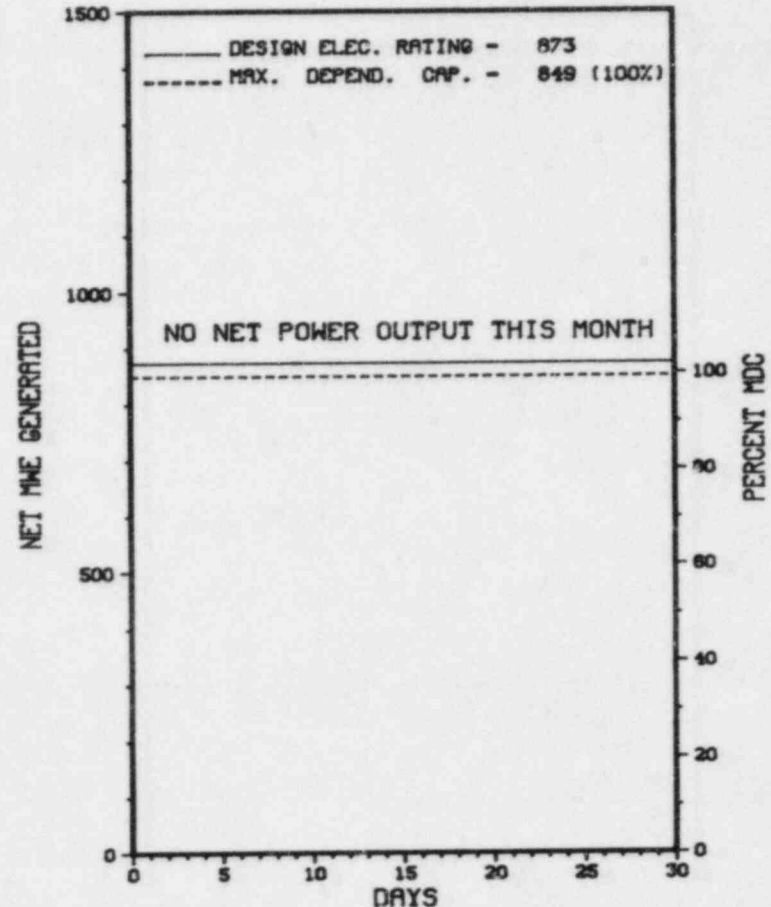
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>89,880.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,228.6</u>	<u>55,176.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,119.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,204.7</u>	<u>57,400.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>8,228,228</u>	<u>149,268,727</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,579,530</u>	<u>46,237,106</u>
19. Net Elec Ener (MWH)	<u>-1,823</u>	<u>1,864,129</u>	<u>43,491,221</u>
20. Unit Service Factor	<u>.0</u>	<u>48.7</u>	<u>63.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>48.7</u>	<u>63.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>33.2</u>	<u>57.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>32.5</u>	<u>55.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.7</u>	<u>9.6</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):
NONE

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 2



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	06/02/84	S	720.0	C	4		RC	FUELXX	CYCLE 6/7 REFUELING OUTAGE CONTINUED FROM AUGUST.

* SUMMARY *

INDIAN POINT 2 REMAINS SHUTDOWN IN A CONTINUING 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)

* INDIAN POINT 2 *

FACILITY DATA

Report Period SEP 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.....P. POLK
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.

XX
X INDIAN POINT 2 X
XX

INSPECTION STATUS - (CONTINUED)

Report Period SEP 1984

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.

REPORTS FROM LICENSEE

=====

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

NO INPUT PROVIDED.

1. Docket: 50-286 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>70,896.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,821.5</u>	<u>40,246.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,595.6</u>	<u>38,737.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,165,700</u>	<u>16,102,263</u>	<u>100,472,099</u>
18. Gross Elec Ener (MWH)	<u>699,680</u>	<u>5,240,595</u>	<u>31,607,206</u>
19. Net Elec Ener (MWH)	<u>674,920</u>	<u>5,045,053</u>	<u>30,289,231</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.1</u>	<u>54.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.1</u>	<u>54.6</u>
22. Unit Cap Factor (MDC Net)	<u>97.1</u>	<u>79.5</u>	<u>44.3</u>
23. Unit Cap Factor (DER Net)	<u>97.1</u>	<u>79.5</u>	<u>44.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.5</u>	<u>22.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>870.3</u>	<u>11,067.1</u>

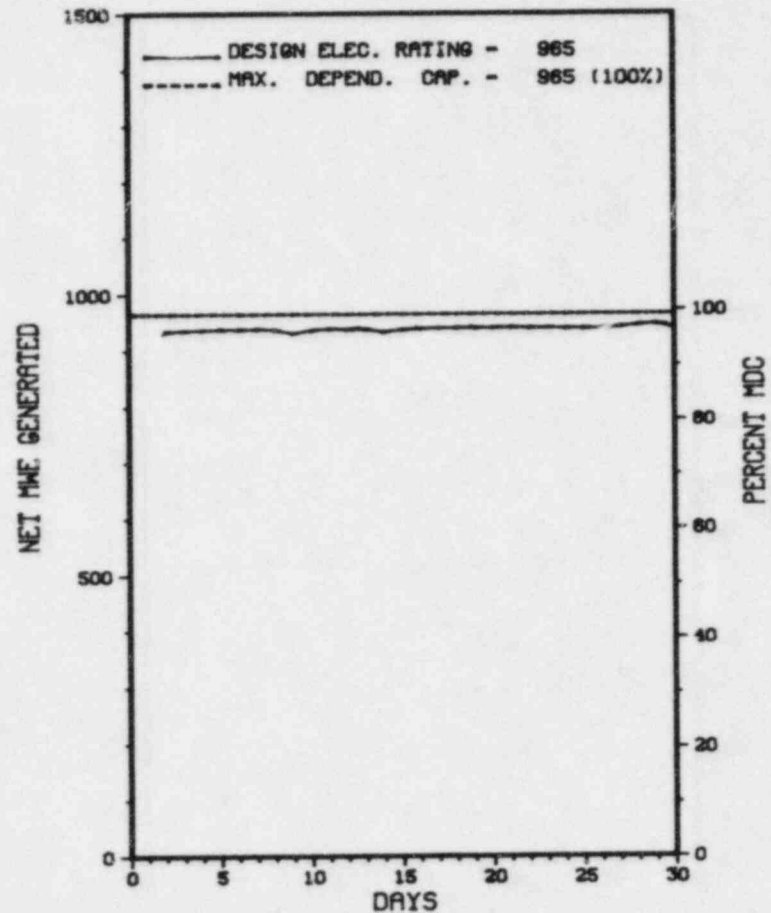
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

S/G INSPECTION: 10/13/84 - 1 MONTH.

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

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 3



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 3 *

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

NONE

***** INDIAN POINT 3 OPERATED WITH NO OUTAGES OR REDUCTIONS DURING SEPTEMBER.
* SUMMARY *

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

* INDIAN POINT 3 *

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

Report Period 3EP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 6, 1976
DATE ELEC ENER 1ST GENER...APRIL 27, 1976
DATE COMMERCIAL OPERATE...AUGUST 30, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.

CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019

CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-305 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>90,240.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,361.5</u>	<u>76,541.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,319.4</u>	<u>75,131.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,183,431</u>	<u>8,485,259</u>	<u>117,456,345</u>
18. Gross Elec Ener (MWH)	<u>392,300</u>	<u>2,800,900</u>	<u>38,659,000</u>
19. Net Elec Ener (MWH)	<u>373,485</u>	<u>2,667,000</u>	<u>36,799,036</u>
20. Unit Service Factor	<u>100.0</u>	<u>80.9</u>	<u>83.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>80.9</u>	<u>83.3</u>
22. Unit Cap Factor (MDC Net)	<u>103.1</u>	<u>80.6</u>	<u>78.5*</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>75.8</u>	<u>76.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>3.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>15.7</u>	<u>2,745.4</u>

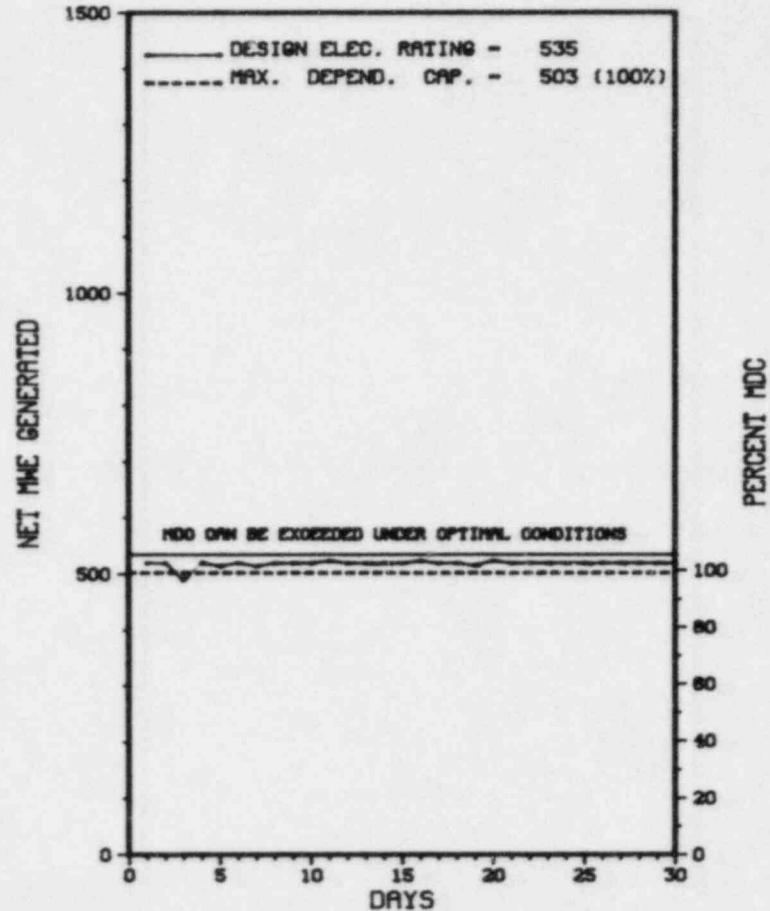
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING & MAINTENANCE: 02/15/85 - 2 MONTHS.

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

* KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* KEWAUNEE *

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

NONE

* SUMMARY *

KEWAUNEE OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING SEPTEMBER.

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

* Kewaunee *

FACILITY DATA

Report Period SEP 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 19002
GREEN BAY, WISCONSIN 54307

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. FAIRTILE
DOCKET NUMBER.....50-305
LICENSE & DATE ISSUANCE...DPR-43, DECEMBER 21, 1973
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF WISCONSIN
LIBRARY LEARNING CENTER
2420 NICOLET DRIVE
GREEN BAY, WISCONSIN 54301

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

INSPECTION SUMMARY

INSPECTION ON JUNE 18-22, 25-29, JULY 5-6, 9-13, 16-20, 23-27, 30-31, AUGUST 1-3, 6-10, (84-09): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; INDEPENDENT INSPECTION; LICENSEE EVENT REPORTS; DESIGN CHANGES AND MODIFICATIONS; AND OPERATING EVENTS. THE INSPECTION INVOLVED A TOTAL OF 103 INSPECTOR-HOURS BY ONE INSPECTOR INCLUDING 16 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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 =

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

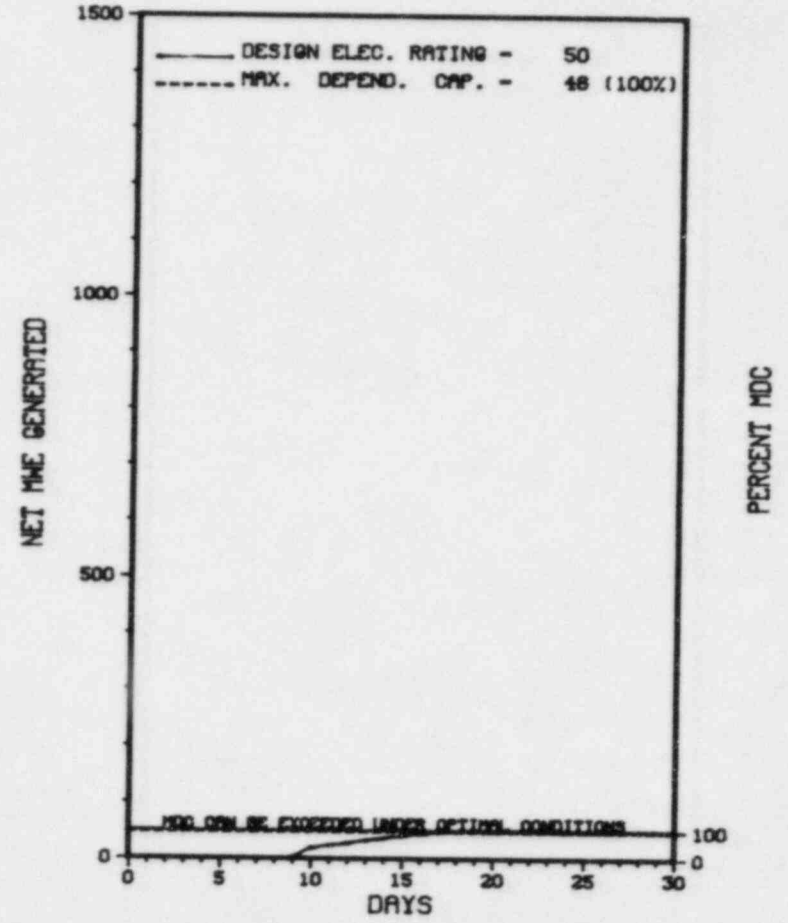
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>130,754.0</u>
13. Hours Reactor Critical	<u>536.3</u>	<u>5,261.3</u>	<u>86,005.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>511.3</u>	<u>4,942.5</u>	<u>79,778.8</u>
16. Unit Reserve Shtdwn. Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>74,158</u>	<u>735,355</u>	<u>11,017,659</u>
18. Gross Elec Ener (MWH)	<u>23,489</u>	<u>232,939</u>	<u>3,290,167</u>
19. Net Elec Ener (MWH)	<u>22,041</u>	<u>218,858</u>	<u>3,046,093</u>
20. Unit Service Factor	<u>71.0</u>	<u>75.2</u>	<u>61.0</u>
21. Unit Avail Factor	<u>71.0</u>	<u>75.2</u>	<u>61.1</u>
22. Unit Cap Factor (MDC Net)	<u>63.8</u>	<u>69.3</u>	<u>48.5</u>
23. Unit Cap Factor (DER Net)	<u>61.2</u>	<u>66.6</u>	<u>46.6</u>
24. Unit Forced Outage Rate	<u>29.0</u>	<u>22.4</u>	<u>10.4</u>
25. Forced Outage Hours	<u>208.7</u>	<u>1,426.3</u>	<u>8,269.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, MARCH 1, 1985, 6 WEEKS.

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

* LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
LA CROSSE



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* LA CROSSE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-09	08/29/84	F	208.7	A	4		RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN AFTER UPPER CONTROL ROD DRIVE MECHANISM (UCRMD) NO. 19 STARTED LEAKING WATER AT THE FLANGE. THE UCRDM SEALING SURFACES WERE POLISHED AND THE O-RING WAS REPLACED.

* SUMMARY *

LACROSSE RETURNED ONLINE FROM A REPAIR OUTAGE ON SEPTEMBER 9TH, AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

* LA CROSSE *

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

Report Period SEP 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 FOR THIS TIME PERIOD

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: RANDY S. DUS (815) 357-6761 X324

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:
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>720.0</u>	<u>6,575.0</u>	<u>6,575.0</u>
13. Hours Reactor Critical	<u>631.4</u>	<u>5,377.2</u>	<u>5,377.2</u>
14. Rx Reserve Shtdwn Hrs	<u>88.6</u>	<u>1,164.9</u>	<u>1,164.9</u>
15. Hrs Generator On-Line	<u>608.0</u>	<u>5,193.7</u>	<u>5,193.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>1,455,185</u>	<u>20,717,727</u>	<u>20,717,727</u>
18. Gross Elec Ener (MWH)	<u>456,560</u>	<u>4,739,789</u>	<u>4,739,789</u>
19. Net Elec Ener (MWH)	<u>432,697</u>	<u>4,512,808</u>	<u>4,512,808</u>
20. Unit Service Factor	<u>84.4</u>	<u>79.0</u>	<u>79.0</u>
21. Unit Avail Factor	<u>84.4</u>	<u>79.0</u>	<u>79.0</u>
22. Unit Cap Factor (MDC Net)	<u>55.7</u>	<u>63.7</u>	<u>63.7</u>
23. Unit Cap Factor (DER Net)	<u>55.7</u>	<u>63.7</u>	<u>63.7</u>
24. Unit Forced Outage Rate	<u>10.0</u>	<u>17.1</u>	<u>17.1</u>
25. Forced Outage Hours	<u>67.7</u>	<u>1,073.1</u>	<u>1,073.1</u>

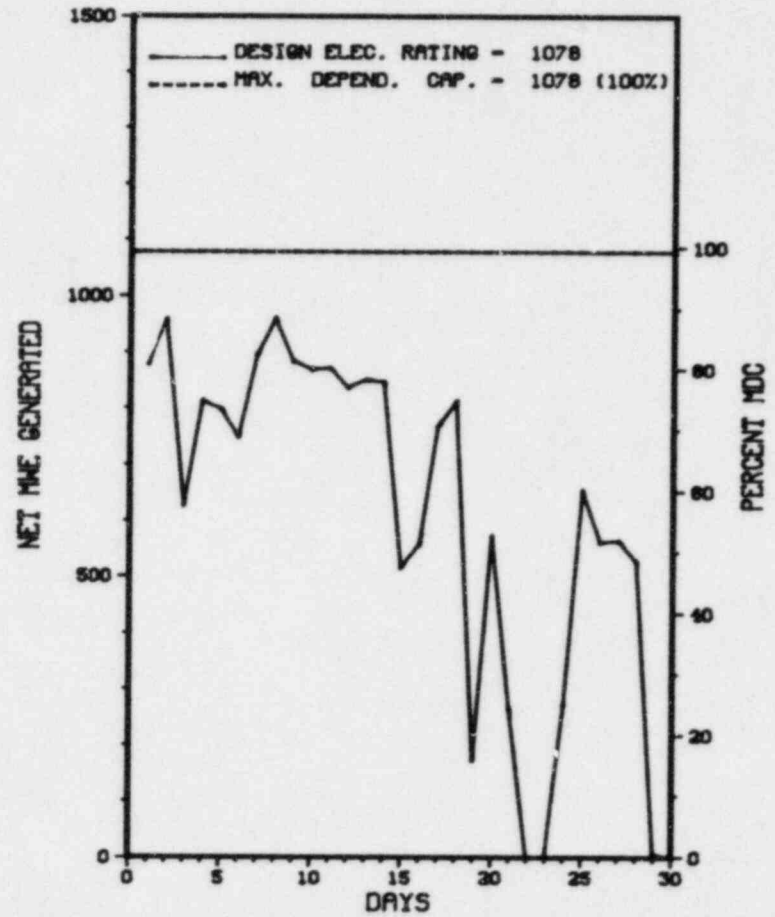
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/01/84

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	09/03/84	S	0.0	H	5				REDUCED POWER PER LOAD DISPATCHER.
17	09/14/84	S	0.0	H	5				REDUCED POWER PER LOAD DISPATCHER.
18	09/19/84	F	5.3	B	1				REDUCED POWER TO TROUBLESHOT MAIN GENERATOR VOLTAGE IMBALANCE DUE TO POT TRANSFORMER FUSES.
19	09/21/84	F	62.4	B	3				REACTOR SCRAM CAUSED BY IM SURVEILLANCE LIS-MS-01.
20	09/29/84	S	44.3	H	1				TURBINE OFF LINE FOR SCHEDULED OUTAGE.

 * SUMMARY *

 LASALLE 1 OPERATED WITH 3 OUTAGES AND 2 REDUCTIONS, SHUTTING DOWN ON SEPTEMBER 29TH FOR 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)

* LASALLE 1 *

FACILITY DATA

Report Period SEP 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.....M. JORDAN
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 AUGUST 21-24, (84-21): ROUTINE UNANNOUNCED OPERATIONAL INSPECTION OF GENERAL ORIENTATION TRAINING; CONTAMINATION CONTROLS; FILTER SYSTEMS DRAINS; AND POSTIMPLEMENTATION REVIEW OF NUREG-0737 TASK ITEM II.F.1.2. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period SEP 1984

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

* LASALLE 1 *

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUTDOWN FOR A 30 DAY SURVEILLANCE OUTAGE

LAST IE SITE INSPECTION DATE: SEPTEMBER 19 - OCTOBER 29, 1984

INSPECTION REPORT NO: 84-26

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
84-47	08/07/84	08/28/84	REACTOR WATER CLEANUP HIGH DIFFERENTIAL FLOW ISOLATION
84-48	08/10/84	08/31/84	MISSED NOBLE GAS SAMPLE FROM U-1 SBGT AND PARTICULATE AND IODINE SAMPLES COUNTED LATE
84-49	08/24/84	09/18/84	SECONDARY CONTAINMENT ISOLATION DURING TESTING
84-50	08/28/84	09/19/84	REACTOR WATER CLEANUP ISOLATION - DIFFERENTIAL FLOW

=====

1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: RANDY S. DUS (815) 357-6761 X324

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>720.0</u>	<u>3,917.9</u>	<u>3,917.9</u>
13. Hours Reactor Critical	<u>619.6</u>	<u>2,858.0</u>	<u>2,858.0</u>
14. Rx Reserve Shtdwn Hrs	<u>100.4</u>	<u>1,059.9</u>	<u>1,059.9</u>
15. Hrs Generator On-Line	<u>579.8</u>	<u>2,521.7</u>	<u>2,521.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,515,746</u>	<u>4,796,546</u>	<u>4,796,546</u>
18. Gross Elec Ener (MWH)	<u>502,128</u>	<u>1,417,452</u>	<u>1,417,452</u>
19. Net Elec Ener (MWH)	<u>482,895</u>	<u>1,343,615</u>	<u>1,343,615</u>
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	<u>17.0</u>	<u>749.7</u>	<u>749.7</u>

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

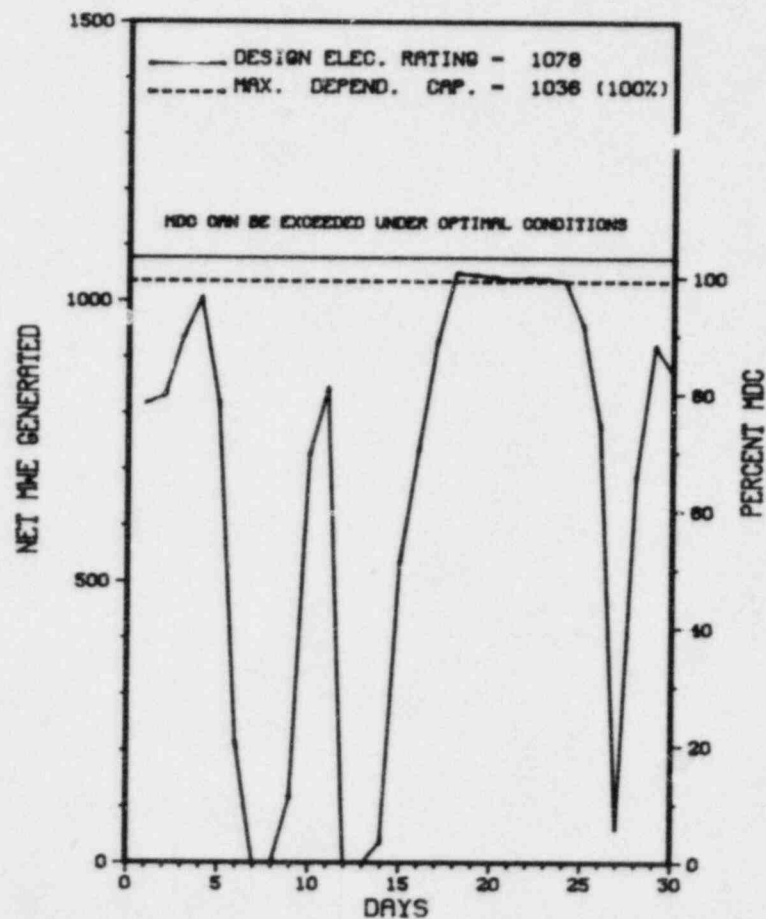
NONE

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

 * LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
28	09/05/84	S	0.0	B	5				REDUCED POWER FOR STP-30, REACTOR RECIRCULATION PUMP TRIP.
29	09/06/84	S	80.0	B	3				REACTOR SCRAM FOR STP-25 MSIV CLOSURE.
30	09/12/84	S	43.2	B	3				REACTOR SCRAM FOR STP-27-2 TURBINE CONTROL VALVE FAST CLOSURE.
31	09/25/84	F	0.0	A	5				REDUCED POWER DUE TO FCV OPERATION W/O LVDT FEEDBACK.
32	09/27/84	F	17.0	A	3				TURBINE TRIP ON HIGH VIBRATION.

 * SUMMARY *

 LASALLE 2 OPERATED ROUTINELY WITH 3 OUTAGES AND 2 REDUCTIONS IN THE MONTH OF SEPTEMBER.

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 2 *

FACILITY DATA

Report Period SEP 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.....M. JORDAN
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

INSPECTION ON AUGUST 21-24, (84-27): ROUTINE UNANNOUNCED OPERATIONAL INSPECTION OF GENERAL ORIENTATION TRAINING; CONTAMINATION CONTROLS; FILTER SYSTEMS DRAINS; AND POSTIMPLEMENTATION REVIEW OF NUREG-0737 TASK ITEM II.F.1.2. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period SEP 1984 R E P O R T S F R O M L I C E N S E E - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* LASALLE 2
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>104,267.6</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,570.4</u>	<u>83,181.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,452.0</u>	<u>80,531.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,872,024</u>	<u>10,967,843</u>	<u>180,079,631</u>
18. Gross Elec Ener (MWH)	<u>615,530</u>	<u>3,588,020</u>	<u>58,941,170</u>
19. Net Elec Ener (MWH)	<u>595,807</u>	<u>3,465,688</u>	<u>56,167,390</u>
20. Unit Service Factor	<u>100.0</u>	<u>67.7</u>	<u>77.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>67.7</u>	<u>77.2</u>
22. Unit Cap Factor (MDC Net)	<u>102.2</u>	<u>65.1</u>	<u>68.6*</u>
23. Unit Cap Factor (DER Net)	<u>100.3</u>	<u>63.9</u>	<u>66.5*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>7.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>83.8</u>	<u>5,497.2</u>

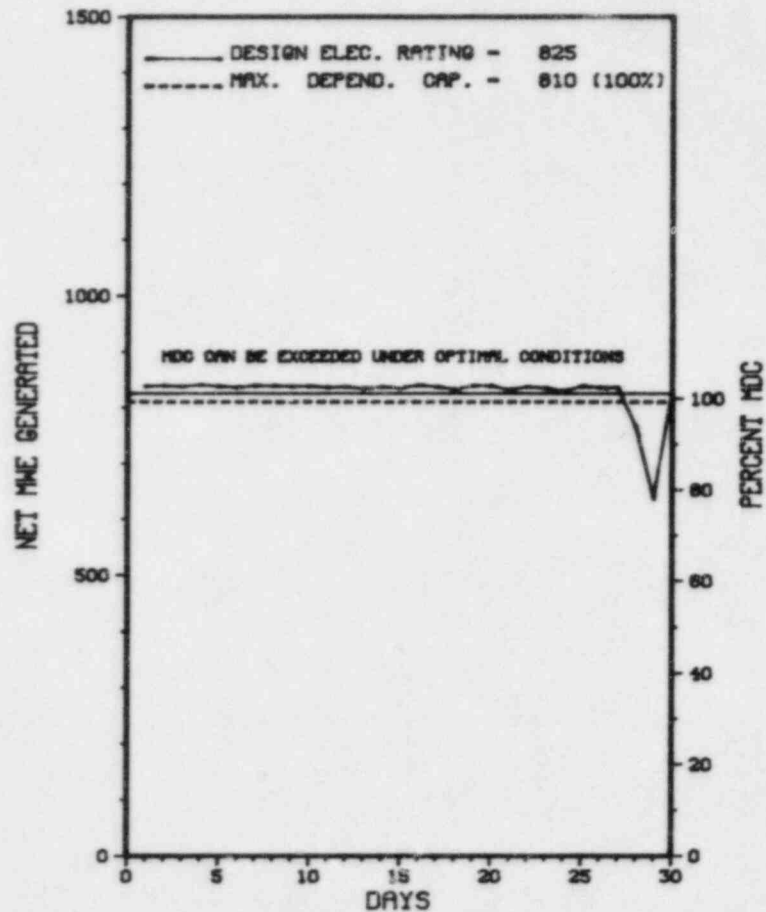
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/28/84	S	0.0	B	5		HA	VALVEX	REDUCED POWER FOR ROUTINE TURBINE VALVE TESTING, MUSSEL CONTROL AND TO REPAIR HEATER DRAIN TANK LEVEL CONTROL VALVE (HD-A-180) ACTUATOR, POSITIONER AND CONTROLLER.

***** MAINE YANKEE OPERATED AT FULL POWER WITH 1 REDUCTION DURING SEPTEMBER.
* 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)

* MAINE YANKEE *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50 APPENDIX B CRITERIA VIII REQUIRES PROPER MARKING BY HEAT NUMBER, PART NUMBER, ETC., THROUGHOUT FABRICATION, INSTALLATION AND USE. CONTRARY TO THE ABOVE PROPER TRACABILITY WAS NOT PROVIDED FOR PORTIONS OF THE AUXILIARY FEEDWATER SYSTEM.

10 CFR 50 APPENDIX B CRITERIA X AND THE MAINE YANKEE QUALITY ASSURANCE PROGRAM REQUIRES INSPECTIONS OF ACTIVITIES TO VERIFY CONFORMANCE WITH DOCUMENTED INSTRUCTIONS. CONTRARY TO THE ABOVE, ON APRIL 18, 1984, INSPECTION OF WELDING ON THE STEAM GENERATOR THERMAL SLEEVE WAS SIGNED OFF PRIOR TO COMPLETION OF WELDING.
(8406 4)

APPENDIX R OF 10 CFR 50 REQUIRES FIRE DOORS BE INSPECTED DAILY TO VERIFY DOORWAYS ARE FREE FROM OBSTRUCTIONS. CONTRARY TO THE ABOVE, ON APRIL 5, 1984, THE RCA STORAGE DOOR WAS INTENTIONALLY BLOCKED OPEN. TECHNICAL SPECIFICATION 3.16.B.3 REQUIRES EXPECTED DISCHARGE MONITOR RESULTS BE COMPARED TO ACTUAL RESULTS. T.S. 5.10 REQUIRES RETENTION OF RECORDS OF RELEASES FOR THE DURATION OF PLANT LICENSE. CONTRARY TO THE ABOVE, RECORDS PERTAINING TO AN APRIL 2, 1984 DISCHARGE OF STEAM GENERATOR #1 WERE NOT RETAINED.
10 CFR 50 APPENDIX B CRITERIA V AND THE MAINE YANKEE QUALITY ASSURANCE PROGRAM REQUIRES PROCEDURAL COMPLIANCE. CONTRARY TO THE

Report Period SEP 1984

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

* MAINE YANKEE *

ENFORCEMENT SUMMARY

ABOVE ON APRIL 17, 1984. NO LOG WAS MAINTAINED OF ITEMS TAKEN INTO THE STEAM GENERATORS DURING REPAIRS.
(8406 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

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

=====

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>24,839.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,803.3</u>	<u>17,331.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,739.9</u>	<u>16,689.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,480,184</u>	<u>15,544,001</u>	<u>42,981,070</u>
18. Gross Elec Ener (MWH)	<u>842,225</u>	<u>5,401,221</u>	<u>14,918,345</u>
19. Net Elec Ener (MWH)	<u>811,879</u>	<u>5,177,013</u>	<u>14,133,268</u>
20. Unit Service Factor	<u>100.0</u>	<u>72.1</u>	<u>67.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>72.1</u>	<u>67.2</u>
22. Unit Cap Factor (MDC Net)	<u>95.6</u>	<u>66.7</u>	<u>48.2</u>
23. Unit Cap Factor (DER Net)	<u>95.6</u>	<u>66.7</u>	<u>48.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>16.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>214.4</u>	<u>3,299.9</u>

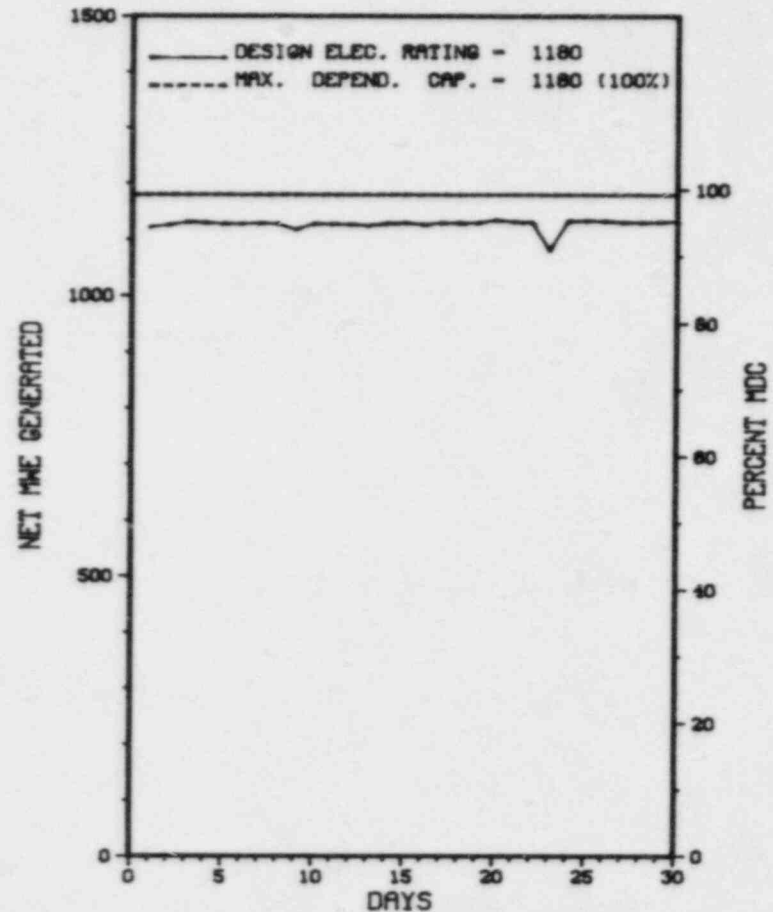
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE - 11/24/84; REFUELING - 04/04/85.

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

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
33-P	09/09/84	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCH REDUCTION.
34-P	09/22/84	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT TESTING.
35-P	09/23/84	F	0.0	A	5		IF	INSTRU	TROUBLESHOOTING TURBINE CONTROLS.

 * SUMMARY *

 MCGUIRE 1 OPERATED WITH 3 REDUCTIONS AND NO OUTAGES DURING SEPTEMBER.

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 1 *

FACILITY DATA

Report Period SEP 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 APRIL 16-20 (84-10): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREA OF LICENSEE EVENT FOLLOWUP. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW INDEPENDENT VERIFICATION PROCEDURE, RESULTING IN AN INOPERABLE CENTRIFUGAL CHARGING PUMP FOR SEVEN DAYS.

INSPECTION MAY 20 - JUNE 20 (84-17): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 122 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES AND OPEN ITEMS REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 30 - AUGUST 8 (84-22): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF INSERVICE INSPECTION-REVIEW AND EVALUATION OF RECORDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 20 - AUGUST 20 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 84 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FILE A REPORT ON LOOSE PARTS MONITOR.

INSPECTION AUGUST 20-22 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 31 INSPECTOR-HOURS (8 INSPECTOR-HOURS ON BACKSHIFT) AT THE SITE IN THE AREAS OF EVENT FOLLOWUP. NO VIOLATIONS/DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-370 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>5,135.0</u>	<u>5,135.0</u>
13. Hours Reactor Critical	<u>695.0</u>	<u>4,150.3</u>	<u>4,150.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>690.2</u>	<u>4,121.3</u>	<u>4,121.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,272,550</u>	<u>13,568,563</u>	<u>13,568,563</u>
18. Gross Elec Ener (MWH)	<u>793,036</u>	<u>4,810,784</u>	<u>4,810,784</u>
19. Net Elec Ener (MWH)	<u>763,083</u>	<u>4,619,852</u>	<u>4,619,852</u>
20. Unit Service Factor	<u>95.9</u>	<u>80.3</u>	<u>80.3</u>
21. Unit Avail Factor	<u>95.9</u>	<u>80.3</u>	<u>80.3</u>
22. Unit Cap Factor (MDC Net)	<u>89.8</u>	<u>76.2</u>	<u>76.2</u>
23. Unit Cap Factor (DER Net)	<u>89.8</u>	<u>76.2</u>	<u>76.2</u>
24. Unit Forced Outage Rate	<u>4.1</u>	<u>18.4</u>	<u>18.4</u>
25. Forced Outage Hours	<u>29.8</u>	<u>927.1</u>	<u>927.1</u>

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

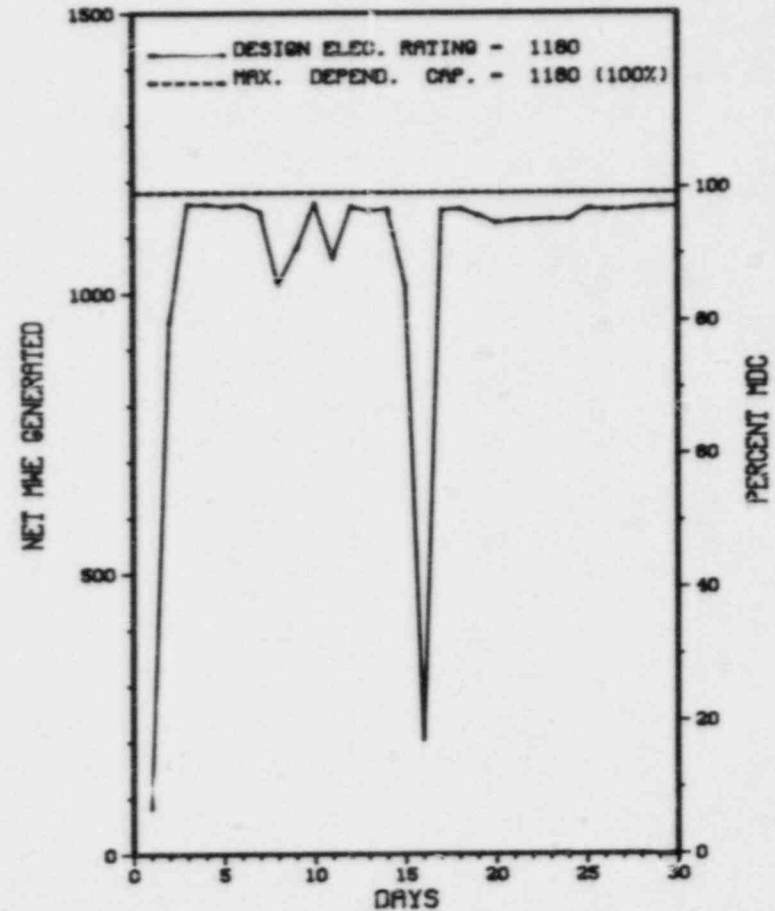
REFUELING - JANUARY 30, 1985 - 8 WEEKS.

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

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	09/01/84	F	14.9	G	3		ZZ	ZZZZZZ	TECHNICIAN WORKED ON WRONG CONNECTION DURING PROTECTION CABINET TESTING.
44-P	09/01/84	F	0.0	A	5		CH	INSTRU	ERRONEOUS THRUST BEARING WEAR SIGNAL ON FEEDWATER PUMP.
45-P	09/02/84	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP CONTROL PROBLEMS.
46-P	09/07/84	F	0.0	A	5		CC	VALVEX	ISOLATE FEEDWATER HEATER TO REPAIR RELIEF VALVE.
47-P	09/07/84	S	0.0	B	5		IB	INSTRU	INCORE/EXCORE CALIBRATIONS.
48-P	09/08/84	F	0.0	G	5		ZZ	ZZZZZZ	INADVERTENT OVERBORATION.
49-P	09/08/84	S	0.0	B	5		IB	INSTRU	INCORE/EXCORE CALIBRATIONS.
50-P	09/10/84	F	0.0	A	5		CH	INSTRU	REPAIR FEEDWATER PUMP CONTROL OIL.
51-P	09/12/84	F	0.0	A	5		CH	HTEXCH	ISOLATE FEEDWATER HEATERS FOR WELDING.
13	09/16/84	F	14.9	A	i		CB	PUMPXX	CHECK/ADD OIL TO THE REACTOR COOLANT PUMPS.
52-P	09/19/84	F	0.0	A	5		HH	PUMPXX	HEATER DRAIN PUMP OUT OF SERVICE FOR SEAL WORK.
53-P	09/26/84	F	0.0	A	5		HH	PUMPXX	HEATER DRAIN PUMP TRIPPED DUE TO EMERGENCY LOW LEVEL.

 * SUMMARY *

 MCGUIRE 2 OPERATED WITH 2 OUTAGES AND NUMEROUS REDUCTIONS DURING SEPTEMBER.

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		

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>121,319.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,781.2</u>	<u>91,545.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,775.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,710.3</u>	<u>88,727.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>26.5</u>
17. Gross Therm Ener (MWH)	<u>1,431,526</u>	<u>9,012,893</u>	<u>162,061,761</u>
18. Gross Elec Ener (MWH)	<u>481,000</u>	<u>3,060,300</u>	<u>54,423,496</u>
19. Net Elec Ener (MWH)	<u>459,866</u>	<u>2,914,407</u>	<u>51,895,664</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.6</u>	<u>73.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.6</u>	<u>73.2</u>
22. Unit Cap Factor (MDC Net)	<u>97.7</u>	<u>67.8</u>	<u>65.4</u>
23. Unit Cap Factor (DER Net)	<u>96.8</u>	<u>67.2</u>	<u>64.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.9</u>	<u>13.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>41.5</u>	<u>5,715.2</u>

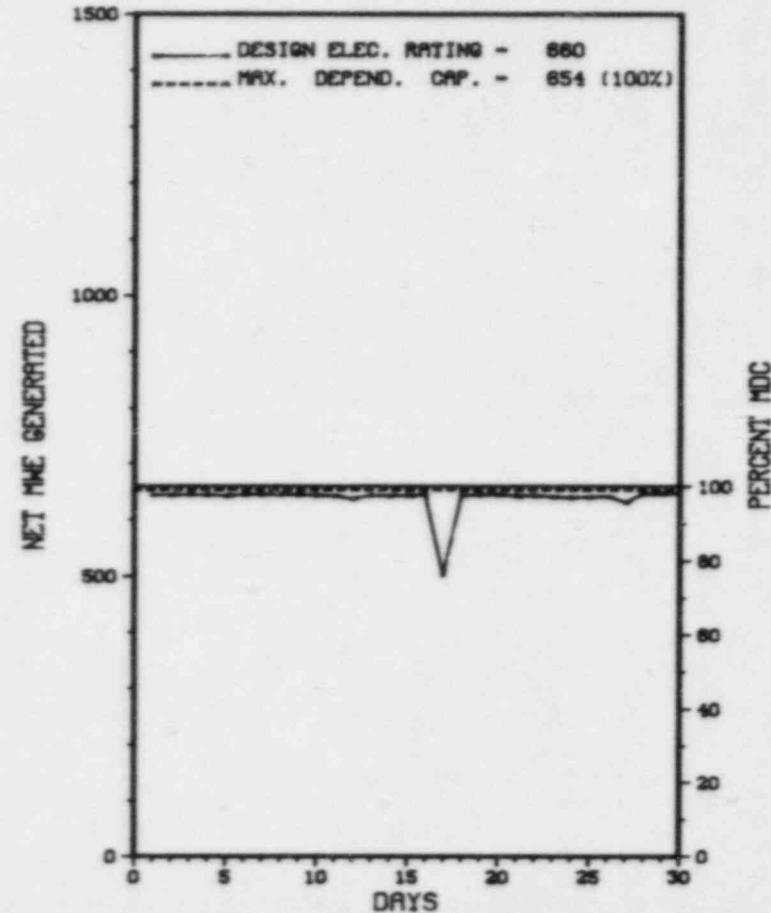
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
5	09/17/84	S	0.0	B	5			REDUCED POWER TO REBRUSH 'A' RECIRCULATION M.G. SET.

* SUMMARY *

MILLSTONE 1 OPERATED AT FULL POWER WITH 1 REDUCTION DURING SEPTEMBER.

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 *

FACILITY DATA

Report Period SEP 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 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: R. BORCHERT (203) 447-1791 X4418

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

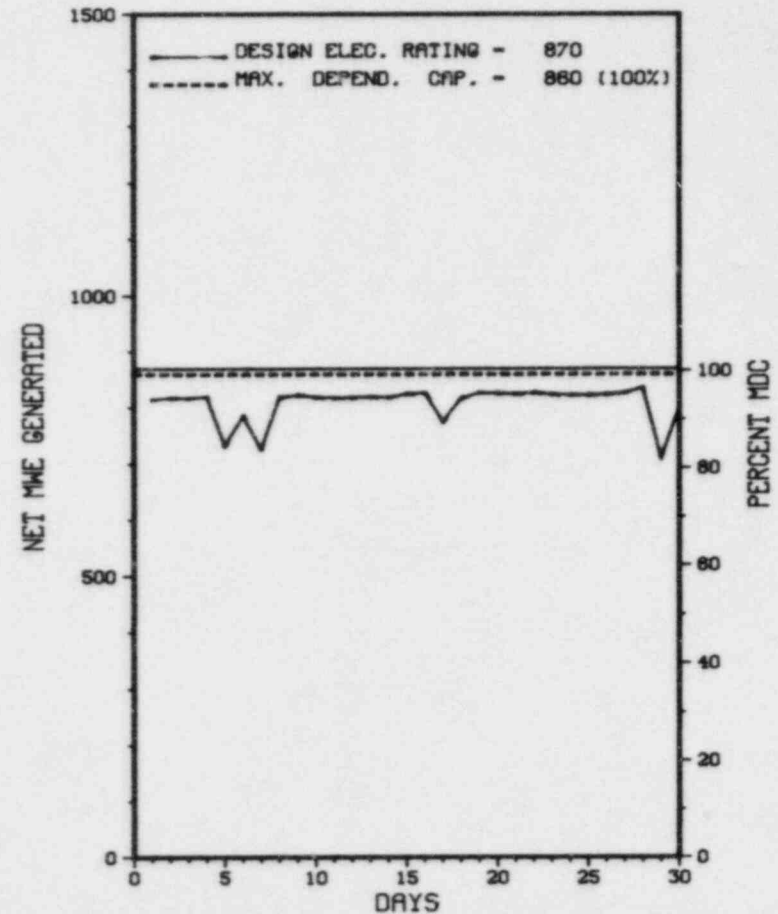
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>76,847.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,451.9</u>	<u>54,816.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,149.1</u>	<u>52,331.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,910,948</u>	<u>15,911,059</u>	<u>132,227,435</u>
18. Gross Elec Ener (MWH)	<u>604,400</u>	<u>5,109,401</u>	<u>42,906,773</u>
19. Net Elec Ener (MWH)	<u>582,128</u>	<u>4,909,654</u>	<u>41,126,402</u>
20. Unit Service Factor	<u>100.0</u>	<u>93.5</u>	<u>68.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>93.5</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>94.0</u>	<u>86.8</u>	<u>63.6*</u>
23. Unit Cap Factor (DER Net)	<u>92.9</u>	<u>85.8</u>	<u>62.8*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.7</u>	<u>17.5</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):
REFUELING & MAINTENANCE: 02/85 - 2 MONTHS.

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

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 2



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	09/05/84	F	0.0	A	5		SG	COND	REDUCED POWER FROM 100% TO 80% POWER TO PERFORM LEAK CHECK TESTS ON CONDENSER "D" WATER BOX. LEAK CHECKS PERFORMED AND WATER BOX CLOSED.
10	09/07/84	F	0.0	A	5		AA	ROD	WHILE AT 100% POWER CEA NO. 26 DROPPED INTO CORE DUE TO POWER SUPPLY FAILURE. POWER WAS REDUCED TO < 70% POWER AND CEA WAS RECOVERED.

 * SUMMARY *

 MILLSTONE 2 OPERATED WITH 2 REDUCTIONS DURING SEPTEMBER.

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)

* MILSTONE 2 *

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

Report Period SEP 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
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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 SEP 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. Cocket: 50-263 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>116,184.0</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>-1,232</u>	<u>270,633</u>	<u>43,182,939</u>
20. Unit Service Factor	<u>.0</u>	<u>12.3</u>	<u>75.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>12.3</u>	<u>75.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>7.8</u>	<u>70.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>7.6</u>	<u>68.2</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>

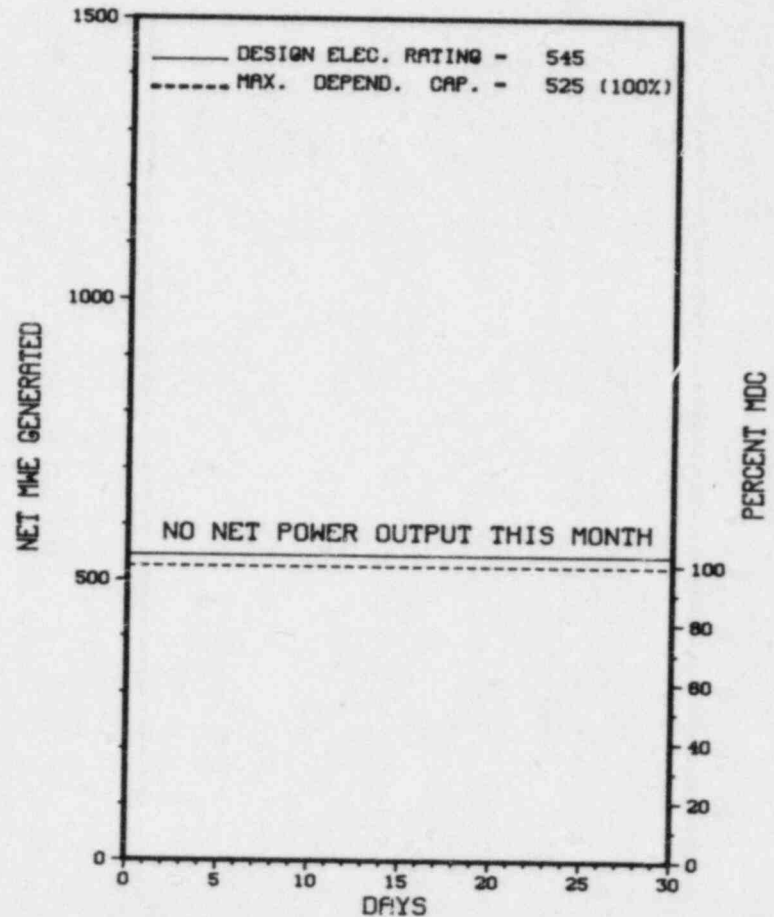
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
FE3, 3, 1984 - REFUELING OUTAGE - 286 DAYS.

27. If Currently Shutdown Estimated Startup Date: 11/15/84

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



SEPTEMBER 1984

Report Period SEP 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	720.0	C	4		ZZ	ZZZZZZ	CONTINUATION OF 1984 REFUELING OUTAGE.

***** MONTICELLO 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)

* MONTICELLO *

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

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....WRIGHT

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NW OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...DECEMBER 10, 1970

DATE ELEC ENER 1ST GENER...MARCH 5, 1971

DATE COMMERCIAL OPERATE...JUNE 30, 1971

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...MISSISSIPPI RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....C. BROWN

LICENSING PROJ MANAGER....V. ROONEY
DOCKET NUMBER.....50-263

LICENSE & DATE ISSUANCE...DPR-22, JANUARY 9, 1981

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MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON MAY 29-31, JULY 2-3, AND AUGUST 31, (84-13): ANNOUNCED SPECIAL SAFETY INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES, RECIRCULATION SYSTEM PIPING REPLACEMENT, AND LICENSEE ACTION ON IE BULLETINS AND A 10 CFR PART 21 REPORTS. THIS INSPECTION INVOLVED A TOTAL OF 56 INSPECTION-HOURS BY ONE NRC INSPECTOR INCLUDING 14 INSPECTOR-HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 8 - AUGUST 11, (84-15): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; DESIGN CHANGES AND MODIFICATIONS; ONSITE REVIEW COMMITTEE; AND LONG-TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 56 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 12 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED AUGUST 6-10, (84-18): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; AUDITS, TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREAS AND ALARM STATIONS. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS OF DIRECT INSPECTION EFFORT BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT; FIVE 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.

Report Period SEP 1984

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

* MONTICELLO *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS SHUT DOWN FOR EXTENDED OUTAGE. THE MAJOR ACTIVITY DURING THE OUTAGE WILL BE REPLACEMENT OF THE RECIRCULATION SYSTEM PIPING.

LAST IE SITE INSPECTION DATE: OCTOBER 10-12, 1984

INSPECTION REPORT NO: 84-23

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
NONE			

=====

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>130,751.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,289.0</u>	<u>90,591.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,226.5</u>	<u>87,714.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>1,322,794</u>	<u>7,386,876</u>	<u>145,481,233</u>
18. Gross Elec Ener (MWH)	<u>438,954</u>	<u>2,460,438</u>	<u>48,092,220</u>
19. Net Elec Ener (MWH)	<u>425,628</u>	<u>2,384,631</u>	<u>46,579,390</u>
20. Unit Service Factor	<u>100.0</u>	<u>64.3</u>	<u>67.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>64.3</u>	<u>67.1</u>
22. Unit Cap Factor (MDC Net)	<u>96.9</u>	<u>59.5</u>	<u>58.4</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>58.5</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>16.7</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):

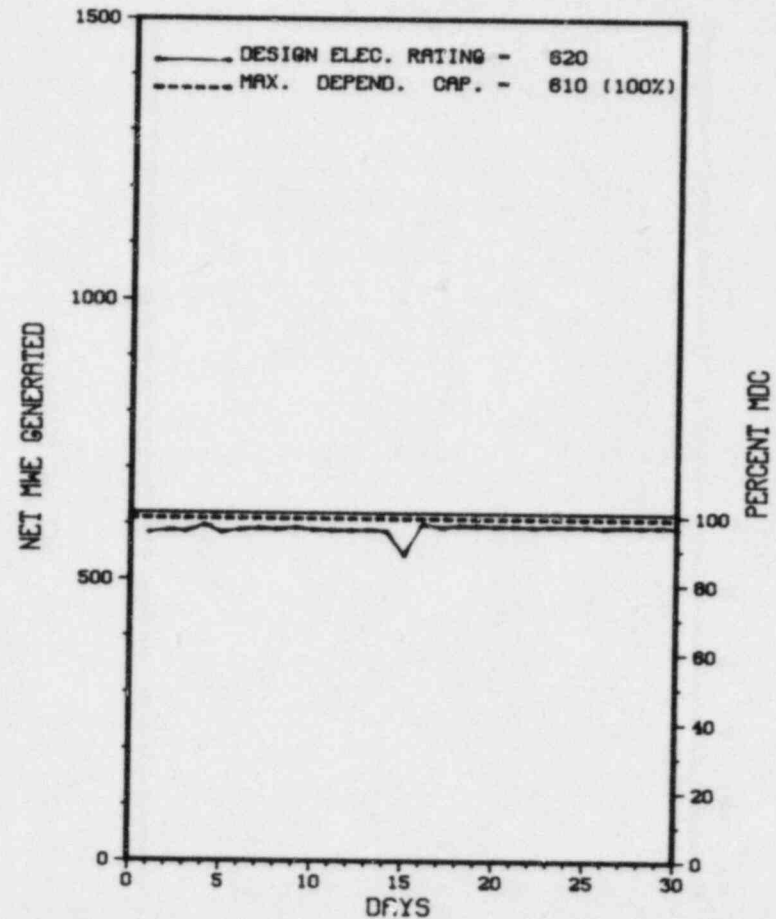
NONE

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

* NINE MILE POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8413	07/14/84	S	0.0	H	5				LOAD REDUCTION TO 66.3% CTP FOR CONTROL ROD SEQUENCE EXCHANGE.

* SUMMARY *

NINE MILE POINT 1 OPERATED AT NEAR FULL POWER WITH 1 REDUCTION DURING SEPTEMBER.

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

* NINE MILE POINT 1 *

FACILITY DATA

Report Period SEP 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 GENR...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 CORP.
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 NUMBFR.....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 SEP 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

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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: 50-338 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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): 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>720.0</u>	<u>6,575.0</u>	<u>55,416.0</u>
13. Hours Reactor Critical	<u>132.3</u>	<u>2,574.6</u>	<u>36,161.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>7.1</u>	<u>2,182.8</u>
15. Hrs Generator On-Line	<u>41.9</u>	<u>2,461.9</u>	<u>35,123.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>37,740</u>	<u>6,634,476</u>	<u>91,690,253</u>
18. Gross Elec Ener (MWH)	<u>10,428</u>	<u>2,248,695</u>	<u>29,632,881</u>
19. Net Elec Ener (MWH)	<u>8,791</u>	<u>2,135,396</u>	<u>27,966,610</u>
20. Unit Service Factor	<u>5.8</u>	<u>37.4</u>	<u>63.4</u>
21. Unit Avail Factor	<u>5.8</u>	<u>37.4</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>1.4</u>	<u>36.7</u>	<u>56.7</u>
23. Unit Cap Factor (DER Net)	<u>1.3</u>	<u>35.8</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>54.8</u>	<u>24.6</u>	<u>13.5</u>
25. Forced Outage Hours	<u>50.9</u>	<u>803.1</u>	<u>5,371.3</u>

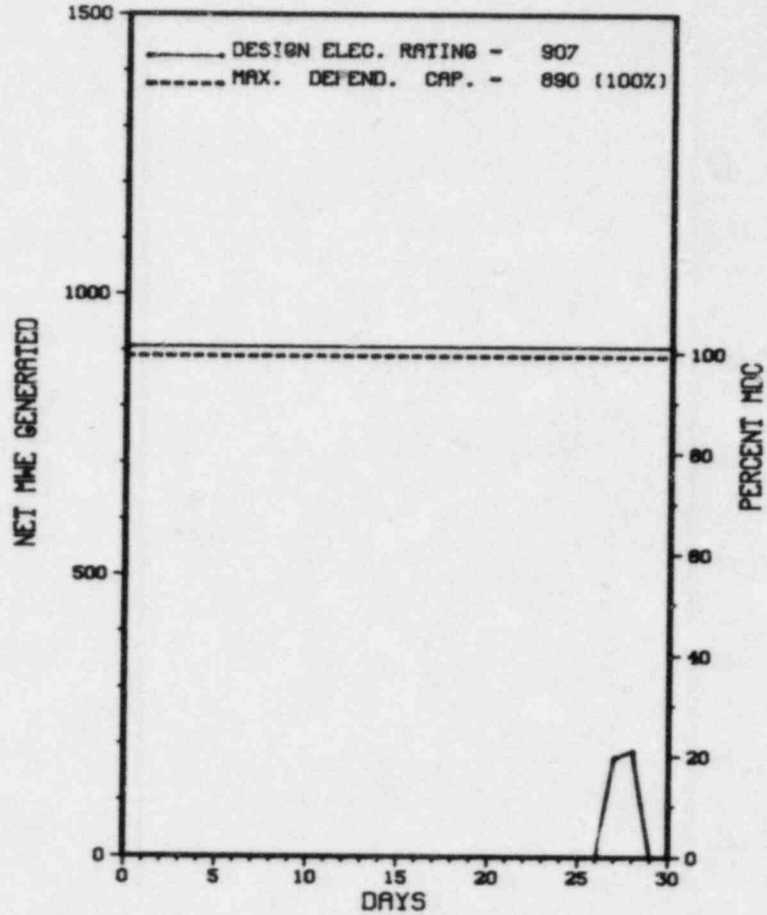
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
FALL MAINTENANCE: 11/23/84 - 12/3/84; 10 DAYS.

27. If Currently Shutdown Estimated Startup Date: 10/01/84

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-14	05/11/84	S	627.2	C	4			CONTINUATION OF UNIT 1 REFUELING OUTAGE. UNIT 1 ON LINE SEPTEMBER 27 AT 0315.
84-15	09/28/84	F	43.7	A	3	84-014		REACTOR TRIP DUE TO HI-HI LEVEL IN 'B' STEAM GENERATOR.
84-16	09/30/84	F	7.2	A	3	84-015		REACTOR TRIP DUE TO LO-LO LEVEL IN STEAM GENERATOR. ENDED THIS MONTH WITH UNIT 1 IN MODE 1.

 * SUMMARY *

 NORTH ANNA 1 OPERATED WITH 3 OUTAGES, SHUTTING DOWN ON SEPTEMBER 30TH 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* NORTH ANNA 1 *

FACILITY DATA

Report Period SEP 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 AUGUST 4-10 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS (6 INSPECTOR-HOURS ON THE BACKSHIFT) ON SITE IN THE AREAS OF EXTERNAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY, SURVEYS, MONITORING, AND CONTROL OF RADIOACTIVE MATERIAL, SOLID WASTE, GASEOUS WASTE SYSTEM, LIQUIDS AND LIQUID WASTES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

1. Docket: 50-339 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>33,287.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>4,814.3</u>	<u>24,461.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>14.6</u>	<u>2,254.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>4,714.5</u>	<u>23,992.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,215,461</u>	<u>62,636,491</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,026,505</u>	<u>20,762,872</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>3,812,318</u>	<u>19,664,400</u>
20. Unit Service Factor	<u>.0</u>	<u>71.7</u>	<u>72.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>71.7</u>	<u>72.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>65.1</u>	<u>66.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>63.9</u>	<u>65.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.1</u>	<u>13.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>148.6</u>	<u>3,596.1</u>

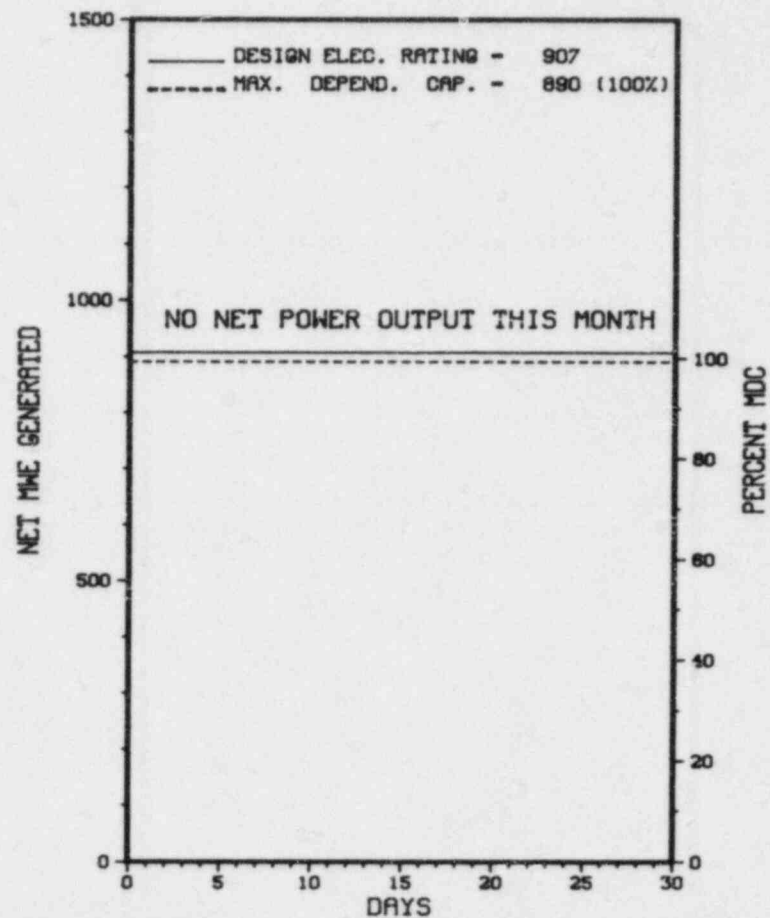
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
SPRING MAINTENANCE: MAY 24, 1985 - 10 DAYS.

27. If Currently Shutdown Estimated Startup Date: 10/23/84

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-34	08/02/84	S	720.0	C	4	LER-006	RC	FUELXX	ON AUGUST 2, 1984 AT 1834 UNIT 2 COMMENCED RAMPING DOWN DUE TO UNQUALIFIED PROTECTIVE COATING ON CONTAINMENT VENTILATION DUCTWORK. BY 2309 ON AUGUST 2, 1984 UNIT 2 WAS OFF LINE. UNIT 2 REMAINED OFF LINE FOR SCHEDULED REFUELING OUTAGE. UNIT 2 REMAINED OFF LINE FOR THE MONTH OF SEPTEMBER FOR REFUELING OUTAGE. ENDED THIS MONTH WITH UNIT 2 IN MODE 5.

 * SUMMARY *

 NORTH ANNA 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)

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>98,280.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,550.1</u>	<u>71,091.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>720.0</u>	<u>6,542.0</u>	<u>67,931.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,853,273</u>	<u>16,773,666</u>	<u>163,071,698</u>
18. Gross Elec Ener (MWH)	<u>635,810</u>	<u>5,854,300</u>	<u>56,722,530</u>
19. Net Elec Ener (MWH)	<u>606,279</u>	<u>5,596,927</u>	<u>53,762,478</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.5</u>	<u>69.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.5</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>97.9</u>	<u>99.0</u>	<u>63.5*</u>
23. Unit Cap Factor (DER Net)	<u>94.9</u>	<u>96.0</u>	<u>61.7*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>16.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>33.0</u>	<u>12,080.6</u>

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

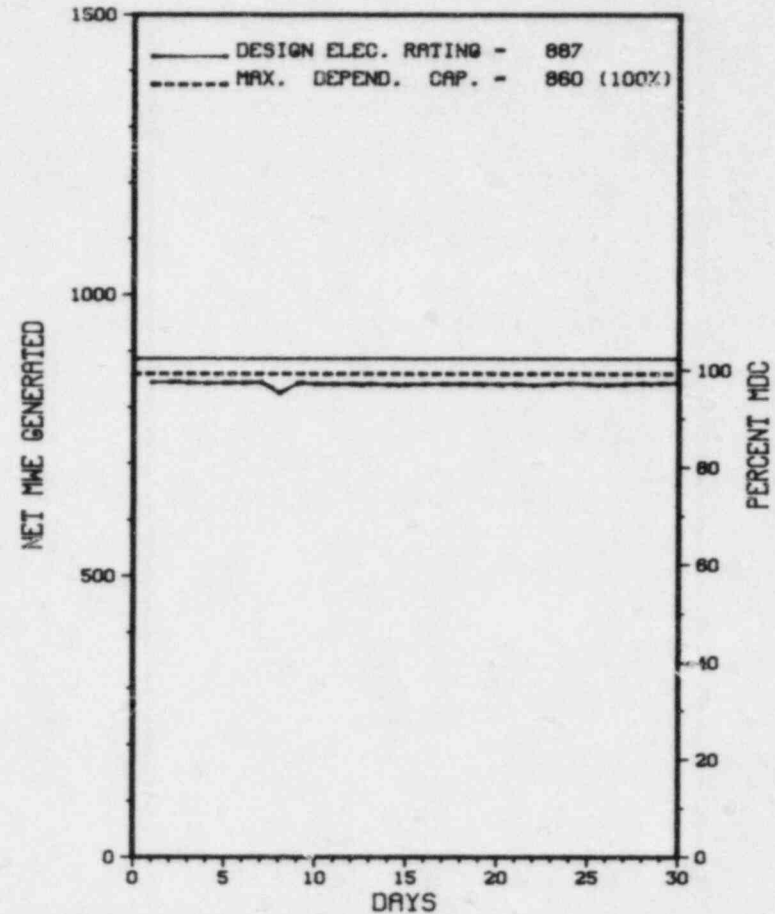
REFUELING - OCTOBER 5, 1984 - 7 WEEKS.

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

 * OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15-P	09/08/84	S	0.0	B	5		CC	VALVEX	TURBINE CONTROL & STOP VALVE MOVEMENT PT'S.
16-P	09/22/84	F	0.0	A	5		HH	PUMPXX	HEATER DRAIN PUMP OIL SYSTEM REPAIRS.

 * SUMMARY *

 OCONEE 1 OPERATED ROUTINELY IN SEPTEMBER WITH NO OUTAGES 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 SEP 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...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
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

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WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 20-24 (84-20): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEALTH PHYSICS AND CHEMISTRY ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE, INTERNAL EXPOSURE, CONTROL OF RADICACTIVE MATERIAL AND TRANSPORTATION. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO ENSURE THAT A RADIOACTIVE MATERIAL SHIPMENT COMPLIED WITH DOT SHIPPING REQUIREMENTS, AND TWO EXAMPLES OF FAILURE TO PROPERLY LABEL CONTAINERS OF RADIOACTIVE MATERIAL.

INSPECTION AUGUST 20-24 (84-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS IN THE AREA OF EMERGENCY PREPAREDNESS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 11 - AUGUST 10 (84-22): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 76 (RESIDENT) INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, STATION MODIFICATIONS, AND PREVIOUSLY IDENTIFIED ITEMS. OF THE FIVE AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-270 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

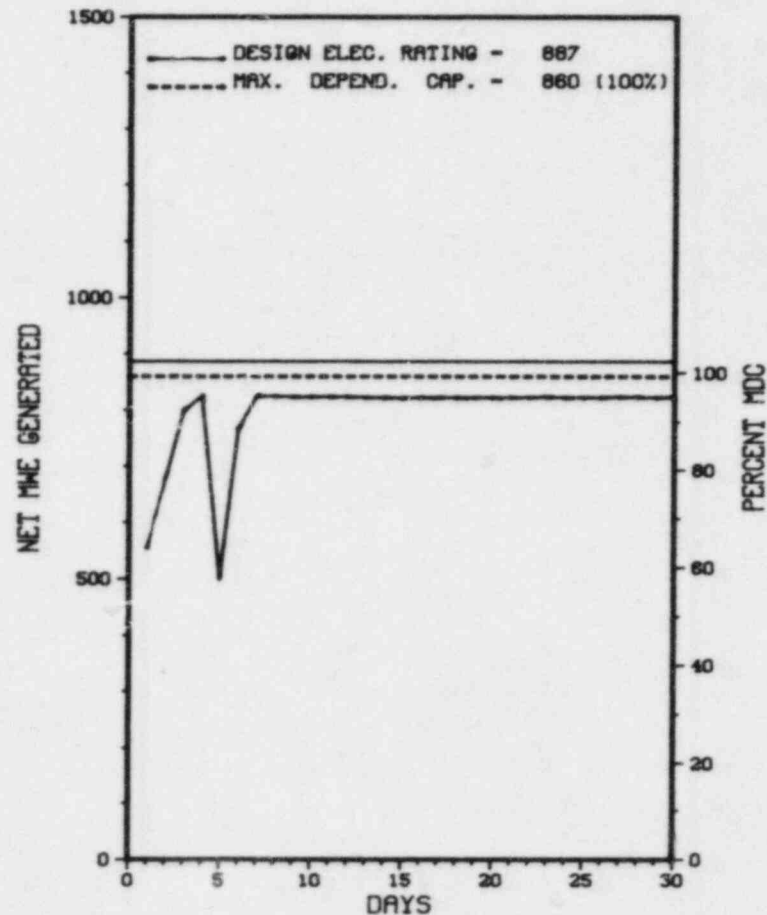
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>88,200.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,575.0</u>	<u>63,888.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,575.0</u>	<u>62,735.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,790,166</u>	<u>16,773,663</u>	<u>149,264,329</u>
18. Gross Elec Ener (MWH)	<u>601,320</u>	<u>5,758,650</u>	<u>50,863,506</u>
19. Net Elec Ener (MWH)	<u>573,566</u>	<u>5,517,761</u>	<u>48,329,330</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.1</u>
22. Unit Cap Factor (MDC Net)	<u>92.6</u>	<u>97.6</u>	<u>63.5*</u>
23. Unit Cap Factor (DER Net)	<u>89.8</u>	<u>94.6</u>	<u>61.9*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,256.1</u>

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - FEBRUARY 24, 1985 - 9 WEEKS.

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

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 2



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13-P	09/01/84	F	0.0	A	5		CH	PUMPXX	MAIN FEEDWATER PUMP REPAIRS.
14-P	09/01/84	S	0.0	F	5		ZZ	ZZZZZ	ECONOMIC DISPATCH REDUCTION.
15-P	09/05/84	F	0.0	A	5		HH	PIPEXX	REPAIR HEATER BLEED LINE.

 * SUMMARY *

 OCONEE 2 OPERATED ROUTINELY IN SEPTEMBER 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 SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 11, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973
DATE COMMERCIAL OPEKATE...SEPTEMBER 9, 1974

CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER....H. NICOLARAS
DOCKET NUMBER.....50-270

LICENSE & DATE ISSUANCE...DPR-47, OCTOBER 6, 1973

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WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 20-24 (84-19): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEALTH PHYSICS AND CHEMISTRY ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE, INTERNAL EXPOSURE, CONTROL OF RADIOACTIVE MATERIAL AND TRANSPORTATION. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO ENSURE THAT A RADIOACTIVE MATERIAL SHIPMENT COMPLIED WITH DOT SHIPPING REQUIREMENTS, AND TWO EXAMPLES OF FAILURE TO PROPERLY LABEL CONTAINERS OF RADIOACTIVE MATERIAL.

INSPECTION AUGUST 20-24 (84-20): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS IN THE AREA OF EMERGENCY PREPAREDNESS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 11 - AUGUST 10 (84-21): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 76 (RESIDENT) INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, STATION MODIFICATIONS, AND PREVIOUSLY IDENTIFIED ITEMS. OF THE FIVE AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

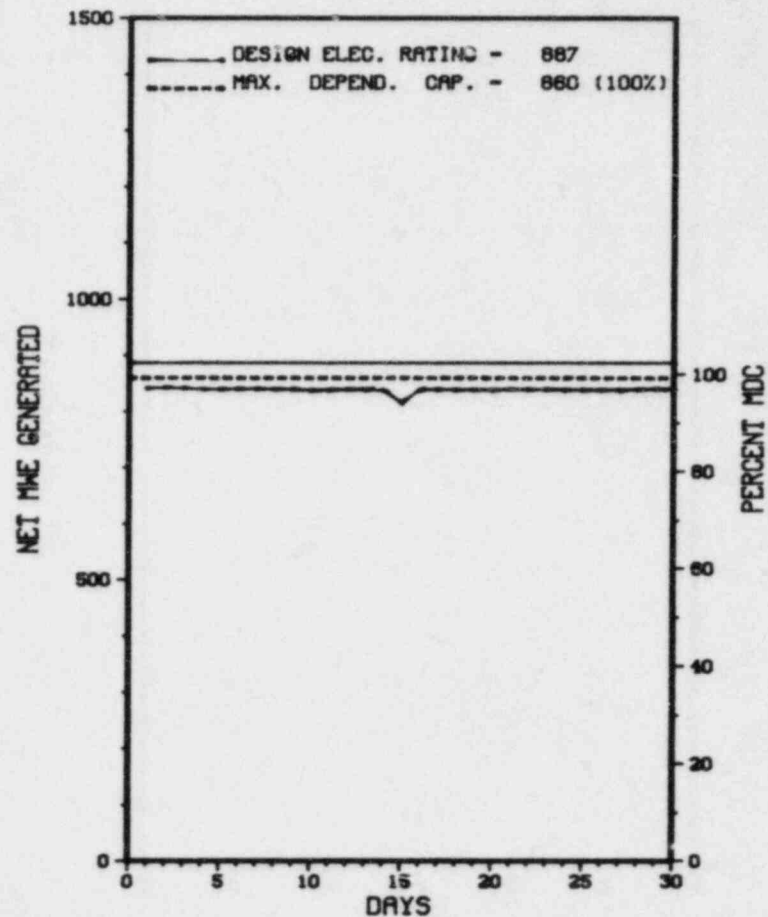
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>85,847.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,626.6</u>	<u>61,336.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,587.4</u>	<u>60,170.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,848,705</u>	<u>11,485,108</u>	<u>146,977,671</u>
18. Gross Elec Ener (MWH)	<u>631,820</u>	<u>3,956,390</u>	<u>50,770,984</u>
19. Net Elec Ener (MWH)	<u>604,146</u>	<u>3,775,477</u>	<u>48,342,595</u>
20. Unit Service Factor	<u>100.0</u>	<u>69.8</u>	<u>70.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>69.8</u>	<u>70.1</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>66.8</u>	<u>65.3*</u>
23. Unit Cap Factor (DER Net)	<u>94.6</u>	<u>64.7</u>	<u>63.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>14.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>84.3</u>	<u>10,226.3</u>

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

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

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 3



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13-P	09/15/84	S	0.0	B	5		CC	VALVEX	CONTROL & STOP VALVE MOVEMENT PT'S.

***** OCONEE 3 OPERATED ROUTINELY IN SEPTEMBER WITH NO OUTAGES REPORTED.
* SUMMARY *

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

Report Period SEP 1984

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

* OCONEE 3 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: JULY 11 - AUGUST 10, 1984 +

INSPECTION REPORT NO: 50-287/84-23 +

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: JOSEPH R. MOLNAR (609) 971-4699

4. Licensed Thermal Power (MWt): 1930

5. Nameplate Rating (Gross MWe): 722 X .9 = 650

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>129,503.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>696.0</u>	<u>85,319.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>82,693.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>136,301,260</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>46,056,905</u>
19. Net Elec Ener (MWH)	<u>-4,906</u>	<u>-20,783</u>	<u>44,264,900</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>63.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>63.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>55.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.6</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>

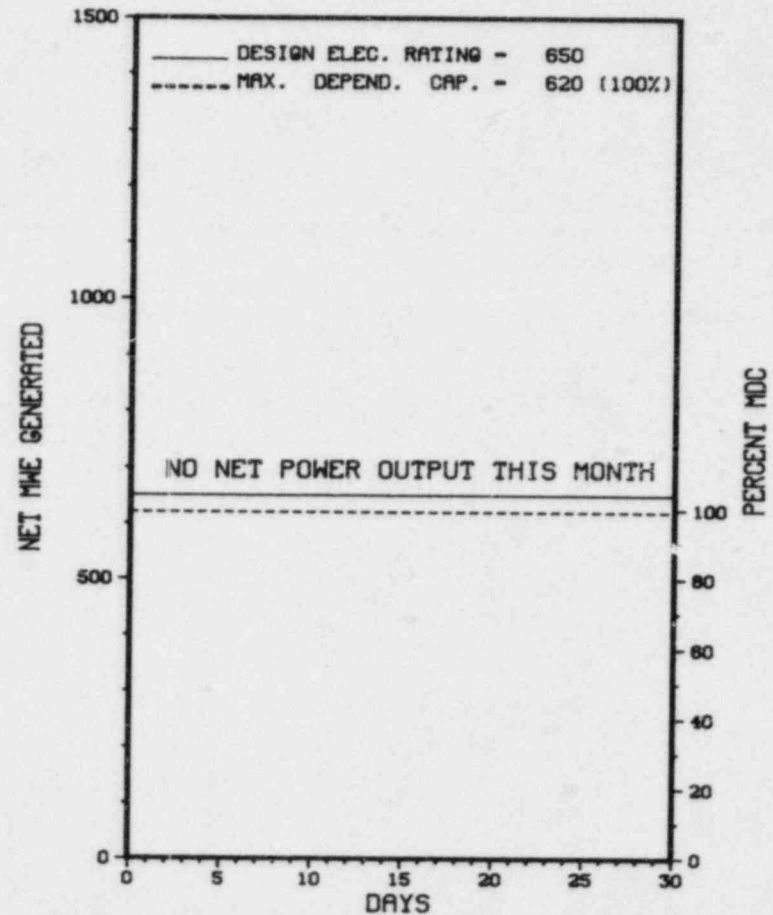
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 10/19/84

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 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	720.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

***** OYSTER CREEK 1 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.
* SUMMARY *

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

* OYSTER CREEK 1 *

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

Report Period SEP 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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>112,070.0</u>
13. Hours Reactor Critical	<u>204.4</u>	<u>567.9</u>	<u>59,827.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>142.4</u>	<u>368.4</u>	<u>56,646.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>222,792</u>	<u>399,312</u>	<u>115,759,536</u>
18. Gross Elec Ener (MWH)	<u>69,300</u>	<u>118,080</u>	<u>35,868,520</u>
19. Net Elec Ener (MWH)	<u>62,377</u>	<u>101,747</u>	<u>33,729,761</u>
20. Unit Service Factor	<u>19.8</u>	<u>5.6</u>	<u>50.5</u>
21. Unit Avail Factor	<u>19.8</u>	<u>5.6</u>	<u>50.5</u>
22. Unit Cap Factor (MDC Net)	<u>13.6</u>	<u>2.4</u>	<u>47.4</u>
23. Unit Cap Factor (DER Net)	<u>10.8</u>	<u>1.9</u>	<u>37.4</u>
24. Unit Forced Outage Rate	<u>80.2</u>	<u>75.5</u>	<u>32.9</u>
25. Forced Outage Hours	<u>577.6</u>	<u>1,132.3</u>	<u>13,657.9</u>

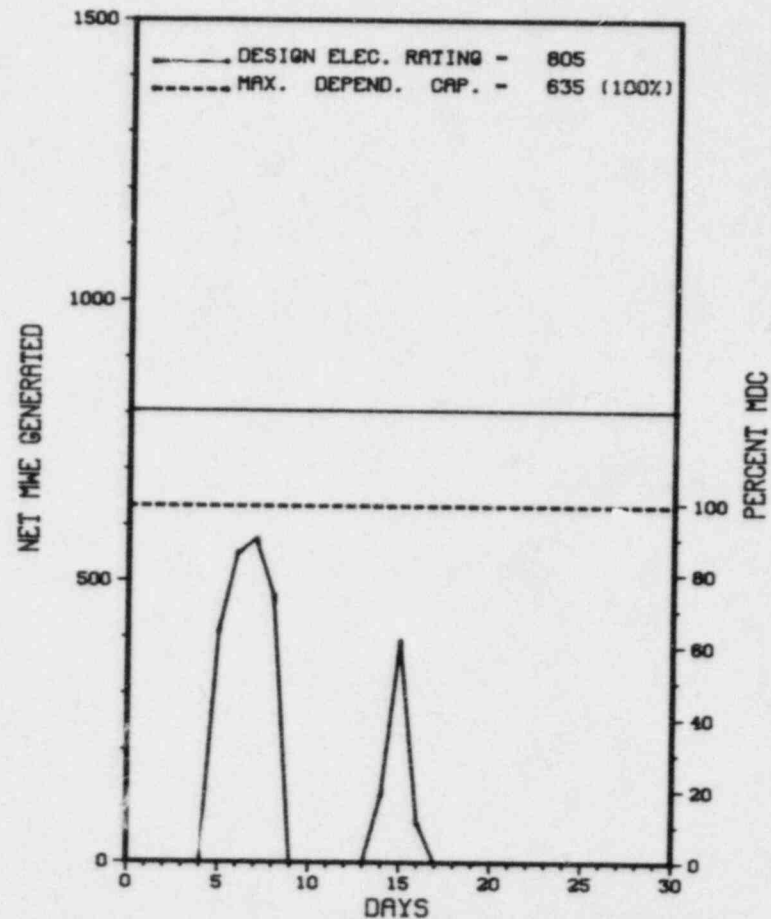
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/15/84

* P A L I S A D E S *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	08/10/84	F	90.6	A	4	84-16			FAILED WELD ON PCS INSTRUMENT LINE.
5	09/08/84	F	132.7	B	1				AUXILIARY FEED PUMP FAILED TECHNICAL SPECIFICATION SURVEILLANCE TEST. (PROBLEMS WITH CONTROL VALVE).
6	09/16/84	F	354.3	A	1				SEALS FAILED ON PRIMARY COOLANT PUMP, P-50C.

 * SUMMARY *

 PALISADES EXPERIENCED 3 SHUTDOWNS IN SEPTEMBER 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)
	F-Admin		
	G-Oper Error		
	H-Other		

***** PALISADES *****
* PALISADES *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....VANBUREN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 24, 1971
DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971
DATE COMMERCIAL OPERATE...DECEMBER 31, 1971
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....T. WAMBACH
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 MARCH 22-23 AND APRIL 27, (84-06): NONROUTINE, ANNOUNCED INSPECTION OF THE CIRCUMSTANCES SURROUNDING THE UNPLANNED EXPOSURE OF A DIVER DURING UNDERWATER MAINTENANCE OF THE REFUELING CAVITY TILT MACHINE. ALSO, THE STATUS OF LICENSEE ACTIONS TAKEN TO SATISFY THE REQUIREMENTS OF NUREG-0737 ITEM II.B.3 WAS REVIEWED. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. OF THE TWO AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN ONE AREA. FOUR VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREAS (DOSE TO A WORKER IN EXCESS OF 10 CFR 20.101 LIMITS - SECTION 6, FAILURE TO PROVIDE PROPER MONITORING AND CONTROLS FOR HIGH RADIATION AREAS ACCESS - SECTION 4, FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURES - SECTION 5, AND FAILURE TO MAINTAIN RECORDS OF SURVEYS - SECTION 4).

INSPECTION ON JULY 14 THROUGH AUGUST 3, (84-14): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; REACTOR PHYSICS; AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 123 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 33 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS. ONE ITEM OF NONCOMPLIANCE (FAILURE TO FOLLOW PROCEDURE; FAILURE TO FOLLOW EMERGENCY PLAN) WAS IDENTIFIED IN EACH OF THE REMAINING TWO AREAS.

INSPECTION ON JULY 31, (84-15): ROUTINE ANNOUNCED SAFETY INSPECTION TO REVIEW DATA ACCUMULATED FROM QUARTERLY SURVEILLANCE INSPECTION OF SIRW TANK SUPPORT STRUCTURE. THE INSPECTION INVOLVED A TOTAL OF 9 HOURS ON SITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

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1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: W. M. Aiden (215) 341-5022

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

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

11. Reasons for Restrictions, If Any:
NONE

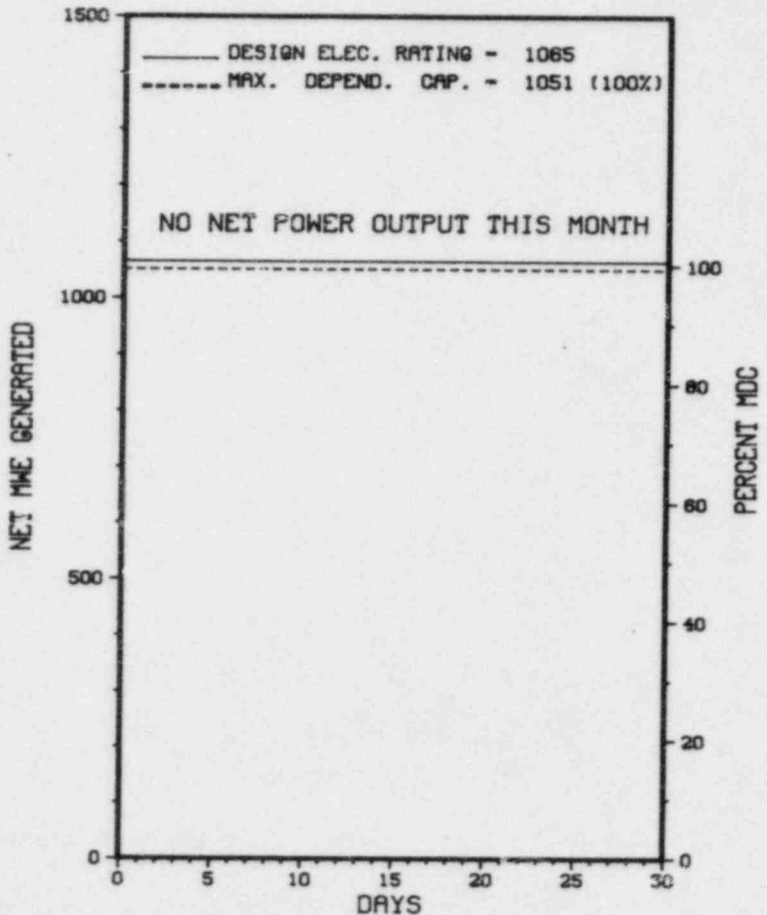
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>89,783.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,583.9</u>	<u>62,283.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,544.8</u>	<u>60,556.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>7,865,391</u>	<u>178,420,001</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,547,570</u>	<u>58,718,660</u>
19. Net Elec Ener (MWH)	<u>-3,910</u>	<u>2,438,271</u>	<u>56,274,701</u>
20. Unit Service Factor	<u>.0</u>	<u>38.7</u>	<u>67.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>38.7</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>35.3</u>	<u>59.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>34.8</u>	<u>58.9</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. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 02/15/85

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PEACH BOTTOM 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	04/27/84	S	720.0	C	4		RC	FUELXX	SHUTDOWN FOR SIXTH REFUEL AND MAINTENANCE CONTINUES.

* SUMMARY *

PEACH BOTTOM 2 REMAINED SHUTDOWN THROUGHOUT SEPTEMBER 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)

* PEACH BOTTOM 2 *

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

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973
DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974
DATE COMMERCIAL OPERATE....JULY 5, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....A. BLOUGH
LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-277
LICENSE & DATE ISSUANCE...DPR-44, DECEMBER 14, 1973
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period SEP 1984

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

* PEACH BOTTOM 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

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

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1. Docket: 50-278 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: W. M. Aiden (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>720.0</u>	<u>6,575.0</u>	<u>85,679.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,684.8</u>	<u>62,484.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,614.4</u>	<u>60,930.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,251,536</u>	<u>17,794,023</u>	<u>178,832,328</u>
18. Gross Elec Ener (MWH)	<u>765,220</u>	<u>5,939,240</u>	<u>58,754,360</u>
19. Net Elec Ener (MWH)	<u>741,237</u>	<u>5,749,548</u>	<u>56,413,333</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.4</u>	<u>71.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.4</u>	<u>71.1</u>
22. Unit Cap Factor (MDC Net)	<u>99.5</u>	<u>84.5</u>	<u>63.6</u>
23. Unit Cap Factor (DER Net)	<u>96.7</u>	<u>82.1</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.7</u>	<u>7.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>747.1</u>	<u>5,078.0</u>

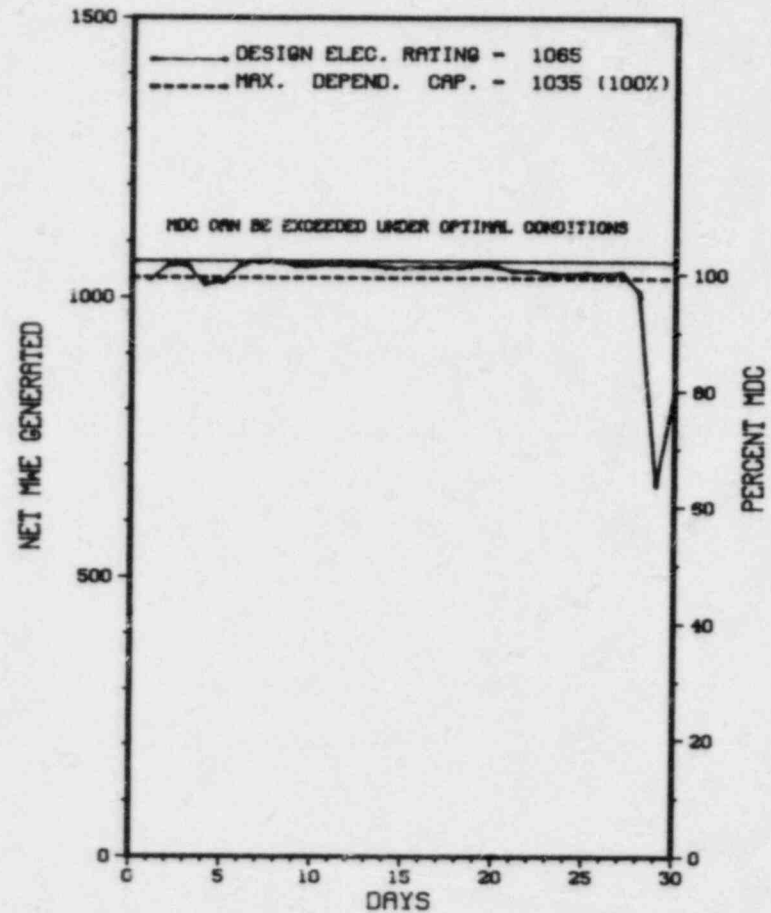
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/29/84	S	0.0	H	5		RB	ZZZZZ	LOAD REDUCTION FOR CONTROL ROD PA ADJUSTMENT; 3 'C' CIRCULATION PUMP WORK; 3 'C' CONDENSATE PUMP WORK.

* SUMMARY *

PEACH BOTTOM 3 OPERATED IN SEPTEMBER WITH NO SHUTDOWNS OR MAJOR POWER REDUCTIONS.

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 SEP 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):

Report Period SEP 1984

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

* PEACH BOTTOM 3 *

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.			

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1. Docket: 50-293 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: P. HAMILTON (617) 746-7905

4. Licensed Thermal Power (MWt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 675

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>720.0</u>	<u>6,575.0</u>	<u>103,535.0</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>65.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>65.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>54.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.6</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>

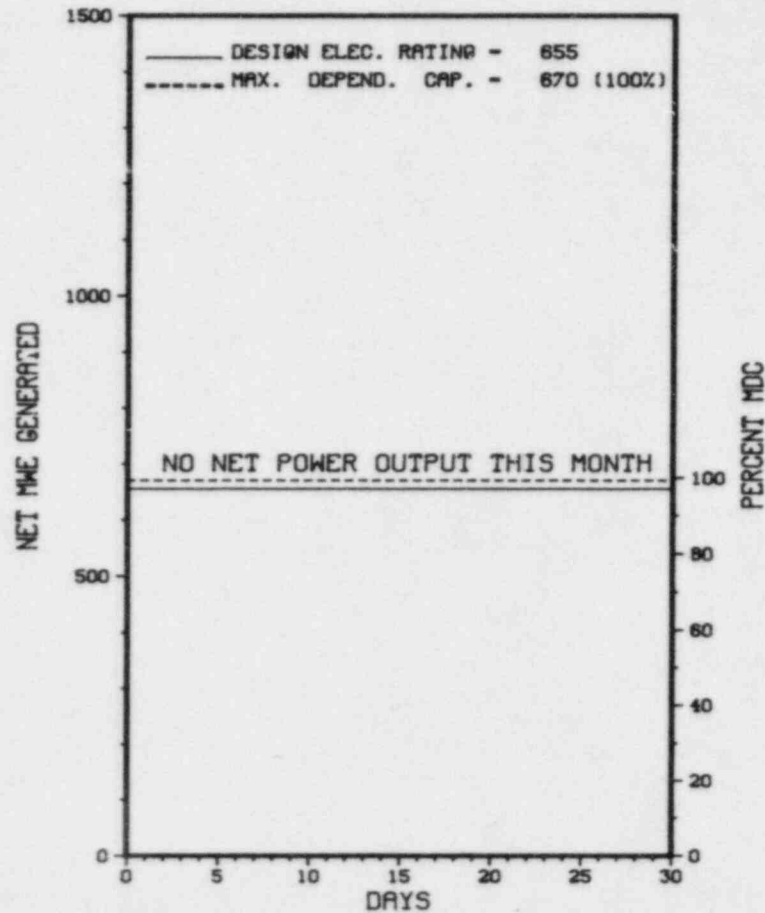
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/15/84

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



SEPTEMBER 1984

Report Period SEP 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	720.0	C	4			SHUTDOWN FOR REFUELING AND RECIRCULATION PIPE REPLACEMENT CONTINUES.

* 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 SEP 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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 59-266 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: C. W. KRAUSE (414) 277-2001

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>720.0</u>	<u>6,575.0</u>	<u>121,871.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,211.1</u>	<u>98,289.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>4.3</u>	<u>629.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,171.0</u>	<u>95,778.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>9.0</u>	<u>802.5</u>
17. Gross Therm Ener (MWH)	<u>1,057,231</u>	<u>6,102,964</u>	<u>129,638,276</u>
18. Gross Elec Ener (MWH)	<u>366,790</u>	<u>2,106,710</u>	<u>43,502,690</u>
19. Net Elec Ener (MWH)	<u>351,057</u>	<u>2,013,874</u>	<u>41,381,756</u>
20. Unit Service Factor	<u>100.0</u>	<u>63.4</u>	<u>78.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>63.6</u>	<u>79.2</u>
22. Unit Cap Factor (MDC Net)	<u>100.5</u>	<u>63.2</u>	<u>69.4</u>
23. Unit Cap Factor (DER Net)	<u>98.1</u>	<u>61.6</u>	<u>68.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,406.3</u>

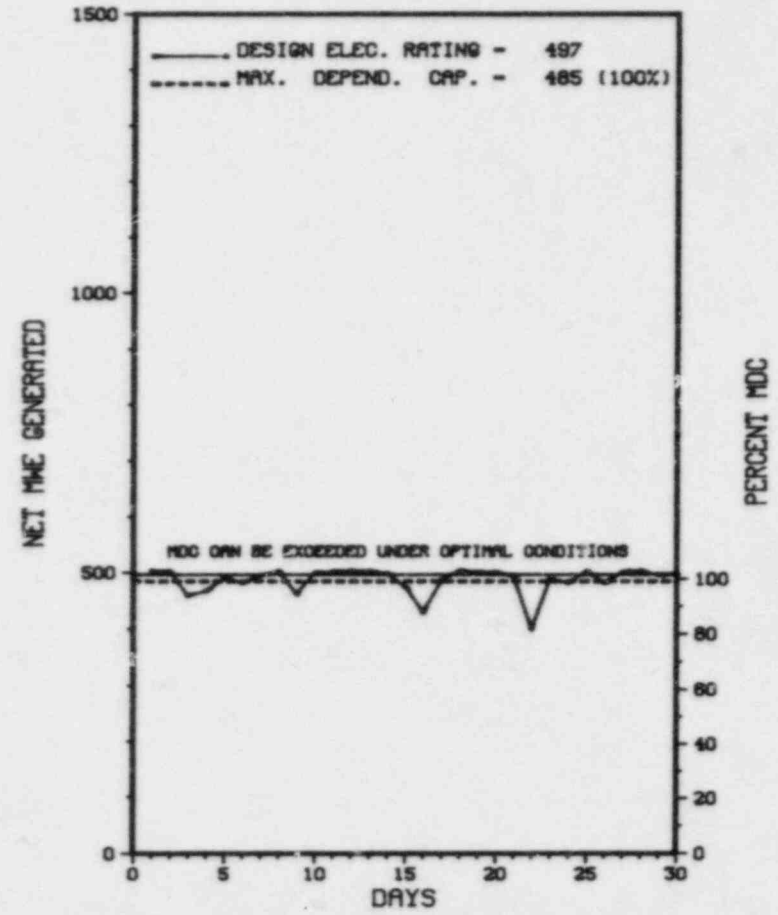
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 1 *

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

* SUMMARY *

THERE WERE NO OUTAGES OR MAJOR POWER REDUCTIONS AT POINT BEACH 1 IN SEPTEMBER.

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		

* POINT BEACH 1 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 2, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970
DATE COMMERCIAL OPERATE...DECEMBER 21, 1970
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266
LICENSE & DATE ISSUANCE...DPR-24, OCTOBER 5, 1970
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 6-10, 14 AND 15, (84-14): ROUTINE UNANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS, INCLUDING SAMPLING, LABORATORY QUALITY CONTROL, AND CONFORMANCE OF LICENSEE ANALYSES WITH THOSE OF THE REGION III MOBILE LABORATORY AND THE NRC REFERENCE LABORATORY; (2) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) INCLUDING PROGRAM MANAGEMENT, QUALITY CONTROL, AND IMPLEMENTATION; AND (3) LICENSEE ACTIONS TAKEN ON AN OPEN ITEM IDENTIFIED IN A PREVIOUS INSPECTION. THE INSPECTION INVOLVED 82 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE REQUIREMENTS OF APPENDIX E TO 10 CFR PART 50 AND THE PLANNING STANDARDS OF 50.47(B). SECTION IV.B OF APPENDIX E REQUIRES THAT A LICENSEE'S EMERGENCY PLANS SHALL INCLUDE INFORMATION TO DEMONSTRATE COMPLIANCE WITH THE FOLLOWING: THE MEANS FOR DETERMINING THE MAGNITUDE AND FOR CONTINUALLY ASSESSING THE IMPACT OF THE RELEASE OF RADIOACTIVE MATERIAL SHALL BE DESCRIBED, INCLUDING EMERGENCY ACTION LEVELS THAT ARE TO BE USED AS CRITERIA FOR NOTIFICATION AND PARTICIPATION OF LOCAL AND STATE AGENCIES, THE COMMISSION, AND OTHER FEDERAL AGENCIES, AND THE EMERGENCY ACTION LEVELS THAT ARE TO BE USED FOR DETERMINING WHEN AND WHAT TYPE OF PROTECTIVE MEASURES SHOULD BE CONSIDERED WITHIN AND OUTSIDE THE SITE BOUNDARY TO PROTECT HEALTH AND SAFETY. SECTION 5.0 OF CHAPTER 6.0 OF THE POINT BEACH NUCLEAR PLANT EMERGENCY PLAN STATES IN PART THAT RECOMMENDATIONS FOR OFFSITE PROTECTIVE ACTIONS WILL BE MADE ONLY BY THE EMERGENCY SUPPORT MANAGER BUT THAT THE SHIFT SUPERINTENDENT WILL HAVE THE RESPONSIBILITY AND AUTHORITY OF THE EMERGENCY

Report Period SEP 1984

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

* POINT BEACH 1 *

ENFORCEMENT SUMMARY

SUPPORT MANAGER AT THE BEGINNING OF AN EMERGENCY EVOLUTION. CONTRARY TO THE ABOVE, SHIFT SUPERINTENDENTS, WHO HAVE THE INITIAL RESPONSIBILITY AND AUTHORITY OF THE EMERGENCY SUPPORT MANAGER TO MAKE OFFSITE PROTECTIVE ACTION RECOMMENDATIONS, WERE INCAPABLE OF DETERMINING WHEN AND WHAT TYPE OF PROTECTIVE MEASURES SHOULD BE CONSIDERED OUTSIDE THE SITE BOUNDARY TO PROTECT PUBLIC HEALTH AND SAFETY. 10 CFR 50.54(T) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES REVIEW THEIR EMERGENCY PREPAREDNESS PROGRAM AT LEAST EVERY 12 MONTHS. THE REVIEW SHALL INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACES WITH THE STATE AND LOCAL GOVERNMENTS IN THE 1984 ANNUAL AUDIT.
(8413 4)

10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE REQUIREMENTS OF APPENDIX E TO 10 CFR PART 50 AND THE PLANNING STANDARDS OF 50.47(B). 10 CFR PART 50, APPENDIX E PARAGRAPH IV.B. STATES THAT EMERGENCY ACTION LEVELS SHALL BE DISCUSSED AND AGREED ON BY THE APPLICANT AND STATE AND LOCAL GOVERNMENTAL AUTHORITIES AND REVIEWED WITH STATE AND LOCAL GOVERNMENTAL AUTHORITIES ON AN ANNUAL BASIS. CONTRARY TO THE ABOVE, EMERGENCY ACTION LEVELS FOR THE POINT BEACH NUCLEAR PLANT HAD LAST BEEN REVIEWED BY THE STATE OF WISCONSIN IN NOVEMBER 1982.
(8413 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: OCTOBER 1 - NOVEMBER 30, 1984

INSPECTION REPORT NO: 84-18

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: 50-301 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: C. W. KRAUSE (414) 277-2001

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>720.0</u>	<u>6,575.0</u>	<u>106,656.0</u>
13. Hours Reactor Critical	<u>659.6</u>	<u>6,489.2</u>	<u>94,917.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>8.8</u>	<u>207.1</u>
15. Hrs Generator On-Line	<u>652.0</u>	<u>6,417.9</u>	<u>93,320.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>15.4</u>	<u>198.1</u>
17. Gross Therm Ener (MWH)	<u>721,284</u>	<u>9,542,695</u>	<u>130,437,472</u>
18. Gross Elec Ener (MWH)	<u>315,720</u>	<u>3,229,550</u>	<u>44,189,380</u>
19. Net Elec Ener (MWH)	<u>300,283</u>	<u>3,084,694</u>	<u>42,089,959</u>
20. Unit Service Factor	<u>90.6</u>	<u>97.6</u>	<u>87.5</u>
21. Unit Avail Factor	<u>90.6</u>	<u>97.8</u>	<u>87.7</u>
22. Unit Cap Factor (MDC Net)	<u>86.0</u>	<u>95.4</u>	<u>80.3*</u>
23. Unit Cap Factor (DER Net)	<u>83.9</u>	<u>94.4</u>	<u>79.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>1.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>692.2</u>

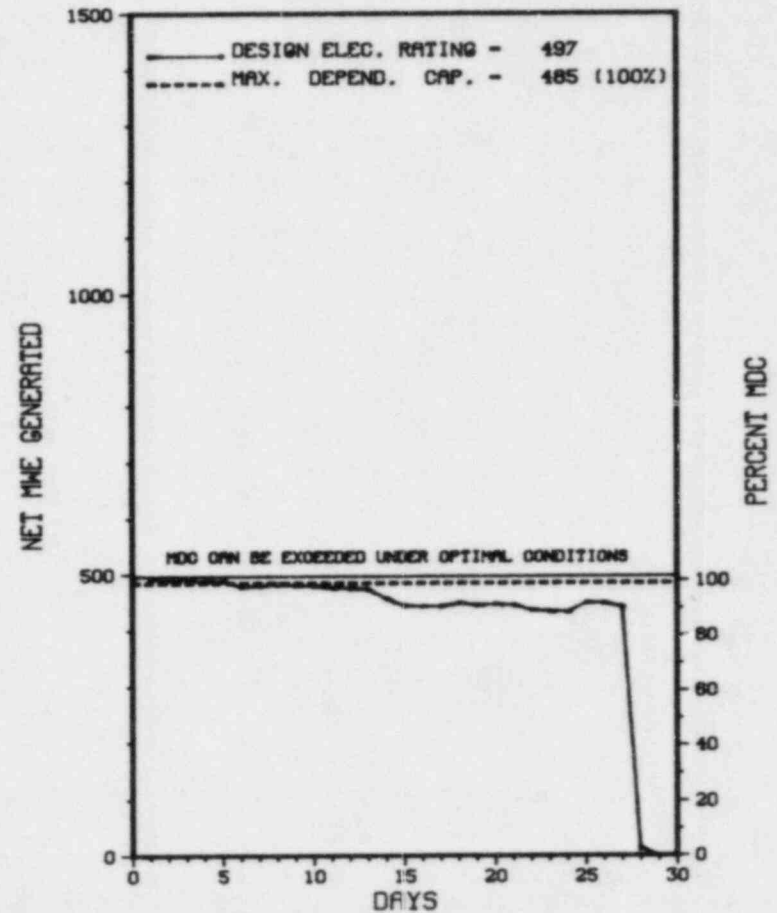
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/15/84

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	09/28/84	S	68.0	C	1		RC	FUELXX	COMMENCED 47-DAY REFUELING OUTAGE.

***** POINT BEACH 1 BEGAN A REFUELING OUTAGE ON SEPTEMBER 28TH.
* 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)

* POINT BEACH 2 *

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

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 30, 1972
DATE ELEC ENER 1ST GENER...AUGUST 2, 1972
DATE COMMERCIAL OPERATE...OCTOBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 6-10, 14 AND 15, (84-12): ROUTINE UNANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS, INCLUDING SAMPLING, LABORATORY QUALITY CONTROL, AND CONFORMANCE OF LICENSEE ANALYSES WITH THOSE OF THE REGION III MOBILE LABORATORY AND THE NRC REFERENCE LABORATORY; (2) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) INCLUDING PROGRAM MANAGEMENT, QUALITY CONTROL, AND IMPLEMENTATION; AND (3) LICENSEE ACTIONS TAKEN ON AN OPEN ITEM IDENTIFIED IN A PREVIOUS INSPECTION. THE INSPECTION INVOLVED 82 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE REQUIREMENTS OF APPENDIX E TO 10 CFR PART 50 AND THE PLANNING STANDARDS OF 50.47(B). SECTION IV.B OF APPENDIX E REQUIRES THAT A LICENSEE'S EMERGENCY PLANS SHALL INCLUDE INFORMATION TO DEMONSTRATE COMPLIANCE WITH THE FOLLOWING: THE MEANS FOR DETERMINING THE MAGNITUDE AND FOR CONTINUALLY ASSESSING THE IMPACT OF THE RELEASE OF RADIOACTIVE MATERIAL SHALL BE DESCRIBED, INCLUDING EMERGENCY ACTION LEVELS THAT ARE TO BE USED AS CRITERIA FOR NOTIFICATION AND PARTICIPATION OF LOCAL AND STATE AGENCIES, THE COMMISSION, AND OTHER FEDERAL AGENCIES, AND THE EMERGENCY ACTION LEVELS THAT ARE TO BE USED FOR DETERMINING WHEN AND WHAT TYPE OF PROTECTIVE MEASURES SHOULD BE CONSIDERED WITHIN AND OUTSIDE THE SITE BOUNDARY TO PROTECT HEALTH AND SAFETY. SECTION 5.0 OF CHAPTER 6.0 OF THE POINT BEACH NUCLEAR PLANT EMERGENCY PLAN STATES IN PART THAT RECOMMENDATIONS FOR OFFSITE PROTECTIVE ACTIONS WILL BE MADE ONLY BY THE EMERGENCY SUPPORT MANAGER BUT THAT THE SHIFT SUPERINTENDENT WILL HAVE THE RESPONSIBILITY AND AUTHORITY OF THE EMERGENCY

ENFORCEMENT SUMMARY

SUPPORT MANAGER AT THE BEGINNING OF AN EMERGENCY EVOLUTION. CONTRARY TO THE ABOVE, SHIFT SUPERINTENDENTS, WHO HAVE THE INITIAL RESPONSIBILITY AND AUTHORITY OF THE EMERGENCY SUPPORT MANAGER TO MAKE OFFSITE PROTECTIVE ACTION RECOMMENDATIONS, WERE INCAPABLE OF DETERMINING WHEN AND WHAT TYPE OF PROTECTIVE MEASURES SHOULD BE CONSIDERED OUTSIDE THE SITE BOUNDARY TO PROTECT PUBLIC HEALTH AND SAFETY. 10 CFR 50.54(T) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES REVIEW THEIR EMERGENCY PREPAREDNESS PROGRAM AT LEAST EVERY 12 MONTHS. THE REVIEW SHALL INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACES WITH THE STATE AND LOCAL GOVERNMENTS IN THE 1984 ANNUAL AUDIT.
(8411 4)

10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE REQUIREMENTS OF APPENDIX E TO 10 CFR PART 50 AND THE PLANNING STANDARDS OF 50.47(B). 10 CFR PART 50, APPENDIX E PARAGRAPH IV.B. STATES THAT EMERGENCY ACTION LEVELS SHALL BE DISCUSSED AND AGREED ON BY THE APPLICANT AND STATE AND LOCAL GOVERNMENTAL AUTHORITIES AND REVIEWED WITH STATE AND LOCAL GOVERNMENTAL AUTHORITIES ON AN ANNUAL BASIS. CONTRARY TO THE ABOVE, EMERGENCY ACTION LEVELS FOR THE POINT BEACH NUCLEAR PLANT HAD LAST BEEN REVIEWED BY THE STATE OF WISCONSIN IN NOVEMBER 1982.
(8411 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUTDOWN FOR A SCHEDULED REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: OCTOBER 4, 1984

INSPECTION REPORT NO: 84-17

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 534

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any: _____
NONE

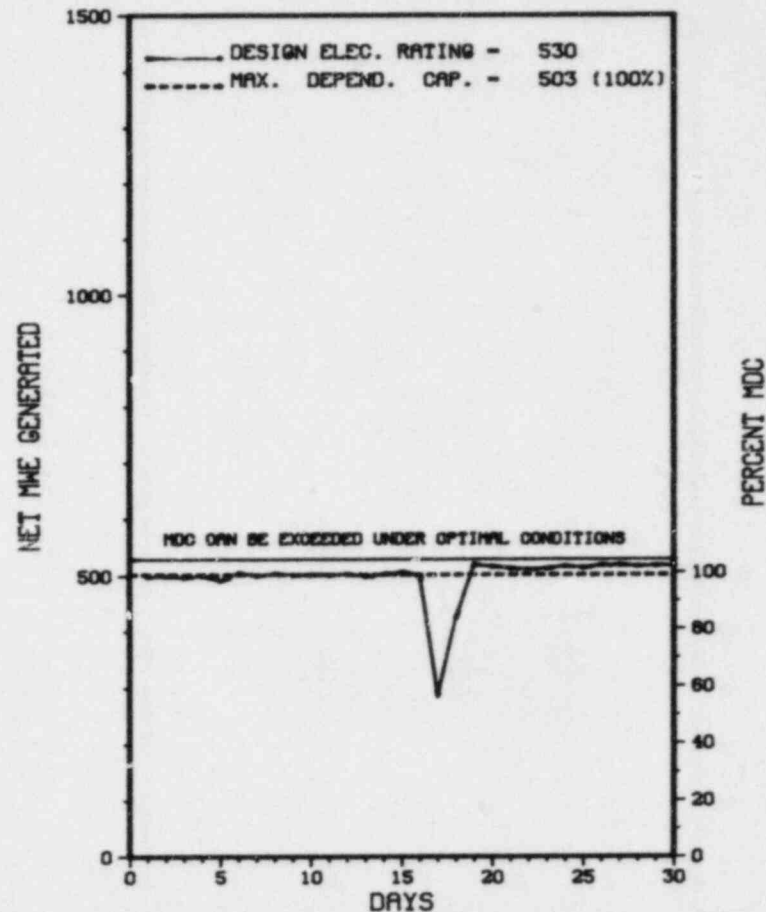
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>94,607.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,515.6</u>	<u>78,188.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,489.5</u>	<u>76,870.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,139,585</u>	<u>10,449,203</u>	<u>120,760,365</u>
18. Gross Elec Ener (MWH)	<u>382,190</u>	<u>3,456,830</u>	<u>39,336,630</u>
19. Net Elec Ener (MWH)	<u>358,737</u>	<u>3,258,352</u>	<u>36,849,781</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.7</u>	<u>81.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.7</u>	<u>81.3</u>
22. Unit Cap Factor (MDC Net)	<u>99.1</u>	<u>98.5</u>	<u>77.4</u>
23. Unit Cap Factor (DER Net)	<u>94.0</u>	<u>93.5</u>	<u>73.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.2</u>	<u>7.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>14.5</u>	<u>2,935.4</u>

26. Shutdowns Sched 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



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/17/84	S	0.0	B	5				CONTAMINATION OF SECONDARY WATER SYSTEM CAUSED BY IMPROPER VALVE LINEUP. SOURCE OF CONTAMINANT WAS ISOLATED. TURBINE VALVES TEST.

***** PRAIRIE ISLAND 1 EXPERIENCED NO SHUTDOWNS OR MAJOR POWER REDUCTIONS IN SEPTEMBER.
* 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		

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period SEP 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. DIANNI
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 JUNE 11, - AUGUST 10, (84-09): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, STEAM GENERATOR TUBES, ANKER-HOLTH SNUBBERS, NEW FUEL, LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 378 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 46 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>85,725.0</u>
13. Hours Reactor Critical	<u>72.5</u>	<u>5,927.5</u>	<u>74,177.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>71.4</u>	<u>5,926.4</u>	<u>73,219.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>80,315</u>	<u>9,355,203</u>	<u>115,087,061</u>
18. Gross Elec Ener (MWH)	<u>26,160</u>	<u>3,098,480</u>	<u>37,205,880</u>
19. Net Elec Ener (MWH)	<u>22,648</u>	<u>2,929,279</u>	<u>34,904,162</u>
20. Unit Service Factor	<u>9.9</u>	<u>90.1</u>	<u>85.4</u>
21. Unit Avail Factor	<u>9.9</u>	<u>90.1</u>	<u>85.4</u>
22. Unit Cap Factor (MDC Net)	<u>6.3</u>	<u>89.1</u>	<u>81.4</u>
23. Unit Cap Factor (DER Net)	<u>5.9</u>	<u>84.1</u>	<u>76.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,315.5</u>

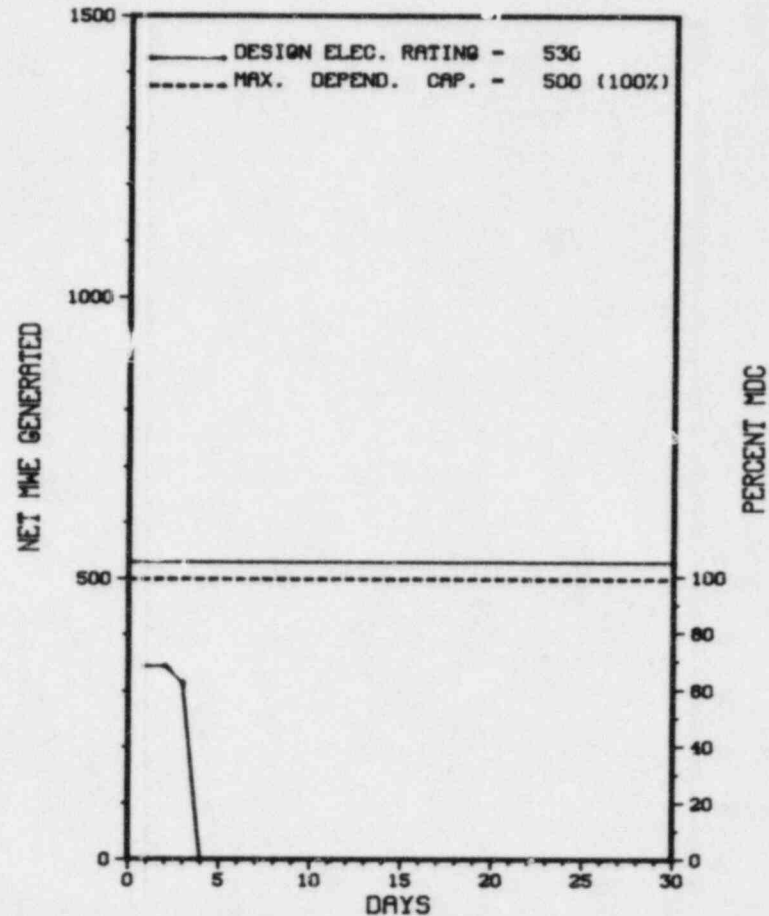
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 10/09/84

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/03/84	S	648.6	C	2		RC	FUELXX	REFUELING OUTAGE COMMENCES.

* SUMMARY *

PRAIRIE ISLAND 2 ENTERED A REFUELING OUTAGE ON SEPTEMBER 3.

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

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period SEP 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 RESPONSIBLEIII
IE RESIDENT INSPECTORJ. 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 JUNE 11, - AUGUST 10, (84-08): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, STEAM GENERATOR TUBES, ANKER-HOLTH SNUBBERS, NEW FUEL, LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 378 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 46 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.2, CHEMICAL AND VOLUME CONTROL SYSTEM, C. STATES, IN PART, "THE REACTOR IN THE SECOND UNIT SHALL NOT BE MADE OR MAINTAINED CRITICAL NOR SHALL IT BE HEATED OR MAINTAINED ABOVE 200 DEGREE WITH THE REACTOR IN THE OTHER UNIT ALREADY CRITICAL UNLESS THE FOLLOWING CONDITIONS ARE SATISFIED: 6. AUTOMATIC VALVES, PIPING, AND INTERLOCKS ASSOCIATED WITH THE ABOVE COMPONENTS WHICH ARE REQUIRED TO OPERATE FOR THE STEAM LINE BREAK ACCIDENT ARE OPERABLE." CONTRARY TO THE ABOVE, ON JUNE 18, 1984 WITH UNIT 2 AT FULL POWER, AND DURING PERFORMANCE OF SURVEILLANCE TEST PROCEDURE 1032 (STP 1032), UNIT 2 RWST VALVES 32182 AND 32183 STROKED OPEN AND REMAINED OPEN FOR ABOUT 1 HOUR AND 55 MINUTES. UNDER THESE CONDITIONS, CONCENTRATED BORIC ACID FROM THE BORIC ACID STORAGE TANKS WOULD NOT HAVE BEEN AUTOMATICALLY SUPPLIED TO THE UNIT 2 SAFETY INJECTION PUMPS HAD A SAFETY INJECTION SIGNAL BEEN RECEIVED. VALVES 32182 AND 32183 WERE CLOSED BY THE CONTROL ROOM OPERATING CREW WHEN IT WAS NOTICED THAT THE VALVES WERE OPEN. HOWEVER, DURING THE 1 HOUR AND 55 MINUTE PERIOD DESCRIBED ABOVE, THE LICENSEE WAS IN VIOLATION OF A TECHNICAL

Report Period SEP 1984

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

* PRAIRIE ISLAND 2 *

ENFORCEMENT SUMMARY

SPECIFICATION LIMITING CONDITION FOR OPERATION (LCO).
(8410 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN A SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 3-5, 1984

INSPECTION REPORT NO: 84-14

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: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: DAVE K. R (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>720.0</u>	<u>6,575.0</u>	<u>108,599.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,612.9</u>	<u>86,168.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,563.2</u>	<u>82,910.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,630,543</u>	<u>5,727,126</u>	<u>170,833,832</u>
18. Gross Elec Ener (MWH)	<u>536,126</u>	<u>1,896,796</u>	<u>55,155,524</u>
19. Net Elec Ener (MWH)	<u>513,251</u>	<u>1,794,423</u>	<u>51,399,683</u>
20. Unit Service Factor	<u>100.0</u>	<u>39.0</u>	<u>76.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>39.0</u>	<u>77.2</u>
22. Unit Cap Factor (MDC Net)	<u>92.7</u>	<u>35.5</u>	<u>61.5</u>
23. Unit Cap Factor (DER Net)	<u>90.3</u>	<u>34.6</u>	<u>60.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>5.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>43.0</u>	<u>2,771.0</u>

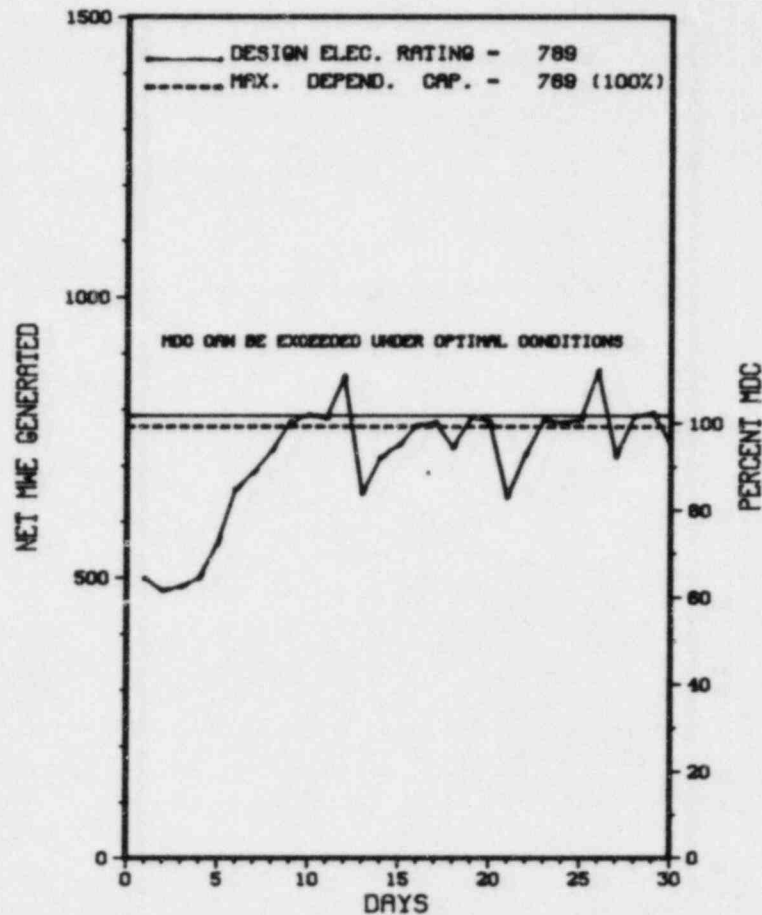
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* QUAD CITIES 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-18	09/01/84	S	0.0	F	5		ZZ	ZZZZZZ	REDUCED LOAD TO 500 MWE PER LOAD DISPATCHER.
84-19	09/08/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-20	09/13/84	S	0.0	H	5		HH	PUMPXX	REDUCED LOAD FOR CONDENSATE PUMP CHANGEOVER.
84-21	09/14/84	F	0.0	H	5		MB	RECOMB	REDUCED LOAD DUE TO RECOMBINER PROBLEMS.
84-22	09/18/84	S	0.0	F	5		ZZ	ZZZZZZ	REDUCED LOAD PER LOAD DISPATCHER.
84-23	09/21/84	S	0.0	B	5		RB	CONROD	REDUCED LOAD FOR NUCLEAR ENGINEER TEST AND SPECIAL ROD MANEUVER.
84-24	09/30/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.

 * SUMMARY *

 QUAD CITIES 2 EXPERIENCED SEVERAL POWER REDUCTIONS IN SEPTEMBER 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)

* QUAD CITIES 1 *

FACILITY DATA

Report Period SEP 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 JULY 30 THROUGH AUGUST 3, (84-13): ROUTINE, UNANNOUNCED INSPECTION OF RADIOACTIVE WASTE MANAGEMENT PROGRAMS, INCLUDING SOLID RADIOACTIVE WASTES, LIQUIDS AND LIQUID RADIOACTIVE WASTES, GASEOUS RADIOACTIVE WASTES, AND TRANSPORTATION OF RADIOACTIVE MATERIALS. ALSO REVIEWED WERE PAST OPEN ITEMS AND AN INQUIRY FROM AN ATTORNEY REPRESENTING A FORMER CONTRACTOR EMPLOYEE. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, SECTION XII, AS IMPLEMENTED BY COMMONWEALTH EDISON TOPICAL REPORT CE-1-A AND QUALITY ASSURANCE PROCEDURE 12-51 REVISION 5, REQUIRES INSTRUMENTS THAT ARE UTILIZED IN ACTIVITIES AFFECTING QUALITY TO BE PROPERLY CALIBRATED AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. SECTION II EXPLAINS THAT SUCH ACTIVITIES OF THE QUALITY ASSURANCE PROGRAM SHALL BE ACCOMPLISHED TO AN EXTENT CONSISTENT WITH THE COMPONENT'S IMPORTANCE TO SAFETY. CONTRARY TO THE ABOVE, TWO SAFETY RELATED PRESSURE SWITCHES WHICH PROVIDE FOR FAIL-SAFE DAMPER OPERATION UPON LOSS OF INSTRUMENT AIR PRESSURE WERE FOUND ON JULY 3, 1984, BY THE RESIDENT INSPECTORS TO NOT HAVE BEEN CALIBRATED SINCE 1978 AS A RESULT OF NOT BEING ON THE SAFETY RELATED CALIBRATION LIST. THE PRESSURE SWITCHES ARE ASSOCIATED WITH THE INLET DAMPERS OF THE STANDBY GAS TREATMENT SYSTEM. SUBSEQUENTLY, THE LICENSEE IDENTIFIED EIGHT MORE PRESSURE SWITCHES ASSOCIATED WITH REACTOR BUILDING VENTILATION ISOLATION VALVES THAT HAD NOT BEEN PLACED ON THE SAFETY RELATED CALIBRATION LIST AND FOR WHICH NO CALIBRATION DATA COULD BE FOUND OTHER THAN ORIGINAL INSTALLATION RECORDS.

Report Period SEP 1984

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

* QUAD CITIES 1 *

ENFORCEMENT SUMMARY

(8411 4)

10 CFR 50, APPENDIX R, PARAGRAPH M STATES THAT PENETRATION SEAL DESIGNS SHALL UTILIZE ONLY NONCOMBUSTIBLE MATERIALS AND SHALL BE QUALIFIED BY TESTS THAT ARE COMPARABLE TO TESTS USED TO RATE FIRE BARRIERS. CONTRARY TO THE ABOVE, ONE PENETRATION WAS FOUND BY THE RESIDENT INSPECTORS TO CONTAIN MATERIAL THAT WAS NOT QUALIFIED BY TESTS COMPARABLE TO TESTS USED TO RATE FIRE BARRIERS.
(8411 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: OCTOBER 7 - NOVEMBER 10, 1984

INSPECTION REPORT NO: 84-21

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-02	03/07/84	09/04/84	LEAK RATE FROM ALL VALVES & PENETRATION IN EXCESS OF TECHNICAL SPECIFICATIONS
84-04	03/16/84	09/04/84	UNIT ONE MAIN STEAM ISOLATION VALVES FAILED LOCAL LEAK RATE TESTS
84-05	04/14/84	08/23/84	LINEAR INDICATIONS ON REACTOR RECIRCULATION SYSTEM WELDS
84-07	05/07/84	08/14/84	RHR SERVICE WATER VAULT PENETRATIONS WERE FOUND TO LEAK
84-13	08/08/84	09/06/84	REACTOR SCRAM AND ECCS INITIATION FROM FALSE SIGNAL
84-15	08/25/84	09/20/84	REACTOR SCRAM
84-16	08/28/84	09/26/84	REACTOR SCRAM ON SPURIOUS MAIN STEAM LINE HIGH FLOW SIGNAL
84-17	08/16/84	09/14/84	SOUTH STEAM JET AIR EJECTOR VALVES INCORRECTLY INSTALLED

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1. Docket: 50-265 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>107,709.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,013.8</u>	<u>82,931.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,896.9</u>	<u>80,106.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,681,897</u>	<u>11,531,787</u>	<u>166,913,875</u>
18. Gross Elec Ener (MWH)	<u>542,770</u>	<u>3,716,842</u>	<u>53,152,600</u>
19. Net Elec Ener (MWH)	<u>520,037</u>	<u>3,543,491</u>	<u>49,878,365</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.5</u>	<u>74.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.5</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>93.9</u>	<u>70.1</u>	<u>60.2</u>
23. Unit Cap Factor (DER Net)	<u>91.5</u>	<u>68.3</u>	<u>58.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.4</u>	<u>8.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>170.2</u>	<u>3,360.3</u>

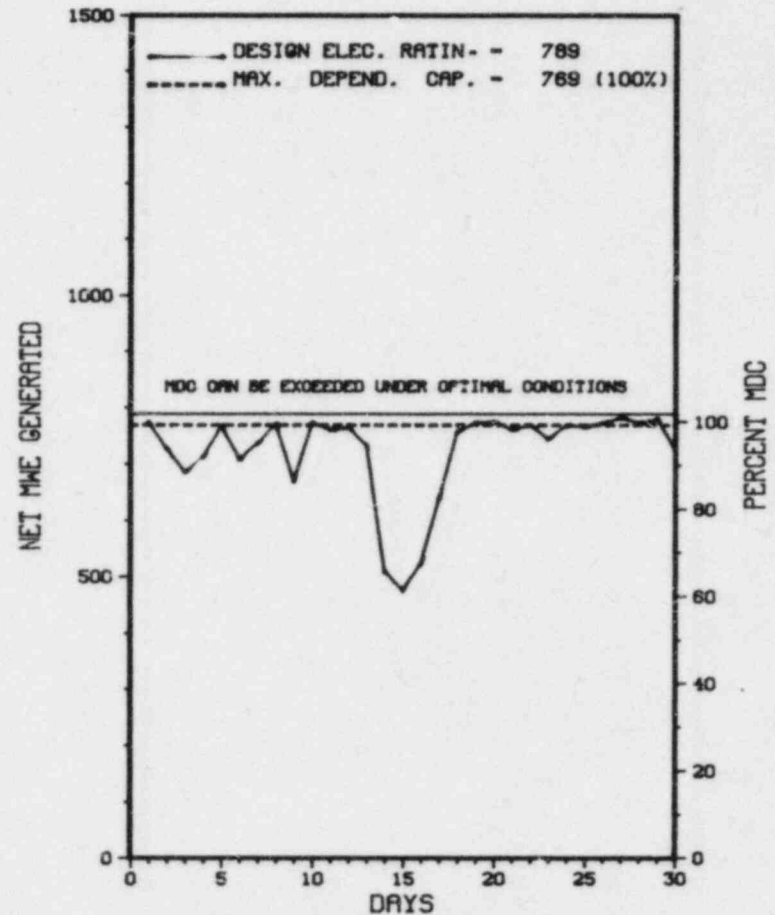
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-35	09/02/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-36	09/03/84	S	0.0	F	5		ZZ	ZZZZZZ	REDUCED LOAD PER LOAD DISPATCHER.
84-37	09/03/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM TURBINE NIGHTLY TEST AND MSIV BI-WEEKLY TEST.
84-38	09/06/84	S	0.0	F	5		ZZ	ZZZZZZ	REDUCED LOAD PER LOAD DISPATCHER AND EGC TESTING.
84-39	09/07/84	S	0.0	B	5		ZZ	ZZZZZZ	REDUCED LOAD FOR ECONOMIC GENERATION CONTROL SYSTEM TEST.
84-40	09/08/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-41	09/13/84	S	0.0	H	5		HF	PUMPXX	REDUCED LOAD TO PLACE 2B CIRCULATING WATER PUMP OUT OF SERVICE.
84-42	09/14/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PLACE REACTOR IN HOT STANDBY, TURN OFF GENERATOR, AND PERFORM TURBINE OVERSPEED TESTS.
84-43	09/19/84	F	0.0	H	5		SF	VALVEX	REDUCED LOAD DUE TO PROBLEMS WITH HPCI 2301-4 VALVE.
84-44	09/23/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-45	09/30/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.

***** QUAD CITIES 2 EXPERIENCED SEVERAL POWER REDUCTIONS IN SEPTEMBER AS DESCRIBED ABOVE.
 * 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)

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 JULY 30 THROUGH AUGUST 3, (84-11): ROUTINE, UNANNOUNCED INSPECTION OF RADIOACTIVE WASTE MANAGEMENT PROGRAMS, INCLUDING SOLID RADIOACTIVE WASTES, LIQUIDS AND LIQUID RADIOACTIVE WASTES, GASEOUS RADIOACTIVE WASTES, AND TRANSPORTATION OF RADIOACTIVE MATERIALS. ALSO REVIEWED WERE PAST OPEN ITEMS AND AN INQUIRY FROM AN ATTORNEY REPRESENTING A FORMER CONTRACTOR EMPLOYEE. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, SECTION XII, AS IMPLEMENTED BY COMMONWEALTH EDISON TOPICAL REPORT CE-1-A AND QUALITY ASSURANCE PROCEDURE 12-51 REVISION 5, REQUIRES INSTRUMENTS THAT ARE UTILIZED IN ACTIVITIES AFFECTING QUALITY TO BE PROPERLY CALIBRATED AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. SECTION II EXPLAINS THAT SUCH ACTIVITIES OF THE QUALITY ASSURANCE PROGRAM SHALL BE ACCOMPLISHED TO AN EXTENT CONSISTENT WITH THE COMPONENT'S IMPORTANCE TO SAFETY. CONTRARY TO THE ABOVE, TWO SAFETY RELATED PRESSURE SWITCHES WHICH PROVIDE FOR FAIL-SAFE DAMPER OPERATION UPON LOSS OF INSTRUMENT AIR PRESSURE WERE FOUND ON JULY 3, 1984, BY THE RESIDENT INSPECTORS TO NOT HAVE BEEN CALIBRATED SINCE 1978 AS A RESULT OF NOT BEING ON THE SAFETY RELATED CALIBRATION LIST. THE PRESSURE SWITCHES ARE ASSOCIATED WITH THE INLET DAMPERS OF THE STANDBY GAS TREATMENT SYSTEM. SUBSEQUENTLY, THE LICENSEE IDENTIFIED EIGHT MORE PRESSURE SWITCHES ASSOCIATED WITH REACTOR BUILDING VENTILATION ISOLATION VALVES THAT HAD NOT BEEN PLACED ON THE SAFETY RELATED CALIBRATION LIST AND FOR WHICH NO CALIBRATION DATA COULD BE FOUND OTHER THAN ORIGINAL INSTALLATION RECORDS.

1. Docket: 50-312 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>82,896.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,992.8</u>	<u>48,344.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>790.9</u>	<u>10,104.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,841.4</u>	<u>46,383.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>9,297,562</u>	<u>115,208,904</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,104,302</u>	<u>38,500,374</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>2,898,041</u>	<u>36,272,365</u>
20. Unit Service Factor	<u>.0</u>	<u>58.4</u>	<u>56.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>58.4</u>	<u>57.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>50.5</u>	<u>50.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>48.0</u>	<u>47.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>41.6</u>	<u>29.3</u>
25. Forced Outage Hours	<u>720.0</u>	<u>2,733.6</u>	<u>19,143.6</u>

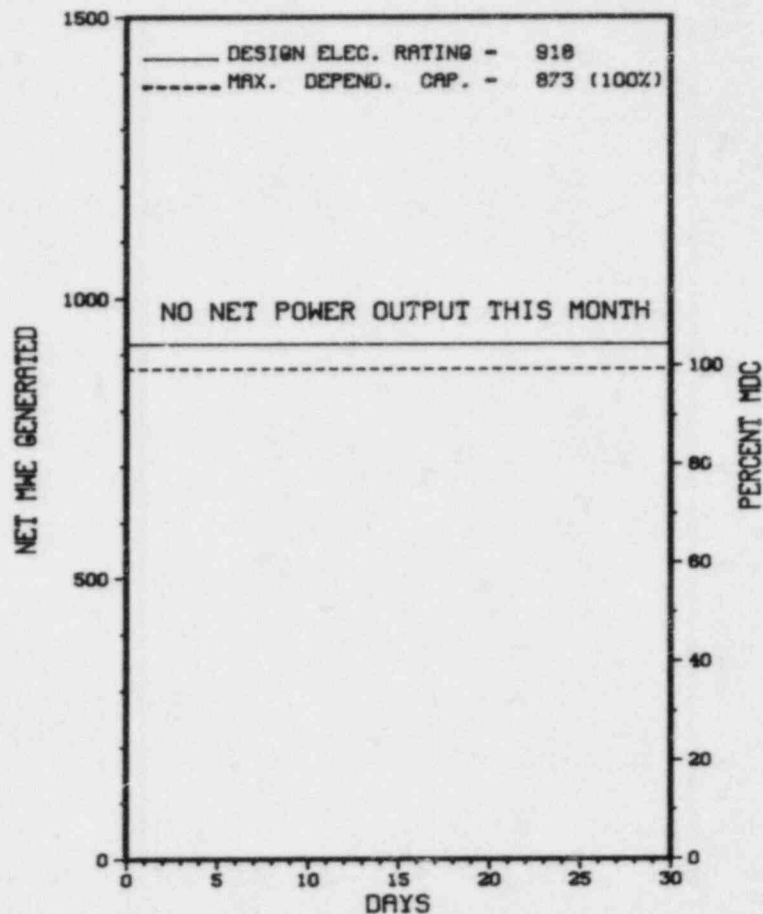
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - JANUARY 1985, 3 MONTHS.

27. If Currently Shutdown Estimated Startup Date: 10/07/84

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/31/84	F	720.0	A	4		CI	HTEXCH	"B" OTSG TUBE LEAK AND HIGH IODINE LEVEL.

 * SUMMARY *

 RANCHO SECO 1 REMAINS SHUT DOWN FOR A STEAM GENERATOR TUBE LEAK AND HIGH IODINE LEVEL.

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 *

FACILITY DATA

Report Period SEP 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 JUNE 26 - SEPTEMBER 21, 1984 (REPORT NO. 50-312/84-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-312/84-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JULY 19 - AUGUST 24, 1984 (REPORT NO. 50-312/84-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 10-14, 1984 (REPORT NO. 50-312/84-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 11 - OCTOBER 1, 1984 (REPORT NO. 50-312/84-21) AREAS INSPECTED: SAFETY/SECURITY INTERFACE, SECURITY EVENT FOLLOWUP AND FOLLOWUP OF PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 246 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND THREE CONSULTANTS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON SEPTEMBER 4-7, 1984 (REPORT NO. 50-312/84-22) AREAS INSPECTED: UNANNOUNCED, INSPECTION BY A REGIONAL INSPECTOR OF THE IMPLEMENTATION OF THE RANCHO SECO UNIT 1 FIRE PROTECTION PROGRAM. THE INSPECTION INVOLVED 72 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

Report Period SEP 1984

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

* RANCHO SECO 1 *

OTHER ITEMS

+ THE PLANT REMAINED SHUTDOWN UNTIL AUGUST 16, 1984 FOR REPAIR OF LEAKS IN THE "B" OTSG AND SWAGELOK FITTING PROBLEMS. THE PLANT REACHED 92 PERCENT POWER ON AUGUST 19 AND REMAINED THERE THROUGH AUGUST 24, 1984. AFTER REDUCING POWER TO 40 PERCENT, THE PLANT SHUTDOWN ON AUGUST 31, 1984 DUE TO HIGH RCS IODINE ACTIVITY AND A SMALL LEAK IN "B" OTSG.

LAST IE SITE INSPECTION DATE: 09/11-10/1/84+

INSPECTION REPORT NO: 50-312/84-21+

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			
=====			

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

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: A. E. SCOTT (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): _____

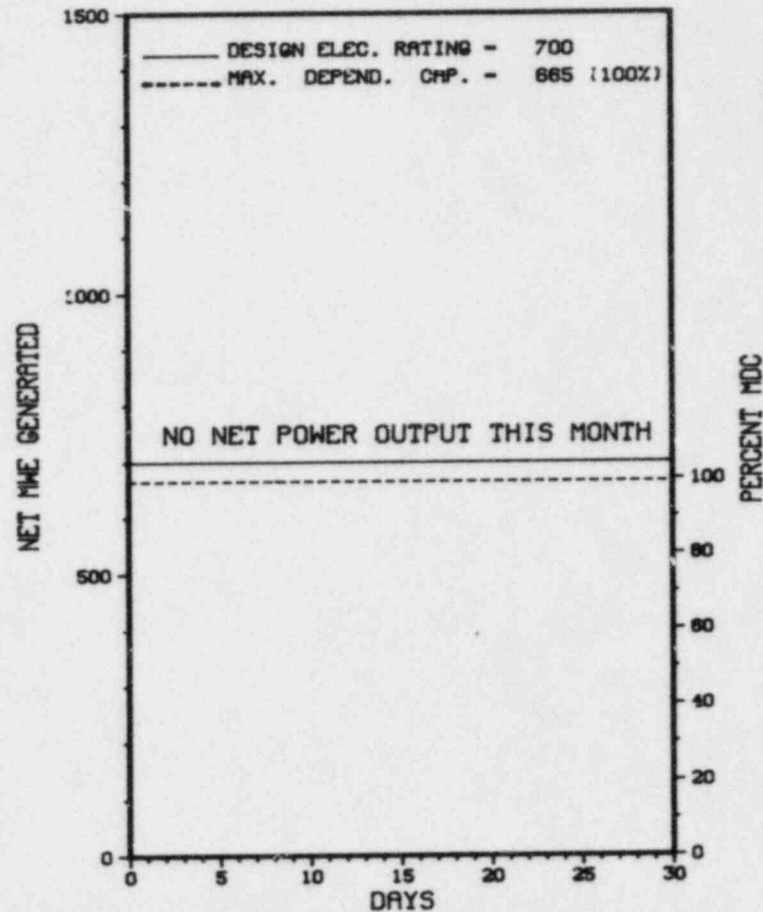
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>119,021.0</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>-5,130</u>	<u>205,183</u>	<u>49,424,807</u>
20. Unit Service Factor	<u>.0</u>	<u>9.4</u>	<u>69.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>9.4</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>4.7</u>	<u>62.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>4.5</u>	<u>59.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.2</u>	<u>14.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>128.2</u>	<u>8,233.5</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>10/25/84</u>			

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

<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 & Corrective Action to Prevent Recurrence</u>
0901	01/26/84	S	720.0	C	4		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

***** ROBINSON 2 REMAINS IN AN EXTENDED OUTAGE FOR REFUELING AND STEAM GENERATOR REPLACEMENT.
* SUMMARY *

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

1. Docket: 50-272 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. P. RONAFALVY (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>720.0</u>	<u>6,575.0</u>	<u>63,600.0</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>-10,750</u>	<u>1,190,786</u>	<u>31,162,098</u>
20. Unit Service Factor	<u>.0</u>	<u>18.2</u>	<u>51.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>18.2</u>	<u>51.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>16.8</u>	<u>45.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>16.6</u>	<u>45.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>71.6</u>	<u>34.0</u>
25. Forced Outage Hours	<u>720.0</u>	<u>3,026.2</u>	<u>17,249.5</u>

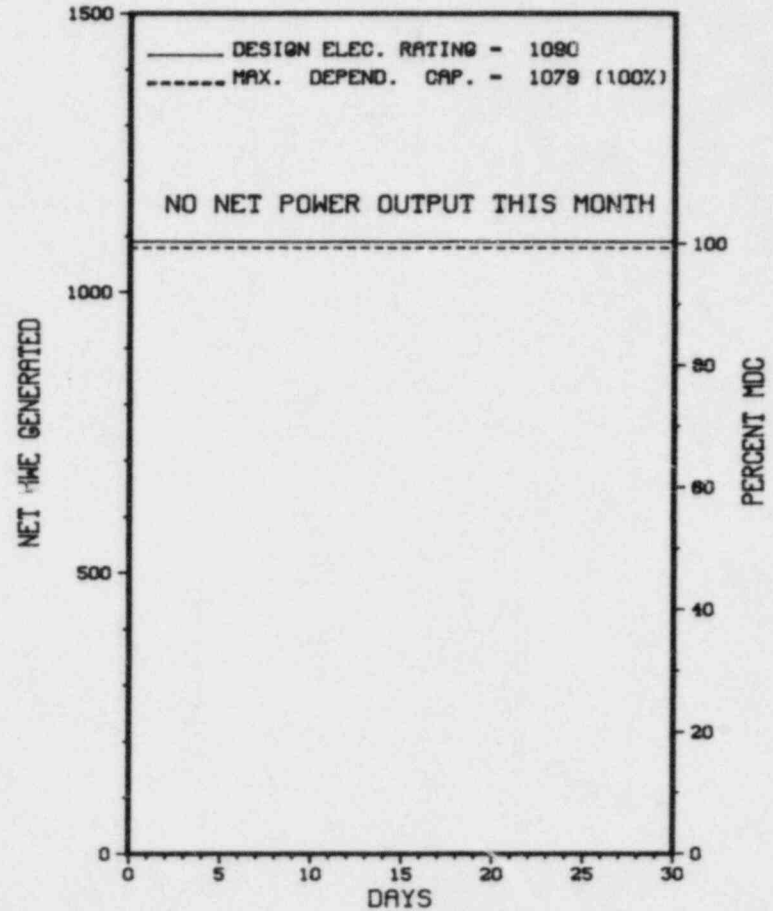
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 10/13/84

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-176	07/09/84	F	720.0	A	4		HA	GENERA	GENERATOR LIQUID COOLING SYSTEM, NUCLEAR SERVICE WATER VALVES, NUCLEAR OTHER CONTROL ROD DRIVE PROBLEMS.

* SUMMARY *

SALEM 1 REMAINS SHUT DOWN FOR GENERATOR COOLING, NUCLEAR SERVICE WATER VALVES, AND CONTROL ROD DRIVE PROBLEMS.

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

* SALEM 1 *

FACILITY DATA

Report Period SEP 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 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. P. RONAFALVY (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>720.0</u>	<u>6,575.0</u>	<u>26,016.0</u>
13. Hours Reactor Critical	<u>673.9</u>	<u>3,304.8</u>	<u>15,013.3</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>658.4</u>	<u>3,113.6</u>	<u>14,530.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,013,103</u>	<u>9,979,798</u>	<u>43,450,870</u>
18. Gross Elec Ener (MWH)	<u>671,470</u>	<u>3,315,030</u>	<u>14,183,320</u>
19. Net Elec Ener (MWH)	<u>640,930</u>	<u>3,122,253</u>	<u>13,439,504</u>
20. Unit Service Factor	<u>91.4</u>	<u>47.4</u>	<u>55.9</u>
21. Unit Avail Factor	<u>91.4</u>	<u>47.4</u>	<u>55.9</u>
22. Unit Cap Factor (MDC Net)	<u>80.5</u>	<u>42.9</u>	<u>46.7</u>
23. Unit Cap Factor (DER Net)	<u>79.8</u>	<u>42.6</u>	<u>46.3</u>
24. Unit Forced Outage Rate	<u>8.6</u>	<u>52.6</u>	<u>34.5</u>
25. Forced Outage Hours	<u>61.6</u>	<u>3,461.4</u>	<u>7,644.5</u>

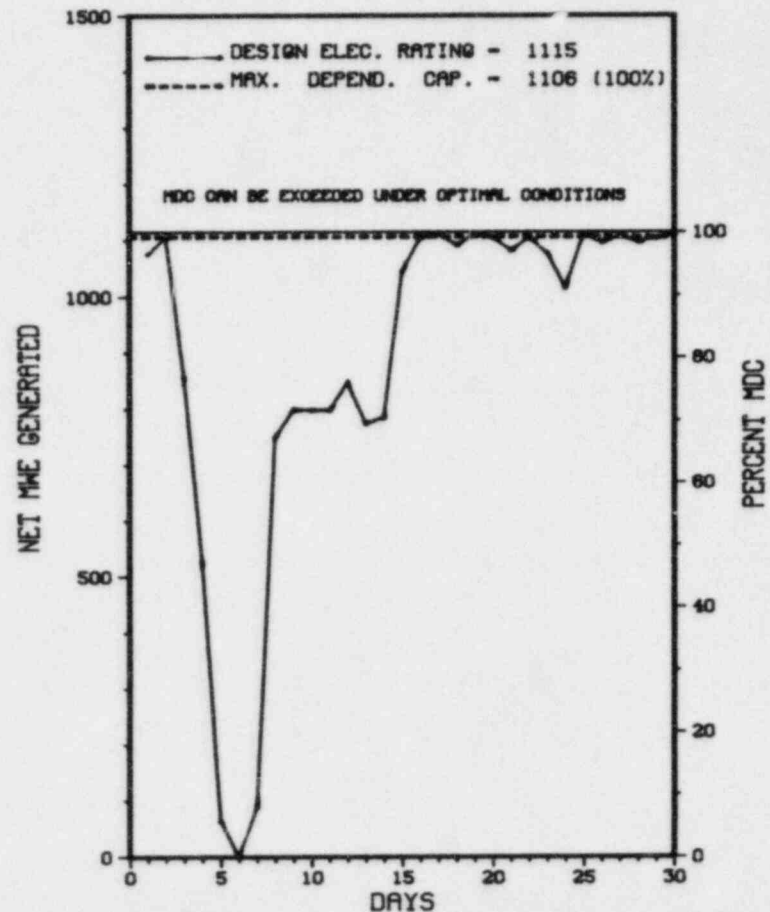
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-242	09/03/84	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
84-244	09/03/84	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
84-246	09/03/84	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
84-248	09/03/84	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
84-250	09/04/84	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
84-252	09/05/84	F	61.6	A	3		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
84-254	09/07/84	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
84-256	09/07/84	F	0.0	A	5		HH	PUMPXX	CONDENSATE/HOTWELL PUMPS.
84-258	09/08/84	F	0.0	A	5		HH	PUMPXX	CONDENSATE/HOTWELL PUMPS.
84-260	09/08/84	F	0.0	A	5		HH	PUMPXX	CONDENSATE/HOTWELL PUMPS.
84-262	09/08/84	F	0.0	A	5		HH	PUMPXX	CONDENSATE/HOTWELL PUMPS.
84-288	09/24/84	S	0.0	B	5		HH	MOTORX	CONDENSATE/HOTWELL PUMP MOTOR.

 * SUMMARY *

 SALEM 2 EXPERIENCED 1 OUTAGE AND SEVERAL POWER REDUCTIONS DURING THE REPORTING 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)

* SALEM 2 *

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

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 8, 1980
DATE ELEC ENER 1ST GENER...JUNE 3, 1981
DATE COMMERCIAL OPERATE...OCTOBER 13, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101
CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER....D. FISCHER
DOCKET NUMBER.....50-311
LICENSE & DATE ISSUANCE...DPR-75, MAY 20, 1981
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-206 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>151,615.0</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>-945</u>	<u>-14,247</u>	<u>34,927,512</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>55.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>55.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.8</u>
23. Unit Cap actor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.8</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):

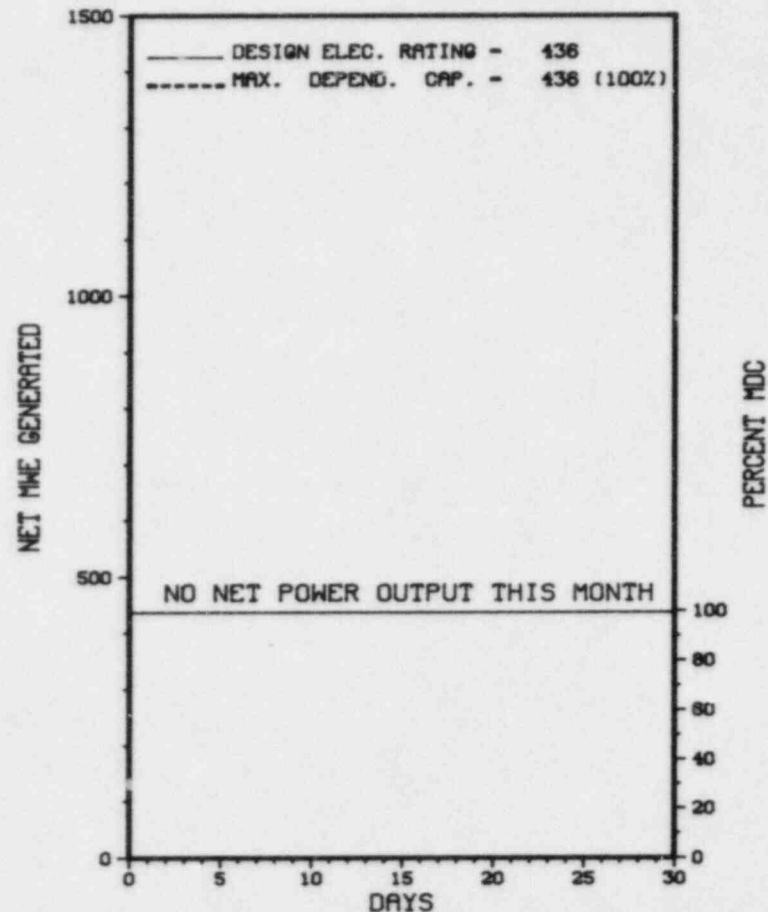
NONE

27. If Currently Shutdown Estimated Startup Date: 11/23/84

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



SEPTEMBER 1984

Report Period SEP 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	720.0	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	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		

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1. Docket: 50-361 OPERATING STATUS
 2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0
 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>720.0</u>	<u>6,575.0</u>	<u>10,080.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,799.5</u>	<u>7,412.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,697.9</u>	<u>7,259.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,405,237</u>	<u>15,331,265</u>	<u>23,824,800</u>
18. Gross Elec Ener (MWH)	<u>789,413</u>	<u>5,128,129</u>	<u>8,040,093</u>
19. Net Elec Ener (MWH)	<u>751,545</u>	<u>4,849,033</u>	<u>7,624,677</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.5</u>	<u>72.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.5</u>	<u>72.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>68.8</u>	<u>70.7</u>
23. Unit Cap Factor (DER Net)	<u>97.6</u>	<u>68.8</u>	<u>70.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>4.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>208.7</u>	<u>309.6</u>

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

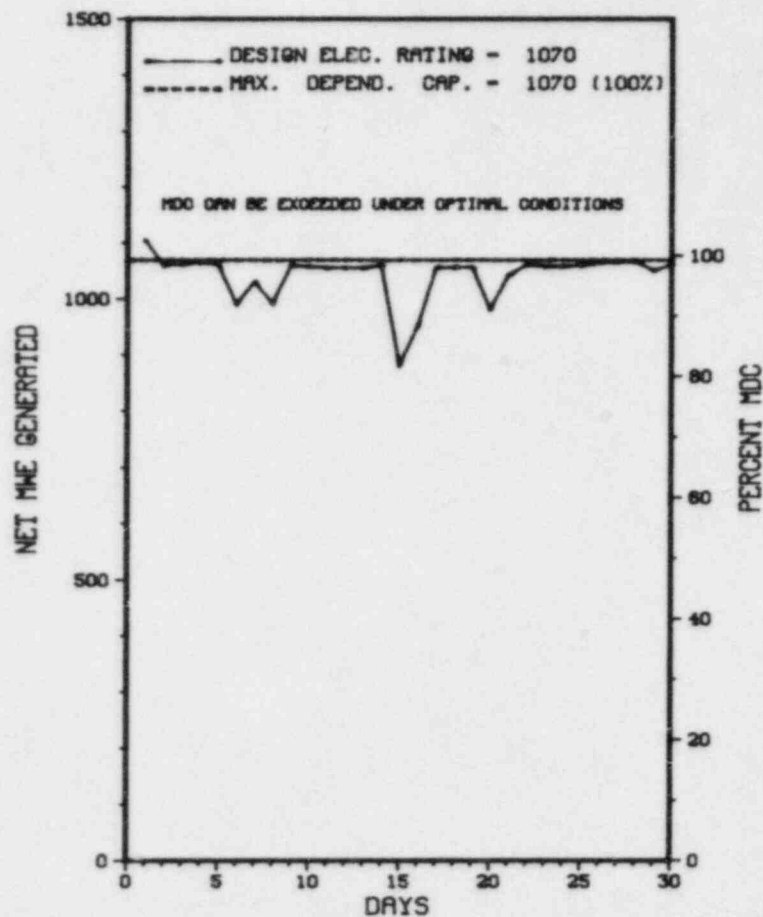
REFUELING, OCTOBER 21, 1984, 3 1/2 MONTHS.

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

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 2 *

<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 & Corrective Action to Prevent Recurrence</u>
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NONE

* SUMMARY *

SAN ONOFRE 2 OPERATED ROUTINELY IN SEPTEMBER WITH NO SHUTDOWNS OR MAJOR POWER REDUCTIONS REPORTED.

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

* SAN ONOFRE 2 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 26, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. CHAFFEE
LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-361
LICENSE & DATE ISSUANCE...., SEPTEMBER 7, 1982
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 JUNE 11 - AUGUST 5, 1984 (REPORT NO. 50-361/84-18) AREAS INSPECTED: ROUTINE, MONTHLY RESIDENT INSPECTION OF OPERATION PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, LICENSEE EVENT REPORT REVIEW, MONTHLY MAINTENANCE ACTIVITIES, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 96 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WEERE IDENTIFIED.

+ INSPECTION ON JULY 24 - SEPTEMBER 7, 1984 (REPORT NO. 50-361/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 4-7, 1984 (REPORT NO. 50-361/84-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 18 - OCTOBER 30, 1984 (REPORT NO. 50-361/84-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

Report Period SEP 1984

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

* SAN ONOFRE 2 *

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:

LAST IE SITE INSPECTION DATE: 09/18-10/30/84+

INSPECTION REPORT NO: 50-361/84-27+

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
01-13-X4	01-11-84	01-13-84	FIRE BARRIERS NOT IN CONFORMANCE WITH FIRE PROTECTION PLAN
01-26-X4	01-11-84	01-26-84	FOLLOWUP REPORT TO SPECIAL REPORT SUBMITTED 01-13-84
06-20-84	06-20-84	07-05-84	SPURIOUS CALIB.FAILURE VENT MONITOR 3RE-7865 RESULTED IN REMOVAL FROM SERVICE-RETURNED TO SERVICE 6/29
07-19-X4	- -	- -	INOPERABLE FIRE DOORS
84-08-X0	08-04-84	08-17-84	2RE-7865 INOPERABLE GREATER THAN 72 HOURS PREPLANNED ALTERNATIVES TAKEN
84-29-L0	06-14-84	07-12-84	INADVERTENT DE-ENERGIZATION OF EMERGENCY CHILLER/INITIATION OF TOXIC GAS ISOLATION SYSTEM
84-33-L0	06-16-84	07-16-84	FIRE WATER MAIN LEAK
84-34-L0	06-11-84	07-11-84	FAILURE TO ESTABLISH FIRE WATCH
84-35-L0	06-25-84	07-25-84	CPIS ACTUATED BY MONITOR ZRE-7804 DURING SG WORK-PURGE RESTART AFTER NEW MONITOR SETPOINT ESTABLISHED

Report Period SEP 1984

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

* SAN ONOFRE 2 *

84-36-L0	06-29-84	08-17-84	HPSI ISOLATION VALVES
84-37-L0	06-27-84	07-27-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM (TGIS) ACTUATIONS
84-38-L0	07-08-84	08-02-84	FOUR SPURIOUS CRIS ACTUATIONS CSD BY NOISE ON MONITOR 2BRE-7824 REPEAT OF 84-23-L0-FOLUP RPT
84-39-L0	07-12-84	08-13-84	MISSED IN-SERVICE INSPECTION TEST ON SHUTDOWN COOLING HEAT EXCHANGER VALVES
84-40-L0	07-23-84	08-22-84	MAIN STEAM ISOLATION SYSTEM INADVERTENT ACTUATION
84-41-L0	07-24-84	07-25-84	FIRE PROTECTION PROGRAM DISCREPANCIES
84-42-L0	07-30-84	08-29-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM (TGIS) ACTUATIONS
84-43-L0	08-08-84	09-06-84	DNBR REACTOR TRIP
84-44-L0	08-03-84	09-04-84	TOXIC GAS ISOLATION SYSTEM ACTUATION
84-45-L0	08-09-84	09-10-84	CHARGING PUMP 2P191 CRACKED BLOCK

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1. Docket: 50-362 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>4,391.0</u>	<u>4,391.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,065.9</u>	<u>3,065.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,833.0</u>	<u>2,833.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,405,823</u>	<u>8,784,726</u>	<u>8,784,726</u>
18. Gross Elec Ener (MWH)	<u>801,505</u>	<u>2,984,642</u>	<u>2,984,642</u>
19. Net Elec Ener (MWH)	<u>764,441</u>	<u>2,802,896</u>	<u>2,802,896</u>
20. Unit Service Factor	<u>100.0</u>	<u>64.5</u>	<u>64.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>64.5</u>	<u>64.5</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>59.1</u>	<u>59.1</u>
23. Unit Cap Factor (DER Net)	<u>98.3</u>	<u>59.1</u>	<u>59.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>1.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>46.8</u>	<u>46.8</u>

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

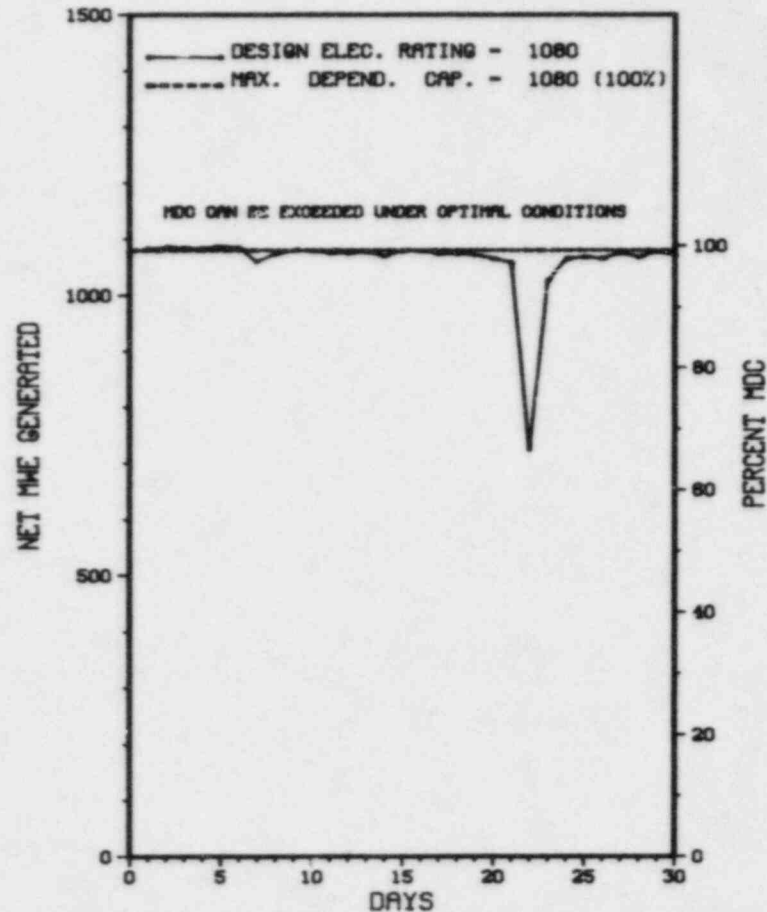
NONE

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

 * SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/22/84	S	0.0	B	5				POWER REDUCTION FOR TURBINE STOP AND GOVERNOR VALVE TESTING, CONTROL ELEMENT ASSEMBLY EXERCISING AND OTHER MISCELLANEOUS SURVEILLANCE AND MAINTENANCE ITEMS.

* SUMMARY *

SAN ONOFRE 1 EXPERIENCED NO OUTAGES AND 1 POWER REDUCTION IN SEPTEMBER.

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 *

FACILITY DATA

Report Period SEP 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....NPF-15, 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 JUNE 11 - AUGUST 5, 1984 (REPORT NO. 50-362/84-18) AREAS INSPECTED: ROUTINE, MONTHLY RESIDENT INSPECTION OF OPERATION PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, LICENSEE EVENT REPORT REVIEW, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, BIMONTHLY ESF SYSTEM WALKDOWN, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 183 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 27 - SEPTEMBER 7, 1984 (REPORT NO. 50-362/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ ENFORCEMENT CONFERENCE ON AUGUST 8, 1984 (REPORT NO. 84-26) THE FOLLOWING MATTERS WERE DISCUSSED: 1. ACTIONS BEING TAKEN BY THE LICENSEE IN RESPONSE TO THE NOTICE OF VIOLATION ISSUED ON MAY 16, 1984. 2. THE LICENSEE'S WRITTEN RESPONSE TO THE NOTICE OF VIOLATION.

THIS MEETING AND ENFORCEMENT CONFERENCE INVOLVED A TOTAL OF 20 HOURS BY SIX NRC REPRESENTATIVES.

+ INSPECTION ON SEPTEMBER 4-7, 1984 (REPORT NO. 50-362/84-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 18 - OCTOBER 30, 1984 (REPORT NO. 50-362/84-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period SEP 1984

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

* SAN ONOFRE 3 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ABNORMALLY HIGH RADIATION LEVELS OBSERVED IN REACTOR COOLANT SYSTEM.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED NOVEMBER 15, 1982. THE FULL POWER LICENSE WAS ISSUED SEPTEMBER 16, 1983.

PLANT STATUS:

INITIAL CRITICALITY WAS AUGUST 29, 1983. POWER ASCENSION TESTING WAS COMPLETED ON JANUARY 6, 1984. THE UNIT IS NOW OPERATING AT FULL POWER.

ABNORMALLY HIGH LEVELS OF RADIOACTIVITY HAVE BEEN OBSERVED, AND THE CAUSE AND NECESSARY CORRECTIVE ACTIONS ARE BEING EVALUATED.

LAST IE SITE INSPECTION DATE: 09/18-10/30/84+

INSPECTION REPORT NO: 50-362/84-28+

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
06-01-84	06-01-84	06-15-84	TWO CONDENSER EVAC.MONITORS DOS MORE THAN 72 HRS-APPROPRIATE ACTION STATEMENTS ADDRESSED
84-03-X0	06-08-84	06-21-84	3RE-7870 NOT RETURNED TO SERVICE IN 72 HR. PREPLANNED ALTERNATE TAKEN
84-09-L0	03-17-84	03-30-84	INOPERABILITY OF CONTAINMENT SPRAY SYSTEM
84-21-L0	06-02-84	06-29-84	NUCLEAR SAMPLE SYSTEM RELIEF VALVE LIFTED-427 CI NOBLES RELEASED-7 TIMES 10CFR20 APP.B TABL II VALUE
84-23-L0	06-01-84	06-28-84	DE I131 EXCEEDED 1 MCI/GM ON TWO OCCASIONS-INFO REQ BY TS RPTD ACTION STATEMENTS SATISFIED
84-24-L0	06-11-84	07-09-84	DNBR REACTOR TRIP
84-25-L0	06-14-84	07-16-84	SYSTEM STATUS FOLLOWING TESTING
84-26-L0	06-12-84	07-12-84	FAULTY REPLACEMENT 3RE-7807 IODINE CHANNEL RESULTED IN CPIS ACTUATION LOGIC-NO PURGE-NO ACTUATION
84-27-L0	06-12-84	07-12-84	FAILURE TO COLLECT 24 HR CONTAINMENT PART. & I SAMPLE-PERSONNEL ERROR
84-28-L0	06-14-84	07-16-84	DELINQUENT PROCESSING OF OVERTIME REQUEST FORMS
84-29-L0	07-09-84	08-14-84	REACTOR POWER INCREASE
84-32-L0	08-08-84	09-07-84	HIGH STEAM GENERATOR WATER LEVEL REACTOR TRIP
84-33-L0	08-05-84	09-06-84	CONDENSATE STORAGE TANK BLOCKED FLOW PATH
84-34-L0	08-24-84	08-27-84	MISSING CONDUIT FIRE WRAPPING

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1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

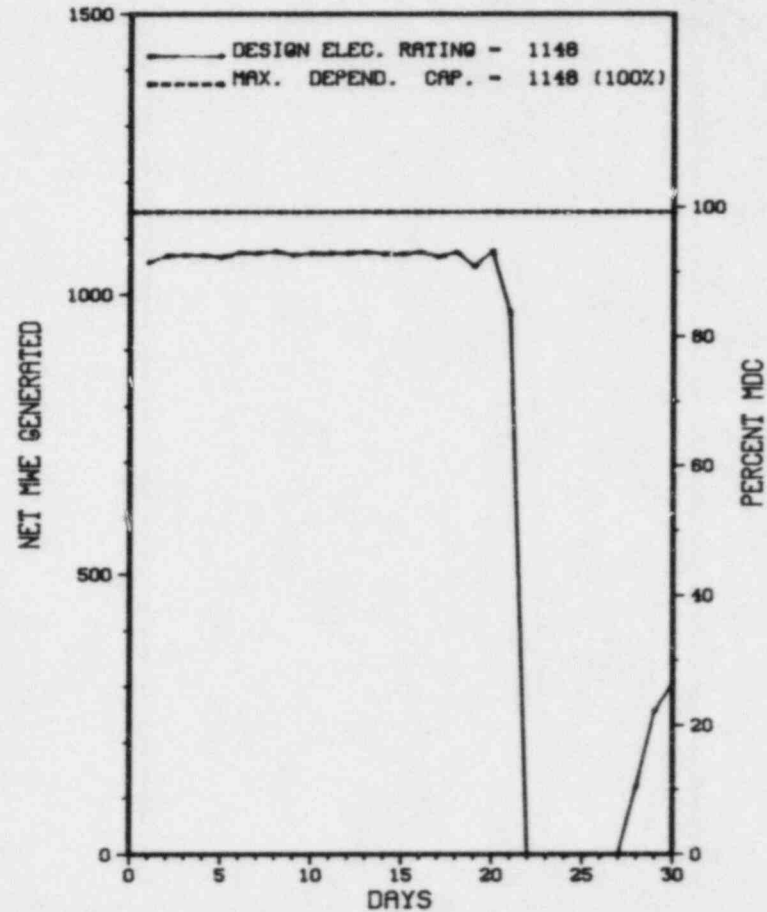
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>28,512.0</u>
13. Hours Reactor Critical	<u>602.5</u>	<u>3,997.1</u>	<u>18,438.5</u>
14. Rx Reserv Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>563.7</u>	<u>3,786.7</u>	<u>17,899.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,767,264</u>	<u>11,704,072</u>	<u>57,195,872</u>
18. Gross Elec Ener (MWH)	<u>573,870</u>	<u>3,819,860</u>	<u>19,200,996</u>
19. Net Elec Ener (MWH)	<u>549,030</u>	<u>3,657,509</u>	<u>18,434,337</u>
20. Unit Service Factor	<u>78.3</u>	<u>57.6</u>	<u>62.8</u>
21. Unit Avail Factor	<u>78.3</u>	<u>57.6</u>	<u>62.8</u>
22. Unit Cap Factor (MDC Net)	<u>66.4</u>	<u>48.5</u>	<u>56.3</u>
23. Unit Cap Factor (DER Net)	<u>66.4</u>	<u>48.5</u>	<u>56.3</u>
24. Unit Forced Outage Rate	<u>21.7</u>	<u>27.4</u>	<u>21.2</u>
25. Forced Outage Hours	<u>156.3</u>	<u>1,426.8</u>	<u>4,807.5</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

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

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/21/84	F	156.3	A	1				STEAM LEAKS ON FEEDWATER DRAIN LINES REPAIRED.

* SUMMARY *

SEQUOYAH 1 INCURRED 1 SHUTDOWN IN SEPTEMBER FOR STEAM LEAKS ON FEEDWATER DRAIN LINES.

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)

* SEQUOYAH 1 *

FACILITY DATA

Report Period SEP 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...JULY 5, 1980
DATE ELEC ENER 1ST GENER...JULY 22, 1980
DATE COMMERCIAL OPERATE...JULY 1, 1981
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.....500A CHESTNUT STREET TOWER II
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.....50-327
LICENSE & DATE ISSUANCE...DPR-77, SEPTEMBER 17, 1980
PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION JULY 16-20 AND JULY 24-26 (84-18): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 58 INSPECTOR-HOURS IN THE AREAS OF BROWNS FERRY AND SEQUOYAH PLANT TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED AT THE BROWNS FERRY NUCLEAR PLANT AND ONE VIOLATION WAS IDENTIFIED AT THE SEQUOYAH NUCLEAR PLANT.

INSPECTION JULY 6 - AUGUST 5 (84-20): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 85 INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, AUXILIARY CONTROL SYSTEM, RESIDUAL HEAT REMOVAL SYSTEM, FOLLOWUP ON EVENTS, ESF SYSTEM OPERABILITY, IE BULLETIN FOLLOWUP, LER FOLLOWUP, INDEPENDENT INSPECTION EFFORT AND IN-OFFICE REVIEW. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN SIX AREAS; FOUR VIOLATIONS WERE FOUND IN THREE AREAS (FAILURE TO HAVE AN ADEQUATE MAINTENANCE PROCEDURE; FAILURE TO HAVE AN ADEQUATE SURVEILLANCE PROCEDURE ON RHR; FAILURE TO MAKE REQUIRED 10 CFR 50.72 NOTIFICATION AND FAILURE TO IMPLEMENT PROCEDURES).

INSPECTION AUGUST 6-10 (84-21): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF ORGANIZATION AND MANAGEMENT, TRAINING AND QUALIFICATIONS, INTERNAL EXPOSURES, EXTERNAL EXPOSURES, CONTROL OF RADIOACTIVE MATERIAL, ALARA, SOLID WASTES AND TRANSPORTATION AND PASS FOLLOW-UP ITEMS. A VIOLATION WAS IDENTIFIED - TWO INSTANCES OF FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURES WERE FOUND.

INSPECTION AUGUST 27-30 (84-22): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 30 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-328 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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):

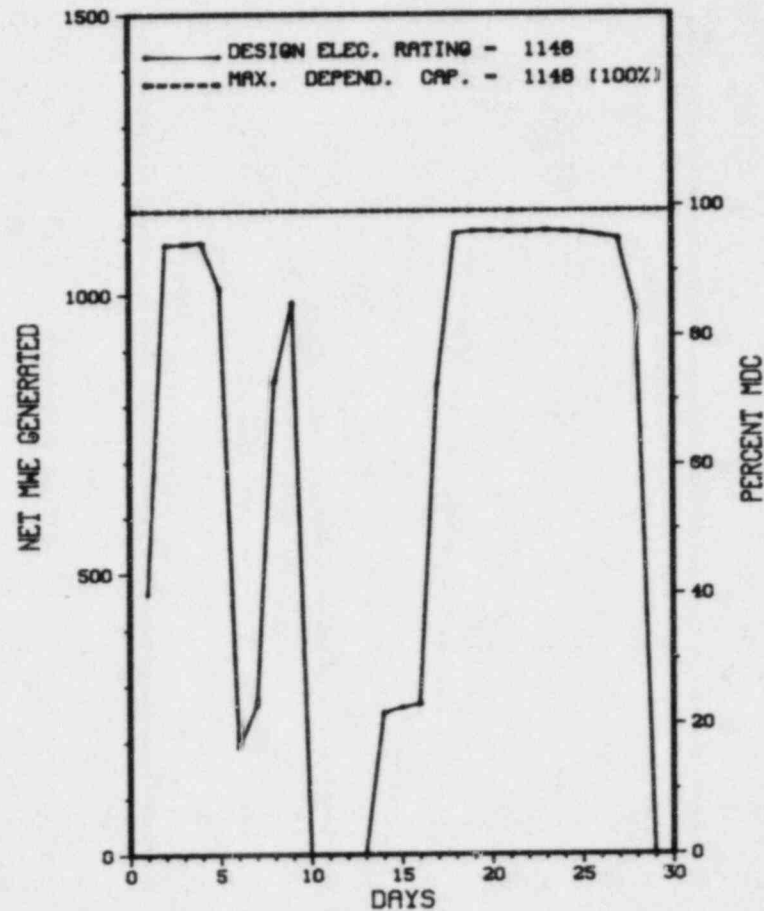
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>20,472.0</u>
13. Hours Reactor Critical	<u>575.0</u>	<u>6,124.7</u>	<u>16,485.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>532.4</u>	<u>5,987.9</u>	<u>16,142.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,471,238</u>	<u>19,449,576</u>	<u>51,867,643</u>
18. Gross Elec Ener (MWH)	<u>482,390</u>	<u>6,620,740</u>	<u>17,652,680</u>
19. Net Elec Ener (MWH)	<u>459,346</u>	<u>6,373,689</u>	<u>16,991,427</u>
20. Unit Service Factor	<u>73.9</u>	<u>91.1</u>	<u>78.9</u>
21. Unit Avail Factor	<u>73.9</u>	<u>91.1</u>	<u>78.9</u>
22. Unit Cap Factor (MDC Net)	<u>55.6</u>	<u>84.4</u>	<u>72.3</u>
23. Unit Cap Factor (DER Net)	<u>55.6</u>	<u>84.4</u>	<u>72.3</u>
24. Unit Forced Outage Rate	<u>20.6</u>	<u>7.4</u>	<u>8.9</u>
25. Forced Outage Hours	<u>138.4</u>	<u>480.3</u>	<u>1,582.1</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>11/24/84</u>			

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SEQUOYAH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/05/84	F	34.6	A	3				LOW E.H.C. PRESSURE.
9	09/09/84	F	19.9	A	3				NEUTRAL TRANSFORMER OVERVOLTAGE.
10	09/10/84	F	4.0	G	3				LO-LO LEVEL STEAM GENERATOR NO. 4.
11	09/10/84	F	3.3	A	3				COND. DI WAS BYPASSED DUE TO HIGH DELTA 'P' DURING START UP CAUSING THE MFPT AND S/G'S TO SWING.
12	09/10/84	F	76.6	A	3				FEED WATER REG. VALVE TO NO. 4 S/G WAS SLUGGISH IN OPERATIONS DURING START-UP. MFPT WOULD NOT RESET.
13	09/28/84	S	49.2	C	1				CYCLE 2 REFUELING/MODIFICATION OUTAGE COMMENCES.

 * SUMMARY *

 SEQUOYAH 2 EXPERIENCED 6 SHUTDOWNS IN SEPTEMBER AS DESCRIBED ABOVE.

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)

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1. Docket: 50-335 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1000 X 0.89 = 890

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 867

8. Maximum Dependable Capacity (Net MWe): 822

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

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

11. Reasons for Restrictions, If Any:
NONE

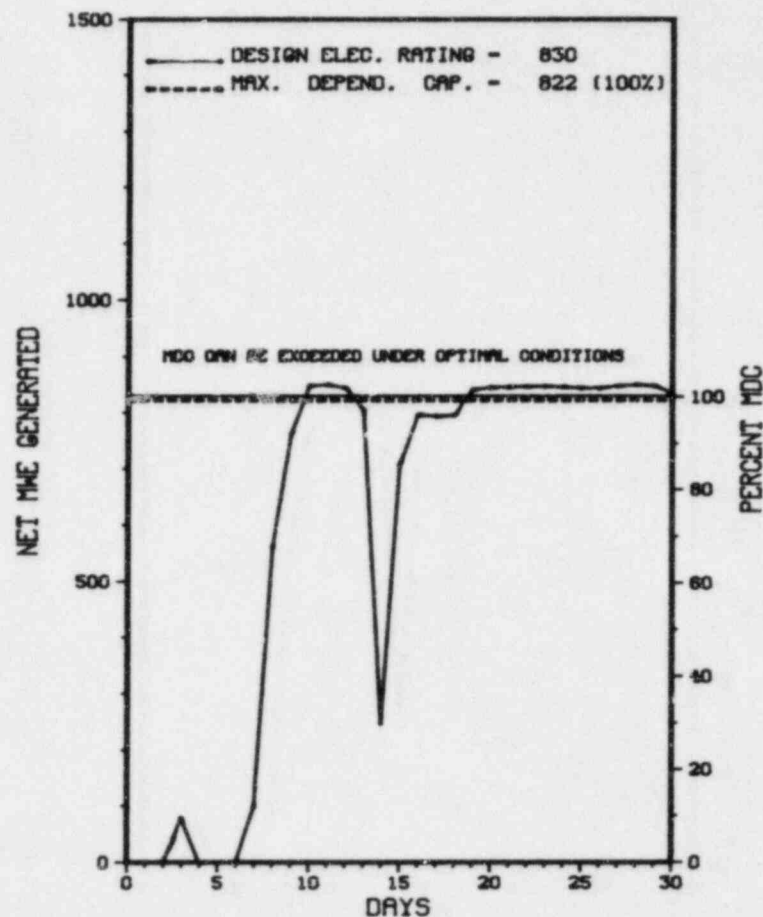
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>68,183.0</u>
13. Hours Reactor Critical	<u>711.7</u>	<u>3,377.5</u>	<u>47,843.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>555.9</u>	<u>3,002.3</u>	<u>46,579.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,415,580</u>	<u>7,712,821</u>	<u>116,380,759</u>
18. Gross Elec Ener (MWH)	<u>465,310</u>	<u>2,563,180</u>	<u>37,937,055</u>
19. Net Elec Ener (MWH)	<u>436,781</u>	<u>2,403,507</u>	<u>35,733,207</u>
20. Unit Service Factor	<u>77.2</u>	<u>45.7</u>	<u>68.3</u>
21. Unit Avail Factor	<u>77.2</u>	<u>45.7</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>73.8</u>	<u>44.5</u>	<u>63.8</u>
23. Unit Cap Factor (DER Net)	<u>73.1</u>	<u>44.0</u>	<u>63.1</u>
24. Unit Forced Outage Rate	<u>22.8</u>	<u>8.9</u>	<u>4.9</u>
25. Forced Outage Hours	<u>164.1</u>	<u>294.2</u>	<u>2,398.9</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ST LUCIE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	08/31/84	F	54.8	H	4		HF	ZZZZZZ	EXCESSIVE JELLYFISH IN INTAKE CANAL PREVENTED PLANT OPERATION AT POWER. TURBINE GENERATOR VIBRATIONS REQUIRED REDUCED POWER WHEN THE UNIT WAS RETURNED TO OPERATION.
11	09/03/84	F	96.3	H	9		HF	ZZZZZZ	THE UNIT WAS REMOVED FROM POWER OPERATION TO BALANCE THE TURBINE AND THEN KEPT SHUTDOWN DUE TO EXCESSIVE JELLYFISH IN INTAKE.
12	09/14/84	F	13.0	H	2		HF	ZZZZZZ	EXCESSIVE JELLYFISH IN INTAKE CANAL PREVENTED PLANT OPERATION AT POWER. THE UNIT RETURNED TO OPERATION AT REDUCED POWER INITIALLY TO REPAIR TRAVELING SCREENS.

 * SUMMARY *

 ST. LUCIE 1 EXPERIENCED 3 SHUTDOWNS IN SEPTEMBER 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		

* ST LUCIE 1 *

FACILITY DATA

Report Period SEP 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

+ NO INSPECTIONS CONDUCTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

DURING REFUELING OUTAGE, THE THERMAL SHIELD WITHIN THE REACTOR VESSEL WAS FOUND TO BE BROKEN. THE SHIELD HAS BEEN REMOVED.

FACILITY ITEMS (PLANS AND PROCEDURES):

EXTENDED OUTAGE, RESTART PLANNED IN EARLY 1984.

1. Docket: 50-389 OPERATING STATUS
 2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0
 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>720.0</u>	<u>6,575.0</u>	<u>10,080.0</u>
13. Hours Reactor Critical	<u>577.9</u>	<u>6,380.9</u>	<u>4,607.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>513.2</u>	<u>6,179.7</u>	<u>9,310.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,242,195</u>	<u>15,623,970</u>	<u>23,281,914</u>
18. Gross Elec Ener (MWH)	<u>402,980</u>	<u>5,216,680</u>	<u>7,759,900</u>
19. Net Elec Ener (MWH)	<u>375,570</u>	<u>4,929,859</u>	<u>7,327,445</u>
20. Unit Service Factor	<u>71.3</u>	<u>94.0</u>	<u>92.4</u>
21. Unit Avail Factor	<u>71.3</u>	<u>94.0</u>	<u>92.4</u>
22. Unit Cap Factor (MDC Net)	<u>66.4</u>	<u>95.4</u>	<u>92.5</u>
23. Unit Cap Factor (DER Net)	<u>64.9</u>	<u>93.3</u>	<u>90.4</u>
24. Unit Forced Outage Rate	<u>19.2</u>	<u>4.2</u>	<u>6.5</u>
25. Forced Outage Hours	<u>121.9</u>	<u>272.5</u>	<u>647.1</u>

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

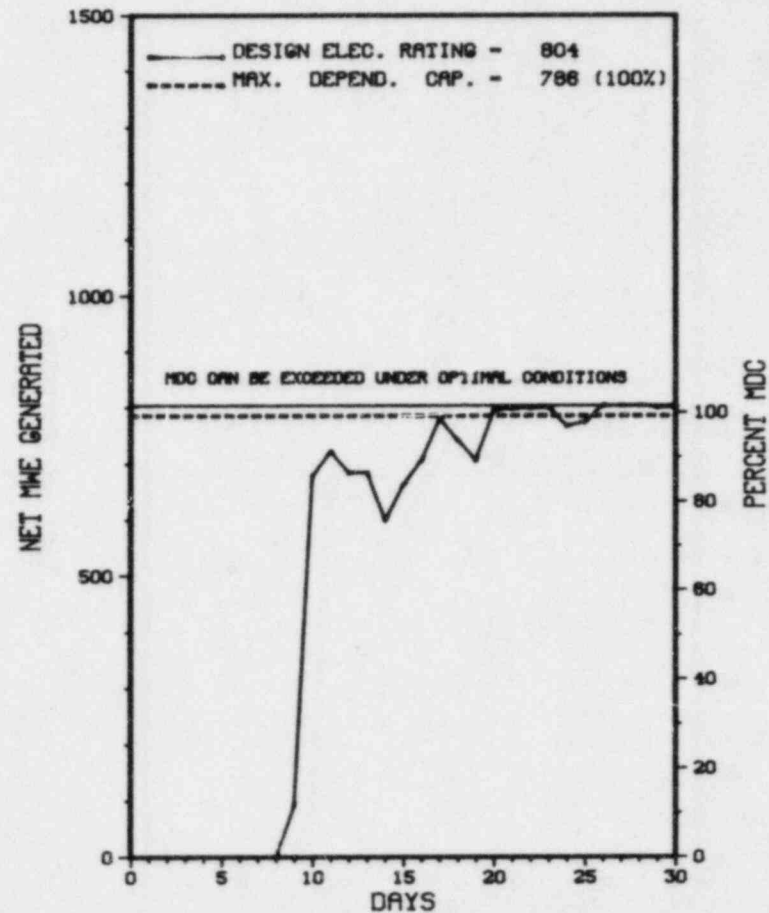
REFUELING, OCTOBER 13, 1984, 5 WEEKS.

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

 * ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ST LUCIE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
08	08/31/84	F	121.9	H	4		HF	ZZZZZZ	EXCESSIVE JELLYFISH IN INTAKE CANAL PREVENTED PLANT OPERATION.
09	09/06/84	S	84.9	B	9		HH	ZZZZZZ	THE ABOVE OUTAGE WAS CONTINUED TO PERFORM MAINTENANCE ON THE SECONDARY SYSTEM. THE UNIT RETURNED TO OPERATION INITIALLY AT REDUCED LOAD DUE TO SECONDARY CHEMISTRY REQUIREMENTS AND TURBINE CONTROLS.
10	09/14/84	F	0.0	H	5		HF	ZZZZZZ	POWER WAS REDUCED FOR ABOUT 3 HOURS DUE TO EXCESSIVE JELLYFISH IN INTAKE CANAL.

 * SUMMARY *

 ST. LUCIE 2 EXPERIENCED 2 OUTAGES AND 1 POWER REDUCTION IN SEPTEMBER.

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 SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR .. 12 MY 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
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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

+ NO INSPECTIONS CONDUCTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-395 O P E R A T I N G S T A T U S
 2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0
 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

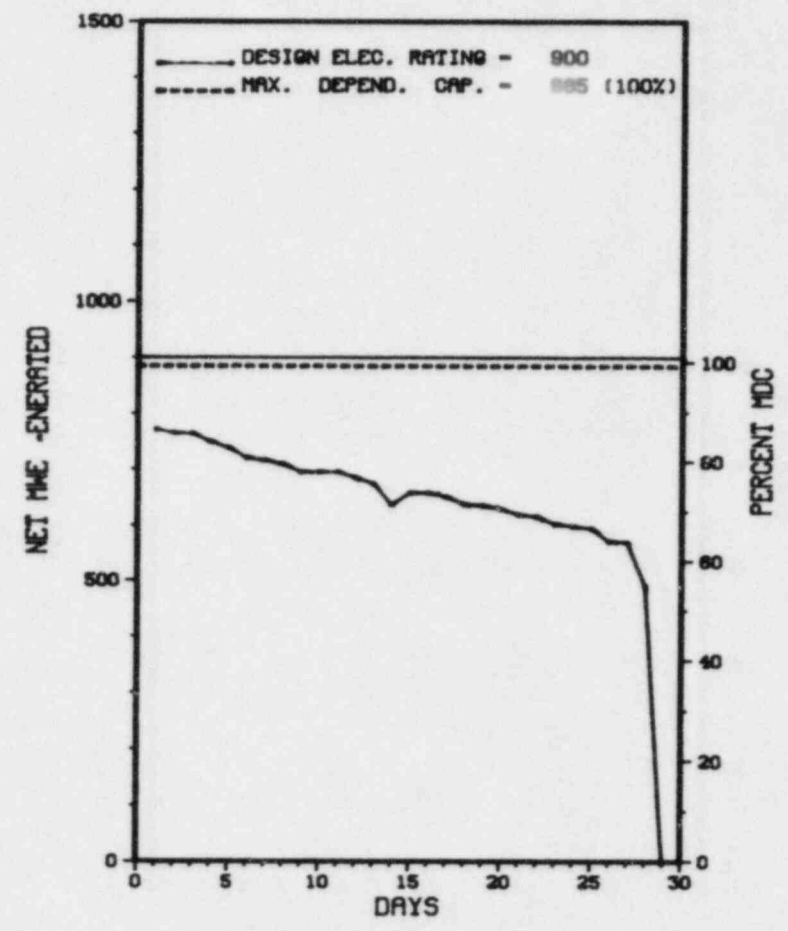
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>6,575.0</u>
13. Hours Reactor Critical	<u>669.9</u>	<u>5,253.5</u>	<u>5,253.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>669.8</u>	<u>5,095.6</u>	<u>5,095.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,405,054</u>	<u>12,876,704</u>	<u>12,876,704</u>
18. Gross Elec Ener (MWH)	<u>469,450</u>	<u>4,286,303</u>	<u>4,286,303</u>
19. Net Elec Ener (MWH)	<u>444,922</u>	<u>4,083,883</u>	<u>4,083,883</u>
20. Unit Service Factor	<u>93.0</u>	<u>77.5</u>	<u>77.5</u>
21. Unit Avail Factor	<u>93.0</u>	<u>77.5</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>69.8</u>	<u>69.9</u>	<u>70.2</u>
23. Unit Cap Factor (DER Net)	<u>68.7</u>	<u>69.0</u>	<u>69.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.2</u>	<u>11.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>644.4</u>	<u>644.4</u>

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

27. If Currently Shutdown Estimated Startup Date: 12/01/84

 * S U M M E R 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 S U M M E R 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	09/28/84	S	50.2	C	3				REFUELING OUTAGE COMMENCES.

* SUMMARY *

SUMMER 1 BEGAN A REFUELING OUTAGE ON SEPTEMBER 28TH.

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

* SUMMER 1 *

FACILITY DATA

Report Period SEP 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 AUGUST 21-22 (84-24): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE EMERGENCY PREPAREDNESS AREA OF PROMPT NOTIFICATION SYSTEM. THE INSPECTION SCOPE WAS LIMITED TO A DETAILED REVIEW OF THE CURRENT OPERATIONAL STATUS OF THE EARLY WARNING SIREN SYSTEM (EWSS), REVIEW OF EWSS OPERATIONAL AND MAINTENANCE PROCEDURES, EWSS TEST PROCEDURES AND THE IMPLEMENTATION THEREOF DURING THE PERIOD APRIL 4, 1984, TO LATE AUGUST 1984. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, MANAGEMENT ATTENTION IS DIRECTED TOWARD ENSURING THAT RELIABILITY OF THE EWSS CONTINUES TO MEET CURRENT FEDERAL CRITERIA.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-280 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>103,223.0</u>
13. Hours Reactor Critical	<u>622.5</u>	<u>5,173.3</u>	<u>64,272.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>9.3</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>622.5</u>	<u>5,100.3</u>	<u>62,967.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,204,039</u>	<u>11,041,688</u>	<u>145,442,301</u>
18. Gross Elec Ener (MWH)	<u>379,720</u>	<u>3,523,505</u>	<u>46,843,348</u>
19. Net Elec Ener (MWH)	<u>355,815</u>	<u>3,327,010</u>	<u>44,404,746</u>
20. Unit Service Factor	<u>86.5</u>	<u>77.6</u>	<u>61.0</u>
21. Unit Avail Factor	<u>86.5</u>	<u>77.6</u>	<u>64.6</u>
22. Unit Cap Factor (MDC Net)	<u>63.8</u>	<u>65.3</u>	<u>55.5</u>
23. Unit Cap Factor (DER Net)	<u>62.7</u>	<u>64.2</u>	<u>54.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.0</u>	<u>20.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>212.3</u>	<u>12,424.1</u>

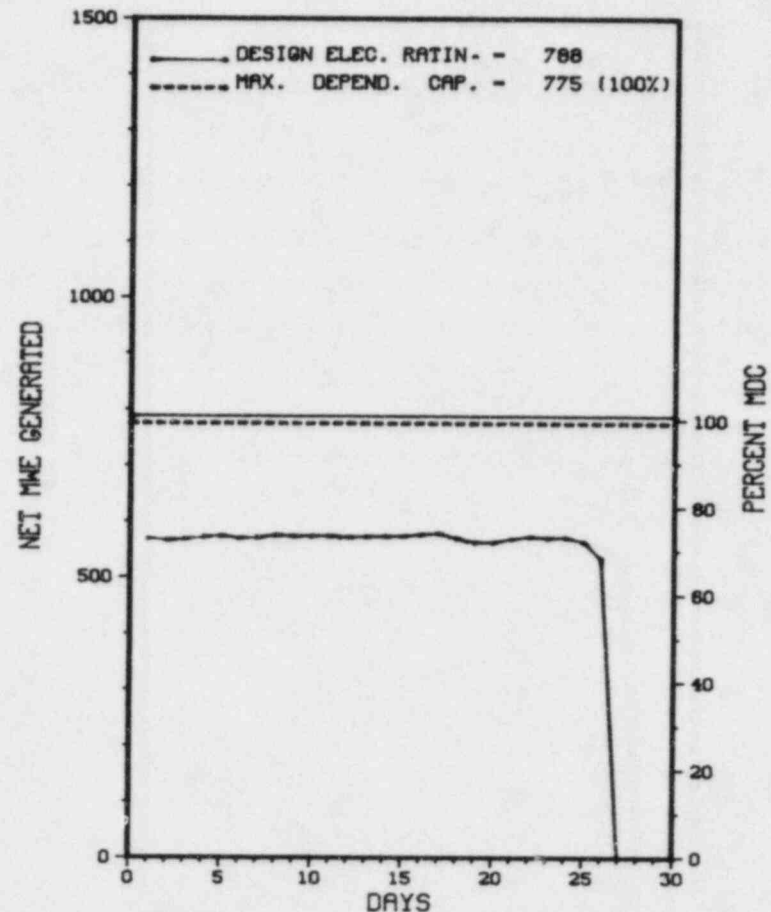
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/14/84

* SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-9	09/26/84	S	97.5	C	3				REACTOR TRIP CAUSED BY "C" RCP TRIPPING ON INSTANTANEOUS OVERCURRENT. THE FAILURE WAS APPARENTLY THE "A" PHASE CONNECTOR. IT WILL BE REPAIRED BY PERFORMING A FIELD REPLACEMENT OF THE STATOR COIL TEE ON THE MOTOR. COMMENCED REFUELING OUTAGE.

* SUMMARY *

SURRY 1 EXPERIENCED A REACTOR TRIP ON SEPTEMBER 26TH AND REMAINS 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)

* SURRY 1 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 M^W NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 1, 1972
DATE ELEC ENER 1ST GENER...JULY 4, 1972
DATE COMMERCIAL OPERATE...DECEMBER 22, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

+ NO INSPECTIONS CONDUCTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

1. Docket: 50-281 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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):

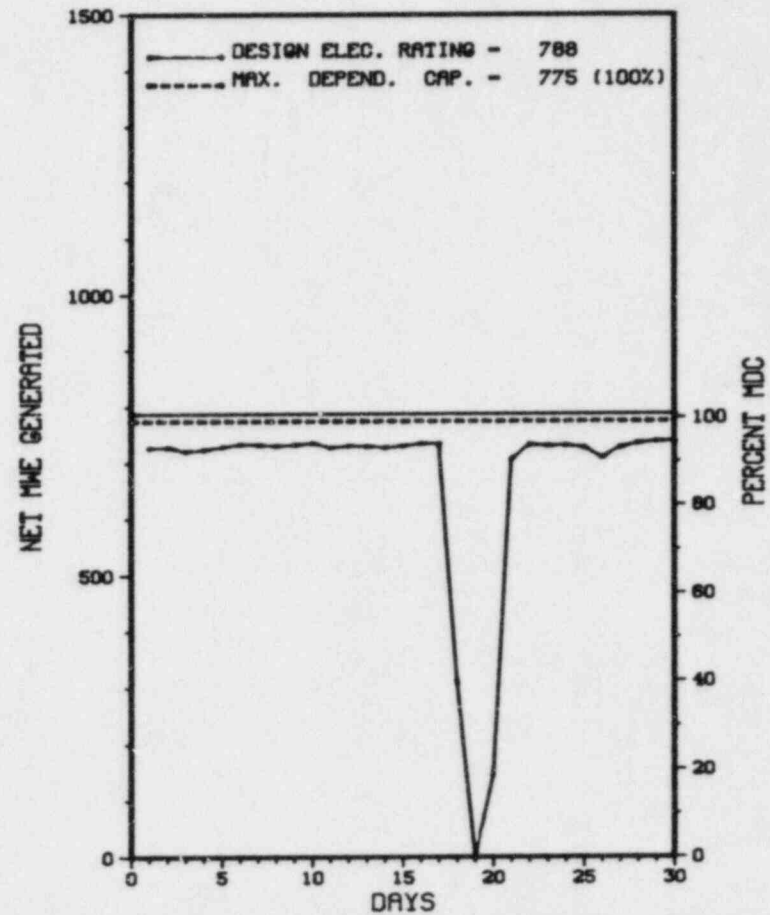
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>100,103.0</u>
13. Hours Reactor Critical	<u>678.3</u>	<u>5,765.9</u>	<u>64,336.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>23.8</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>670.7</u>	<u>5,702.3</u>	<u>63,278.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,634,208</u>	<u>13,530,672</u>	<u>148,246,544</u>
18. Gross Elec Ener (MWH)	<u>510,765</u>	<u>4,296,550</u>	<u>48,086,409</u>
19. Net Elec Ener (MWH)	<u>484,061</u>	<u>4,070,622</u>	<u>45,577,682</u>
20. Unit Service Factor	<u>93.2</u>	<u>86.7</u>	<u>63.2</u>
21. Unit Avail Factor	<u>93.2</u>	<u>86.7</u>	<u>63.2</u>
22. Unit Cap Factor (MDC Net)	<u>86.7</u>	<u>79.9</u>	<u>58.7</u>
23. Unit Cap Factor (DER Net)	<u>85.3</u>	<u>78.6</u>	<u>57.8</u>
24. Unit Forced Outage Rate	<u>6.8</u>	<u>8.3</u>	<u>13.7</u>
25. Forced Outage Hours	<u>49.3</u>	<u>516.2</u>	<u>7,342.8</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>			

* SURRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-24	09/18/84	F	49.3	A	1				UNIT WAS TAKEN OFF THE LINE TO REPAIR A PIPE LEAK ON LINE COMING FROM "A" MSR TO THE HP DRAIN TANK. SEVERAL ELBOWS AND SECTIONS OF PIPE WERE REPLACED ON THIS LINE PRIOR TO STARTING UNIT BACK UP.

* SUMMARY *

SURRY 2 INCURRED 1 OUTAGE IN SEPTEMBER AS DESCRIBED ABOVE.

Type	Reason	Method	System & Component
F-Force	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		

* SURRY 2 *

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

Report Period SEP 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

+ NO INSPECTIONS CONDUCTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

1. Docket: 50-387 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>11,544.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,615.4</u>	<u>8,460.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>209.6</u>	<u>366.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,490.7</u>	<u>8,259.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,206,860</u>	<u>13,678,826</u>	<u>24,928,597</u>
18. Gross Elec Ener (MWH)	<u>716,120</u>	<u>4,453,730</u>	<u>8,120,280</u>
19. Net Elec Ener (MWH)	<u>689,988</u>	<u>4,288,825</u>	<u>7,825,198</u>
20. Unit Service Factor	<u>100.0</u>	<u>68.3</u>	<u>71.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>68.3</u>	<u>71.5</u>
22. Unit Cap Factor (MDC Net)	<u>92.9</u>	<u>63.2</u>	<u>65.7</u>
23. Unit Cap Factor (DER Net)	<u>90.0</u>	<u>61.2</u>	<u>63.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.6</u>	<u>13.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>828.8</u>	<u>1,337.3</u>

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

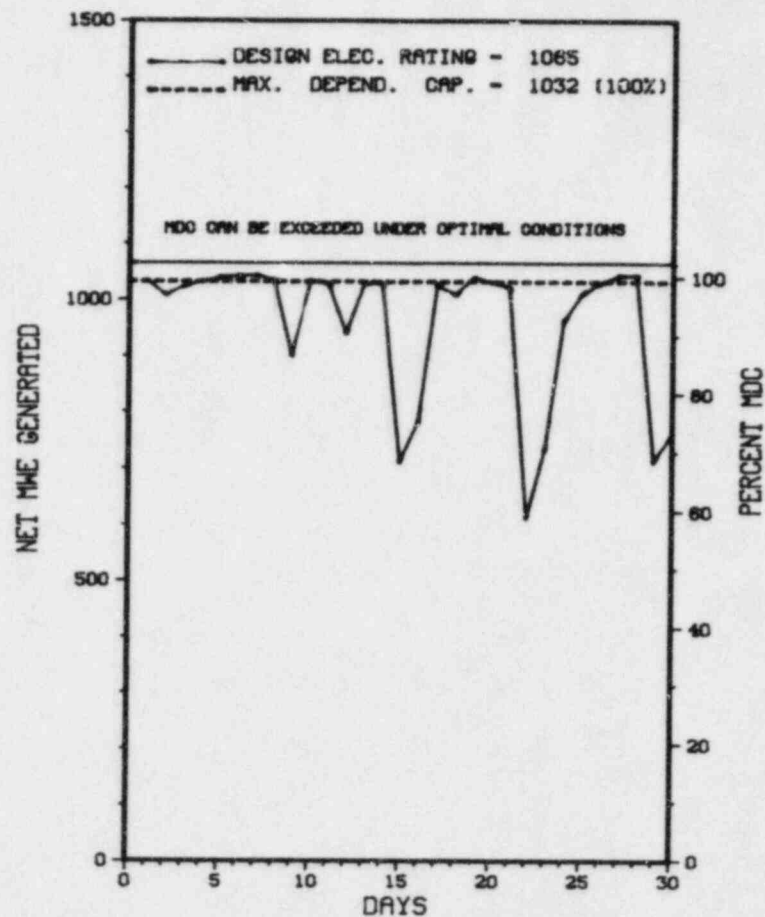
REFUELING OUTAGE; FEBRUARY 9, 1985; 15 WEEKS.

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

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	09/15/84	S	0.0	H	5		RC	FUELXX	SCHEDULED POWER REDUCTION TO OPTIMIZE FUEL USE UNTIL REFUELING OUTAGE.
12	09/22/84	S	0.0	H	5		RC	FUELXX	SCHEDULED POWER REDUCTION TO OPTIMIZE FUEL USE UNTIL REFUELING OUTAGE. REPLACEMENT OF REACTOR RECIRCULATION PUMP MOTOR-GENERATOR SET BRUSHES WAS ALSO ACCOMPLISHED.
13	09/29/84	S	0.0	H	5		RC	FUELXX	SCHEDULED POWER REDUCTION TO OPTIMIZE FUEL USE UNTIL REFUELING OUTAGE.

 * SUMMARY *

 SUSQUEHANNA 1 OPERATED ROUTINELY IN SEPTEMBER.

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

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period SEP 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...NPF-14, 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 SEP 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
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NO INPUT PROVIDED.

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1. Docket: 50-388 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 20.0

3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759

4. Licensed Thermal Power (MWt): 3293

5. Nameplate Rating (Gross MWe): 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1065

8. Maximum Dependable Capacity (Net MWe): 1065

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: _____

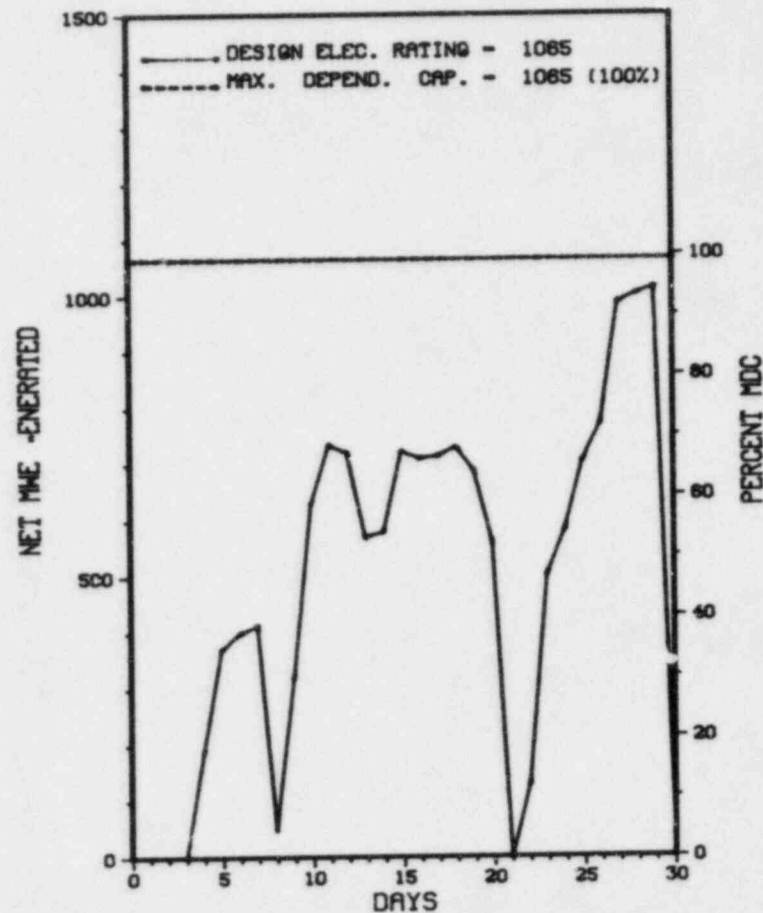
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>2,147.0</u>	<u>2,147.0</u>
13. Hours Reactor Critical	<u>612.8</u>	<u>1,653.4</u>	<u>1,653.4</u>
14. Rx Reserve Shtdwn Hrs	<u>107.2</u>	<u>449.6</u>	<u>449.6</u>
15. Hrs Generator On-Line	<u>567.4</u>	<u>1,333.7</u>	<u>1,333.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>142.4</u>	<u>142.4</u>
17. Gross Therm Ener (MWH)	<u>1,182,556</u>	<u>2,127,542</u>	<u>2,127,542</u>
18. Gross Elec Ener (MWH)	<u>374,820</u>	<u>629,070</u>	<u>629,070</u>
19. Net Elec Ener (MWH)	<u>356,012</u>	<u>587,463</u>	<u>587,463</u>
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	<u>115.3</u>	<u>435.8</u>	<u>435.8</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>PRE-COMMERCIAL, OCTOBER 27, 1984, 10 WEEKS.</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>10/02/84</u>		

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/28/84	F	72.2	A	4	84-017	HA	VALVEX	REACTOR SCRAM FOLLOWING TURBINE TRIP ON MOISTURE SEPARATOR DRAIN TANK HIGH LEVEL. CAUSE FOR HIGH LEVEL WAS MALFUNCTIONING DRAIN VALVE ON PIPING FROM HIGH PRESSURE TURBINE EXHAUST TO MOISTURE SEPARATOR.
10	09/08/84	F	20.4	A	3	84-018	HA	INSTRU	REACTOR SCRAMMED AS A RESULT OF A TURBINE CONTROL VALVE FAST CLOSURE SIGNAL.
11	09/13/84	F	0.0	B	5		CB	INSTRU	POWER REDUCTION FOR REACTOR RECIRCULATION SYSTEM TROUBLESHOOTING.
12	09/20/84	S	37.3	B	3		ZZ	ZZZZZ	REACTOR SCRAM OCCURRED AS PART OF SCHEDULED STARTUP TESTING.
13	09/30/84	F	22.7	H	3	84-021			REACTOR SCRAM DUE TO TURBINE TRIP ON HIGH MOISTURE SEPARATOR DRAIN TANK LEVEL.

 * SUMMARY *

 SUSQUEHANNA 2 CONTINUES IN POWER ASCENSION AND TESTING.

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		

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period SEP 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...MAY 8, 1984
DATE ELEC ENER 1ST GENER...JULY 3, 1984
DATE COMMERCIAL OPERATE...*****
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.....L. PLISCO
LICENSING PROJ MANAGER....R. PERCH
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....

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 SEP 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)

* SUSQUEHANNA 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			
=====			

1. Docket: 50-289 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>88,368.0</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>35.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>35.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>34.5*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>32.9</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>61.5</u>
25. Forced Outage Hours	<u>720.0</u>	<u>6,575.0</u>	<u>49,700.5</u>

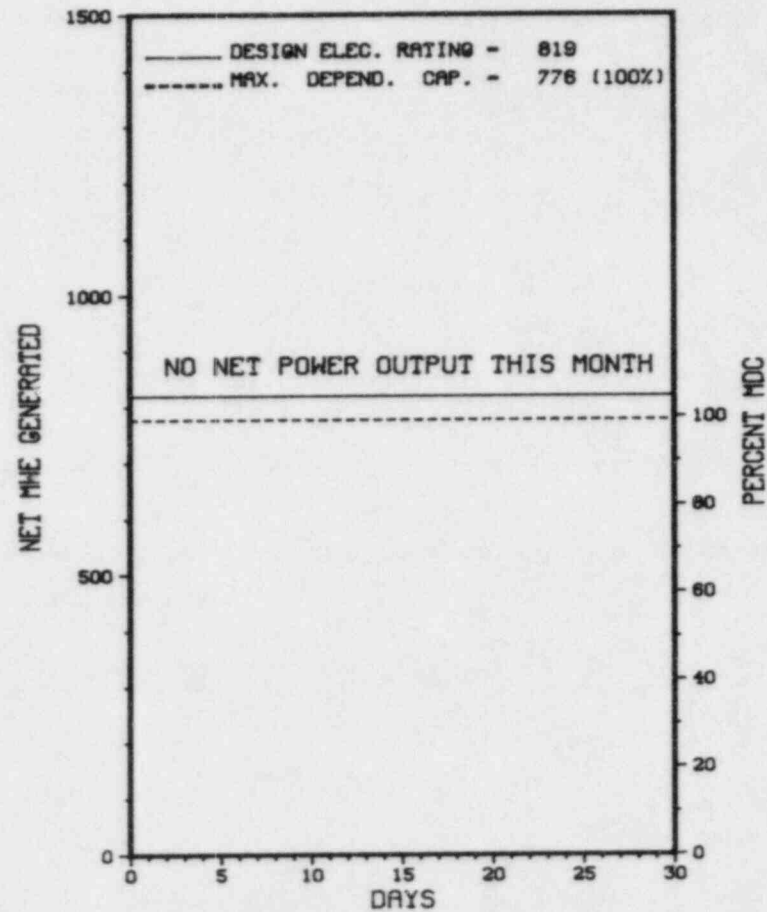
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* T H R E E M I L E I S L A N D 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

T H R E E M I L E I S L A N D 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 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	720.0	D	4		ZZ ZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

* SUMMARY *

THREE MILE ISLAND 1 REMAINS SHUT DOWN FOLLOWING THE ACCIDENT AT UNIT 2.

Type	Reason	Method	System & Component	
F-Forced	A-Equip Failure	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)

* THREE MILE ISLAND 1 *

FACILITY DATA

Report Period SEP 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 SEP 1984

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

* THREE MILE ISLAND 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

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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: 50-344 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: G. G. BAIR (503) 556-3713 X234

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

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

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

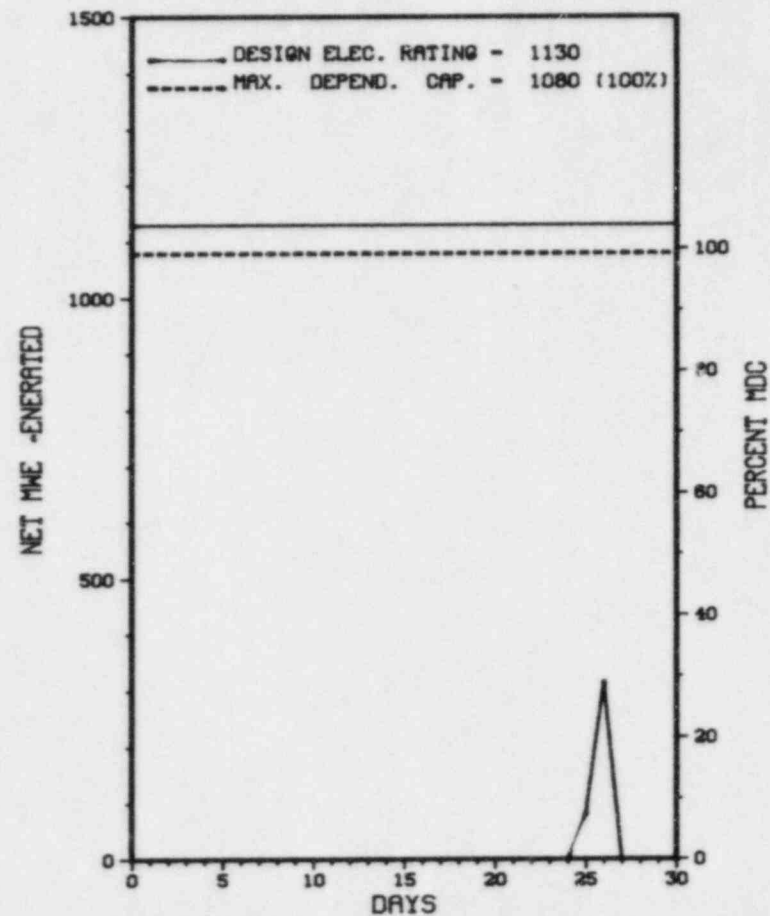
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>70,847.0</u>
13. Hours Reactor Critical	<u>90.4</u>	<u>2,884.0</u>	<u>41,734.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>35.3</u>	<u>2,811.5</u>	<u>40,365.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>44,159</u>	<u>9,155,905</u>	<u>127,719,758</u>
18. Gross Elec Ener (MWH)	<u>11,349</u>	<u>2,951,664</u>	<u>41,527,155</u>
19. Net Elec Ener (MWH)	<u>-3,126</u>	<u>2,804,999</u>	<u>39,219,025</u>
20. Unit Service Factor	<u>4.9</u>	<u>42.8</u>	<u>57.0</u>
21. Unit Avail Factor	<u>4.9</u>	<u>42.8</u>	<u>61.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>39.5</u>	<u>51.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>37.8</u>	<u>49.0</u>
24. Unit Forced Outage Rate	<u>88.0</u>	<u>9.9</u>	<u>17.6</u>
25. Forced Outage Hours	<u>259.8</u>	<u>310.1</u>	<u>8,611.9</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>			

* TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-07	04/27/84	S	416.3	C	3	84-06	TA	ZZZZZZ	FINISHED ANNUAL REFUELING/MAINTENANCE OUTAGE WHICH BEGAN AT 1827 ON APRIL 27.
84-08	09/20/84	F	163.3	G	3	84-16	SH	PUMPXX	REACTOR TRIP ON INTERMEDIATE RANGE HIGH FLUX DUE TO OPERATOR FAILURE TO BLOCK. EDG AND DIESEL AFP FAILED TO AUTO START ON SAFETY INJECTION FROM HIGH STEAM FLOW WITH LOW-LOW TAVG. MANAGEMENT HOLD ON STARTUP (SEE SUMMARY).
84-09	09/25/84	S	8.6	B	9				POWER REDUCED BELOW 10% AND TURBINE TRIPPED FOR STARTUP TESTING. REACTOR KEPT CRITICAL LESS THAN 10%.
84-10	09/26/84	F	96.5	A	3	84-17	CH	INSTRU	PRESSURE TRANSMITTER ON MFP SUCTION FAILED LOW; POWER REDUCED AND TURBINE TRIPPED. REACTOR TRIP ON LOW-LOW STEAM GENERATOR LEVEL. ONE STEAM LINE SAFETY VALVE STUCK OPEN. TRANSMITTER REPLACED AND SAFETY VALVE RESET.

 * SUMMARY *

 TROJAN COMPLETED REFUELING ON SEPTEMBER 25TH AND EXPERIENCED 3 ADDITIONAL SHUTDOWNS DURING THE REPORTING PERIOD.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	3-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 SEP 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/ENGINEERBECHTEL
NUC STEAM S/F SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....G. JOHNSTON
LICENSING PROJ MANAGER.....C. TRAMMELL
DOCKET NUMBER.....50-344
LICENSE & DATE ISSUANCE...NPF-1, NOVEMBER 21, 1975
PUBLIC DOCUMENT ROOM.....MULTNOMAH COUNTY LIBRARY
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97205

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

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 13-17, 1984 (REPORT NO. 50-344/84-20) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE PROCEDURES PROGRAM, UNRESOLVED ITEMS RELATED TO REACTOR UPFLOW MODIFICATION AND FUSE SEPARATION ON SAFETY RELATED SYSTEMS, AND ON-SITE PLANT MODIFICATION PROGRAM. THE INSPECTION INVOLVED 66 INSPECTOR-HOURS ONSITE AND TWO INSPECTOR-HOURS IN-OFFICE.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 7 - SEPTEMBER 30, 1984 (REPORT NO. 50-344/84-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 28 - NOVEMBER 1, 1984 (REPORT NO. 50-344/84-23) REPORT CANCELLED. + INSPECTION ON AUGUST 27-31, 1984 (REPORT NO. 50-344/84-24) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE PLANT TEST AND EXPERIMENTS PROGRAM, ANNUAL REVIEW OF THE QUALITY ASSURANCE PROGRAM, AND INSPECTION OF THE SURVEILLANCE PROCEDURES AND RECORDS PROGRAM. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 17-21, 1984 (REPORT NO. 50-344/84-25) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE CALIBRATION PROGRAM OF SAFETY RELATED SYSTEMS AND FUNCTIONS, AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

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1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: M. 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>720.0</u>	<u>6,575.0</u>	<u>103,640.6</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,613.3</u>	<u>73,638.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,503.8</u>	<u>71,426.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,562,568</u>	<u>11,812,047</u>	<u>147,300,639</u>
18. Gross Elec Ener (MWH)	<u>504,485</u>	<u>3,798,785</u>	<u>47,009,350</u>
19. Net Elec Ener (MWH)	<u>480,213</u>	<u>3,600,637</u>	<u>44,513,654</u>
20. Unit Service Factor	<u>100.0</u>	<u>83.7</u>	<u>68.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>83.7</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>82.2</u>	<u>66.3*</u>
23. Unit Cap Factor (DER Net)	<u>96.2</u>	<u>79.0</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.4</u>	<u>5.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>502.8</u>	<u>3,682.9</u>

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

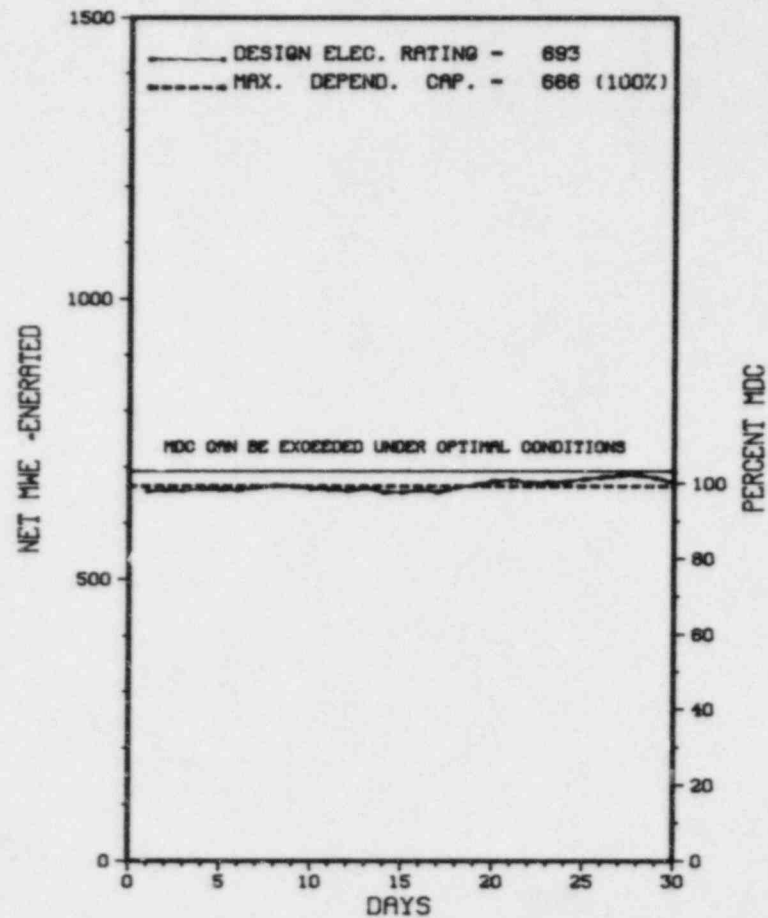
NONE

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

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* TURKEY POINT 3 *

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

* SUMMARY *

TURKEY POINT 3 EXPERIENCED NO SHUTDOWNS OR POWER REDUCTIONS IN SEPTEMBER.

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)

* TURKEY POINT 3 *

FACILITY DATA

Report Period SEP 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 METHL ^...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.....T. PEEBLES
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

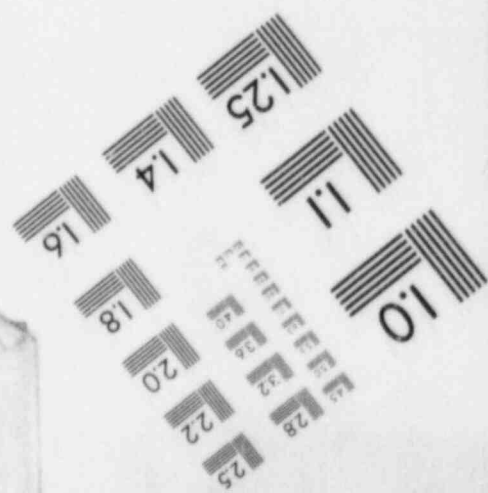
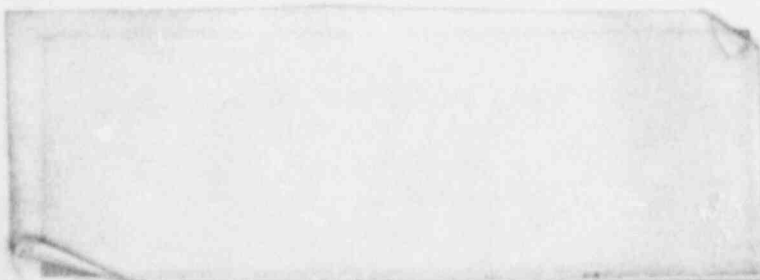
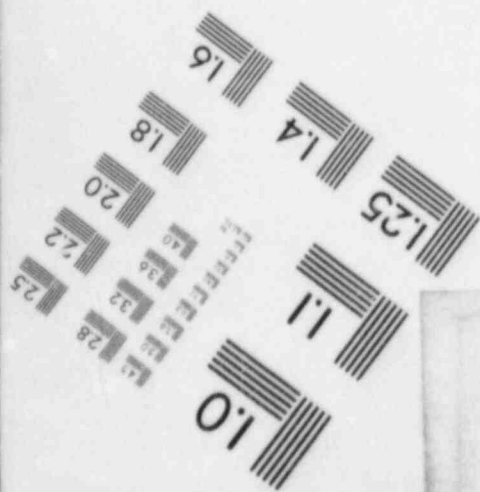
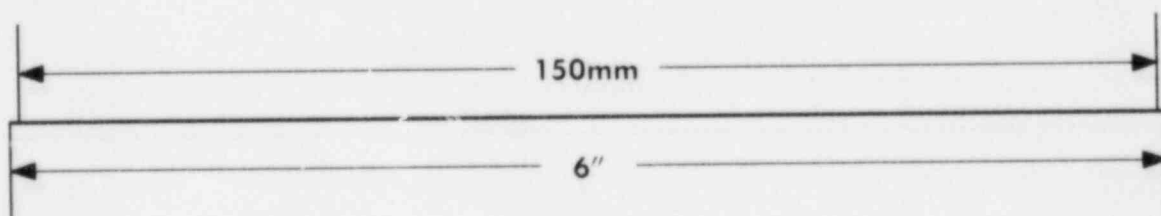
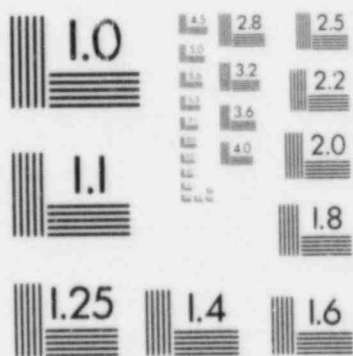
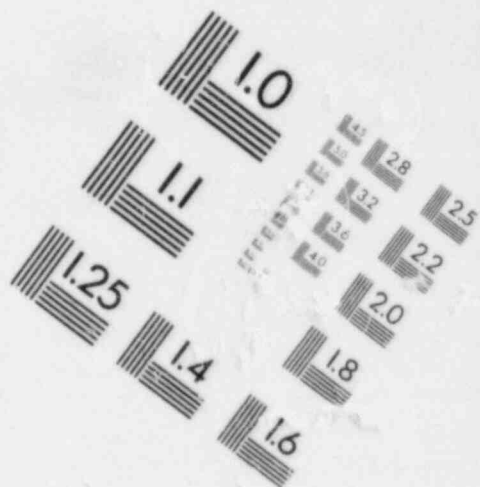
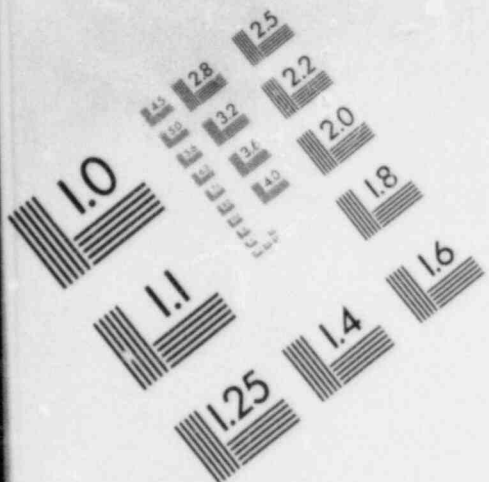
+ INSPECTION AUGUST 14-17 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 31 INSPECTOR-HOURS ON SITE IN THE AREAS OF REACTOR COOLANT SYSTEM LEAKAGE, FOLLOW-UP OF LICENSEE EVENT REPORT, AND FOLLOWUP OF INSPECTOR IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.8.5 - AFW PUMP AVAILABILITY.
FAILURE TO IMPLEMENT MANAGEMENT CONTROLS. TECHNICAL SPECIFICATION 3.8.5 - AFW PUMP AVAILABILITY.
FAILURE TO IMPLEMENT MANAGEMENT CONTROLS.
(8404 3)

OTHER ITEMS

IMAGE EVALUATION
TEST TARGET (MT-3)



1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>97,368.0</u>
13. Hours Reactor Critical	<u>658.5</u>	<u>3,806.7</u>	<u>68,445.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>655.3</u>	<u>3,639.9</u>	<u>66,108.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,369,268</u>	<u>7,914,159</u>	<u>139,669,900</u>
18. Gross Elec Ener (MWH)	<u>440,655</u>	<u>2,462,485</u>	<u>44,383,847</u>
19. Net Elec Ener (MWH)	<u>417,936</u>	<u>2,320,533</u>	<u>42,027,641</u>
20. Unit Service Factor	<u>91.0</u>	<u>55.4</u>	<u>67.9</u>
21. Unit Avail Factor	<u>91.0</u>	<u>55.4</u>	<u>67.9</u>
22. Unit Cap Factor (MDC Net)	<u>87.2</u>	<u>53.0</u>	<u>66.6*</u>
23. Unit Cap Factor (DER Net)	<u>83.8</u>	<u>50.9</u>	<u>62.3</u>
24. Unit Forced Outage Rate	<u>1.9</u>	<u>18.7</u>	<u>5.4</u>
25. Forced Outage Hours	<u>12.9</u>	<u>837.2</u>	<u>3,379.0</u>

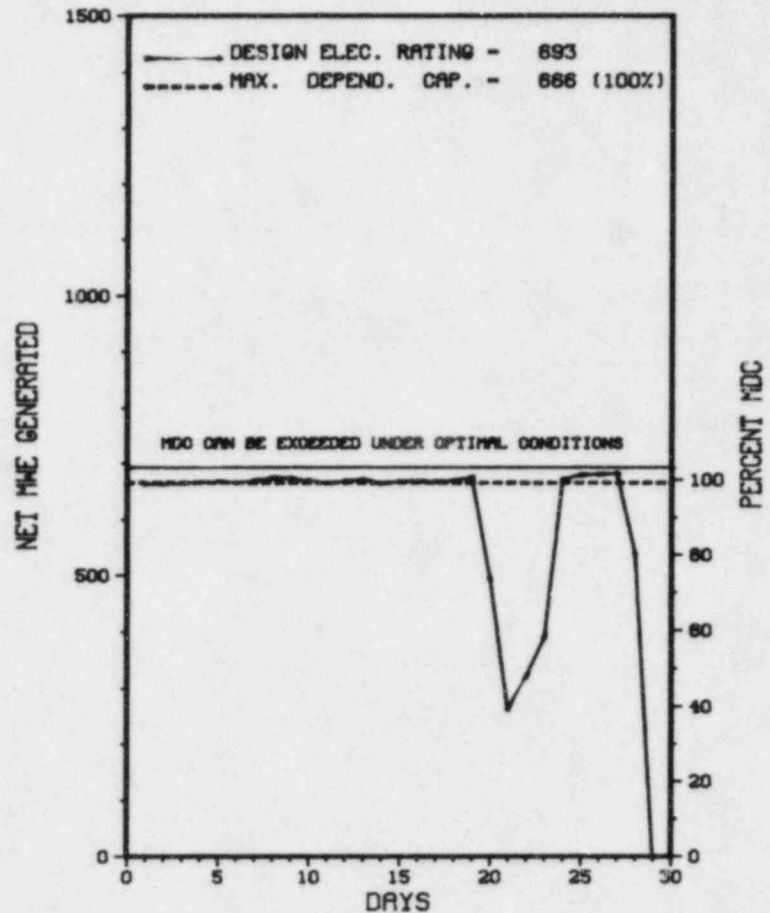
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
20	09/20/84	F	12.9	A	3	251-84-21	EB	GENERA	REACTOR TRIP AS A RESULT OF STEAM FLOWFEED FLOW MISMATCH AND LOW STEAM GENERATOR LEVEL FOLLOWING A TURBINE RUNBACK. THE RUNBACK RESULTED FROM A BLOWN FUSE IN AN INVERTER, WHICH GAVE A DROPPED ROD SIGNAL. THE FUSE WAS REPLACED AND THE UNIT RETURNED TO POWER.
21	09/28/84	S	51.8	B	1		CB	VALVEX	UNIT 4 REMOVED FROM POWER OPERATION TO REPAIR LEAKAGE TO THE PRESSURIZER RELIEF TANK.

 * SUMMARY *

 TURKEY POINT 4 OPERATED ROUTINELY IN SEPTEMBER.

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 *

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

Report Period SEP 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 ENR 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.....T. PEEBLES
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 AUGUST 14-17 (84-27): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 31 INSPECTOR-HOURS ON SITE IN THE AREAS OF REACTOR COOLANT SYSTEM LEAKAGE, FOLLOW-UP OF LICENSEE EVENT REPORT, AND FOLLOWUP OF INSPECTOR IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-271 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>105,433.8</u>
13. Hours Reactor Critical	<u>463.0</u>	<u>4,929.1</u>	<u>84,627.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>435.8</u>	<u>4,761.8</u>	<u>82,254.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>588,189</u>	<u>7,054,496</u>	<u>119,215,168</u>
18. Gross Elec Ener (MWH)	<u>190,453</u>	<u>2,368,314</u>	<u>39,661,392</u>
19. Net Elec Ener (MWH)	<u>177,944</u>	<u>2,259,680</u>	<u>37,624,696</u>
20. Unit Service Factor	<u>60.5</u>	<u>72.4</u>	<u>78.0</u>
21. Unit Avail Factor	<u>60.5</u>	<u>72.4</u>	<u>78.0</u>
22. Unit Cap Factor (MDC Net)	<u>49.0</u>	<u>68.2</u>	<u>70.8</u>
23. Unit Cap Factor (DER Net)	<u>48.1</u>	<u>66.9</u>	<u>69.4</u>
24. Unit Forced Outage Rate	<u>39.5</u>	<u>9.9</u>	<u>7.5</u>
25. Forced Outage Hours	<u>284.2</u>	<u>521.6</u>	<u>5,412.8</u>

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

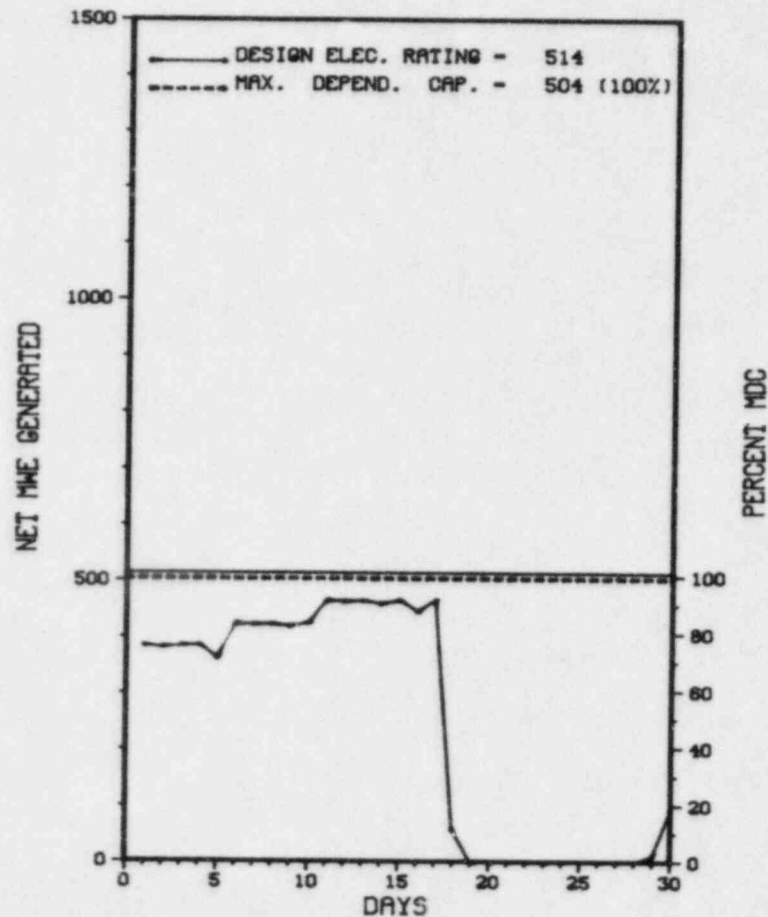
NONE

27. If Currently Shutdown Estimated Startup Date: 10/01/84

 * V E R M O N T Y A N K E E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-15	09/05/84	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT + OTHER SURVEILLANCE.
84-16	09/18/84	F	275.2	H	1	84-21	RA	XXXXXX	PLANT SHUTDOWN TO INVESTIGATE AND CORRECT STEAM CARRY-UNDER CAUSED BY UNTIGHTENED MOISTURE SEPARATOR IN THE REACTOR VESSEL. SEPARATOR WAS RE-INSTALLED AND CONTROLLING PROCEDURES CHANGED TO PREVENT RE-OCCURRENCE.
84-17	09/30/84	F	9.0	A	1		CD	VALVOP	PLANT SHUTDOWN TO INVESTIGATE AND REPAIR SLOW MSIV CLOSING TIME CAUSED BY GALLED GUIDE RODS ON VALVE ACTUATOR. THE ACTUATOR WAS REBUILT AND RETURNED TO SERVICE.

 * SUMMARY *

 VERMONT YANKEE EXPERIENCED AN OUTAGE FOR STEAM CARRY-UNDER IN SEPTEMBER.

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 SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT
COUNTY.....WINDHAM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 24, 1972
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972
DATE COMMERCIAL OPERATE...NOVEMBER 30, 1972
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CONNECTICUT RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER
CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. RAYMOND
LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271
LICENSE & DATE ISSUANCE...DPR-28, FEBRUARY 28, 1973
PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 1984

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

* VERMONT YANKEE 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

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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: 50-397 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1100

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1155

8. Maximum Dependable Capacity (Net MWe): 1100

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>720.0</u>	<u>3,026.2</u>	<u>3,026.2</u>
13. Hours Reactor Critical	<u>552.5</u>	<u>1,670.3</u>	<u>1,670.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>521.1</u>	<u>1,184.3</u>	<u>1,184.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,041,120</u>	<u>1,885,312</u>	<u>1,885,312</u>
18. Gross Elec Ener (MWH)	<u>327,150</u>	<u>526,613</u>	<u>526,613</u>
19. Net Elec Ener (MWH)	<u>306,634</u>	<u>485,244</u>	<u>485,244</u>
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	<u>198.9</u>	<u>1,744.6</u>	<u>1,744.6</u>

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

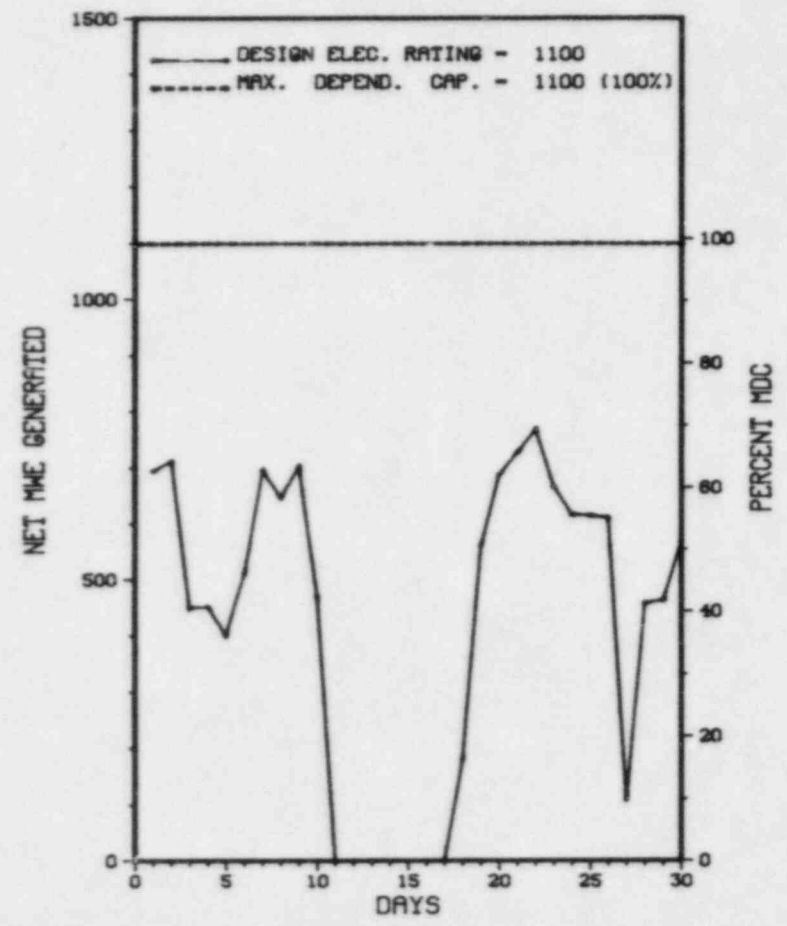
MAINTENANCE M2 OUTAGE 10/22/84, FOR 6 DAYS.

27. If Currently Shutdown Estimated Startur Date: 10/04/84

 * WASHINGTON NUCLEAR 2 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-19	09/10/84	F	180.8	B	3	84-095	IA	INSTRU	A TEST SWITCH WHICH WAS INTENDED FOR A TEST TRIP OF BOTH RRC PUMPS WAS INADVERTENTLY CONNECTED TO THE RPS LOGIC. WHEN CLOSED IN, IT RESULTED IN THE FAILURE OF POWER FUSES TO ALL FOUR RPS CHANNELS AND A RESULTANT SCRAM. THE CAUSE OF THE PROBLEM WAS DETERMINED WHILE THE PLANT WAS PROCEEDING TO COLD SHUTDOWN. THE FUSES WERE REPLACED AND THE PROCEDURE SUBSEQUENTLY PERFORMED.
84-20	09/27/84	F	18.1	B	1		CB	INSTRU	PLANT WAS SHUTDOWN DUE TO FAILURE OF THE LINEAR VARIABLE DIFFERENTIAL TRANSFORMER (LVDT) FOR RRC-V-60B. THIS FAILURE WAS A RESULT OF THE DIFFERENTIAL TRANSFORMER CORE BECOMING DETACHED FROM THE ACTUATING ROD. THE LVDT WAS REPLACED WITH ANOTHER OF IMPROVED DESIGN.

 * SUMMARY *

 WNP-2 CONTINUES IN POWER ASCENSION AND TESTING.

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)

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON
COUNTY.....BENTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR... 12 MI. NW OF
RICHLAND, WASH.
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 19, 1984
DATE ELEC ENER 1ST GENER...MAY 27, 1984
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MECHANICAL TOWERS
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM
CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. FEIL
LICENSING PROJ MANAGER.....R. AULUCK
DOCKET NUMBER.....50-397
LICENSE & DATE ISSUANCE...NPF-21, APRIL 13, 1984
PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

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

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 4-31, 1984 (REPORT NO. 50-397/84-22) AREAS INSPECTED: ROUTINE, MONTHLY INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, POWER ASCENSION TEST PROGRAM, LICENSEE EVENT REPORTS, SPECIAL INSPECTION TOPICS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 176 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 27-31, 1984 (REPORT NO. 50-397/84-23) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTIONS OF PLANT MAINTENANCE ACTIVITY LEVEL, FOLLOWUP OF FOUR TMI (NUREG-0737) ITEMS AND OBSERVATION OF CONTROL ROOM ACTIVITIES. THE INSPECTION INVOLVED 65 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 20-24, 1984 (REPORT NO. 50-397/84-24) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTION OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS, GENERAL EMPLOYEE TRAINING, NON-LICENSED TRAINING, QUALIFICATION AND CONTROL OF VENDOR SERVICE CONTRACT PERSONNEL, AND FOLLOWUP OF TMI (NUREG-0737) ITEMS. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period SEP 1984

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

* WASHINGTON NUCLEAR 2 *

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 10-13, 1984 (REPORT NO. 50-397/84-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 1-30, 1984 (REPORT NO. 50-397/84-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION REPORT NO. 50-397/84-27 REPORT CANCELLED.
- + INSPECTION ON OCTOBER 9-12, 1984 (REPORT NO. 50-397/84-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 10-14, 1984 (REPORT NO. 50-397/84-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 11-19, 1984 (REPORT NO. 50-397/84-30) 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:

NONE

PLANT STATUS:

MODE 4

LAST IE SITE INSPECTION DATE: 10/9-12/84+

INSPECTION REPORT NO: 50-397/84-28+

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NUMBER   DATE OF   DATE OF   SUBJECT
EVENT    REPORT
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84-01-L0 12-25-83 01-09-84  ROD BLOCK FUEL MOVEMENT INTERLOCK LOST
84-02-L0 01-11-84 02-10-84  CONTROL ROOM EMERGENCY FILTRATION STARTED AS A RESULT OF ELECTRICAL SPIKES
84-18-L0 03-06-84 03-28-84  ESF AIR SUPPLY ACTIVATED DUE TO PROCEDURAL ERROR
84-19-84 03-08-84 03-28-84  INADVERTANT START OF ESF CONTROL ROOM AIR SYSTEM FROM PERSONNEL ERROR
84-20-L0 03-29-84 04-03-84  LOSS OF ACCESS CONTROL DUE TO -- MULTIPLEXER FAILURES PROMPTLY COMPENSATED W/MANNED POSTS
84-43-L0 05-19-84 06-14-84  FAILURE TO RESET HALF SCRAM CAUSED FEED PUMP RUNBACK AND LOW RX LEVEL SCRAM
84-44-L0 05-13-84 06-12-84  HIGH PRESSURE RX TRIP FROM DEH SYSTEM
84-45-L0 05-18-84 06-14-84  MSIU CLOSURE DUE TO LOW DEH PRESSURE
84-46-L0 05-22-84 06-14-84  SPIKE INITIATES CONTROL ROOM ESF AIR SYSTEM
84-47-L0 05-25-84 06-15-84  PENETRATION FIRE PROTECTION SEAL NOT INSTALLED
84-48-L0 05-30-84 06-25-84  FUSES WERE INAPPROPRIATELY APPLIED IN 250 VOLT DC SYSTEM
84-49-L0 05-22-84 06-20-84  ELECTRICAL SPIKE INITIATED CONTROL ROOM AIR FILTRATION
84-50-L0 05-26-84 06-22-84  ESF CONTROL ROOM FANS ACTIVATED DUE TO ELECTRICAL SPIKE
84-51-L0 05-28-84 06-22-84  LOSS OF FEEDPUMPS CAUSED RX SCRAM DUE TO LOW RX LEVEL
84-52-L0 05-28-84 06-22-84  ESF CONTROL ROOM FILTER ACTIVATED DUE TO ELECTRICAL SPIKE
84-53-L0 05-28-84 06-22-84  ESF AIR FILTRATION SYSTEM ACTIVATES FROM ELECTRICAL SPIKE
84-54-L0 05-29-84 06-25-84  TURBINE FIRST STAGE PRESSURE SPIKE CAUSED RX SCRAM AT LESS THAN 30 PERCENT POWER
84-55-L0 05-28-84 06-22-84  HIGH DELTA PRESSURE ISOLATED RCIC AT NO-FLOW CONDITIONS
84-56-L0 06-01-84 06-28-84  DEH FAILURE CAUSED BPU'S TO CLOSE AND SCRAM RX ON HIGH PRESSURE
84-57-L0 06-05-84 06-28-84  HIGH CHLORINE SIGNAL-END OF SENSOR TAPE
84-58-L0 06-07-84 06-28-84  TECH INADVERTENTLY INITIATED CONTROL ROOM AIR FILTRATION
84-61-L0 06-14-84 07-06-84  FLOOR DRAIN VIOLATED FIRE BARRIER
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Report Period SEP 1984

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

* WASHINGTON NUCLEAR 2 *

84-63-L0	06-17-84	07-12-84	CONTROL ROOM ACTIVATION OF AIR FILTRATION DUE TO ELECTRICAL SPIKE
84-64-L0	06-23-84	07-12-84	BAD CONNECTION ON BREAKER CAUSES RP POWER DISTRIBUTION PANEL TRIP AND 1/2 SCRAM
84-65-L0	06-23-84	07-12-84	RHR PUMP TO MOTOR COUPLING DEGRADATION CAUSES INOP RHR PUMP
84-66-L0	06-20-84	07-12-84	CONTROL ROOM AIR FILTRATION ACTIVATED
84-67-L0	06-20-84	07-12-84	CONTROL ROOM AIR FILTRATION ACTIVATION DUE TO ELECTRICAL SPIKE
84-68-L0	06-28-84	07-19-84	CONTROL ROOM AIR FILTRATION ACTIVATION DUE TO ELECTRICAL SPIKE
84-69-L0	06-28-84	07-19-84	CONTROL ROOM FILTRATION ACTIVATED DUE TO ELECTRICAL SPIKE
84-70-L0	06-30-84	07-19-84	SURVEILLANCE OF DG WITHOUT PRE-WARM
84-71-L0	07-16-84	07-26-84	INADVERTENT CONTAINMENT ISOLATION OF HALF BOP
84-72-L0	07-05-84	07-26-84	RWCY(CLEANUP) ISOLATION FROM FALSE HIGH FLOW SIGNALS
84-74-L0	07-12-84	08-02-84	DISCHARGE OF LIQUID WASTE DONE IMPROPERLY
84-75-L0	07-09-84	08-02-84	EMERGENCY DIESEL GENERATOR SHAFT INSULATOR DESTROYED CAUSING VIBRATION
84-76-L0	07-28-84	08-08-84	FIRE WATCH NOT TOURING DURING BOMB THREAT
84-77-L0	07-20-84	08-08-84	CONTROL ROOM AIR FILTER SYSTEM ACTIVATED DUE TO ELECTRICAL SPIKE

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1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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): 170

8. Maximum Dependable Capacity (Net MWe): 167

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>720.0</u>	<u>6,575.0</u>	<u>209,276.0</u>
13. Hours Reactor Critical	<u>694.2</u>	<u>4,259.4</u>	<u>165,783.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>688.0</u>	<u>4,149.5</u>	<u>161,061.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>390,298</u>	<u>2,367,733</u>	<u>87,251,327</u>
18. Gross Elec Ener (MWH)	<u>117,493</u>	<u>722,723</u>	<u>26,445,589</u>
19. Net Elec Ener (MWH)	<u>109,875</u>	<u>676,571</u>	<u>24,744,960</u>
20. Unit Service Factor	<u>95.6</u>	<u>63.1</u>	<u>77.0</u>
21. Unit Avail Factor	<u>95.6</u>	<u>63.1</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>91.4</u>	<u>61.5</u>	<u>72.8*</u>
23. Unit Cap Factor (DER Net)	<u>87.2</u>	<u>58.8</u>	<u>69.4*</u>
24. Unit Forced Outage Rate	<u>4.4</u>	<u>15.4</u>	<u>5.5</u>
25. Forced Outage Hours	<u>32.0</u>	<u>753.0</u>	<u>8,239.4</u>

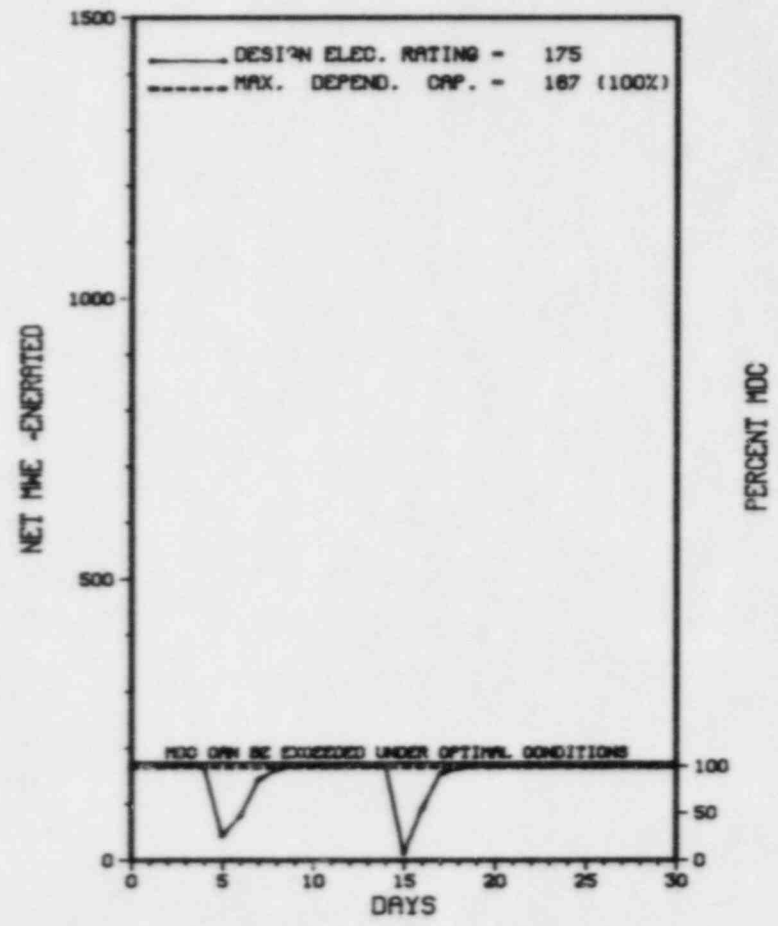
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



SEPTEMBER 1984

* Item calculated with a Weighted Average

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-7	09/05/84	F	15.5	H	2	84-15			LOSS OF Z-126 LINE DUE TO A TREE FALLING ON THE LINE NEAR HARRIMAN STATION.
84-8	09/15/84	F	16.5	A	3	84-16	TL	EXC	LOSS OF FIELD RELAY, STATIC EXCITER "B" PHASE, CAUSING 62-GTX RELAY TO FIRE.

 * SUMMARY *

 YANKEE ROWE OPERATED ROUTINELY IN SEPTEMBER.

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

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period SEP 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE....JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....H. EICHENHOLZ
LICENSING PROJ MANAGER.....P. ERICKSON
DOCKET NUMBER.....50-029
LICENSE & DATE ISSUANCE....DPR-3, DECEMBER 24, 1963
PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 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

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

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1. Docket: 59-295 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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

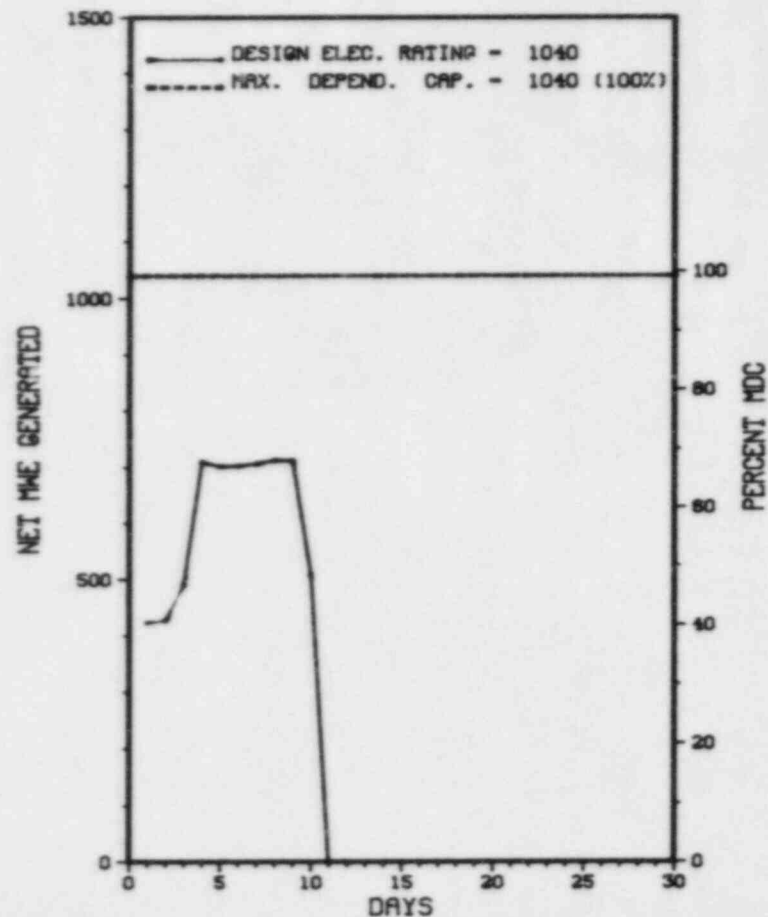
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,575.0</u>	<u>94,247.0</u>
13. Hours Reactor Critical	<u>235.2</u>	<u>4,266.9</u>	<u>66,343.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>234.8</u>	<u>4,031.1</u>	<u>64,499.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>502,151</u>	<u>12,192,059</u>	<u>182,113,542</u>
18. Gross Elec Ener (MWH)	<u>155,490</u>	<u>3,983,844</u>	<u>58,703,723</u>
19. Net Elec Ener (MWH)	<u>140,396</u>	<u>3,804,71</u>	<u>55,708,019</u>
20. Unit Service Factor	<u>32.6</u>	<u>61.3</u>	<u>68.4</u>
21. Unit Avail Factor	<u>32.6</u>	<u>61.3</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>18.7</u>	<u>55.6</u>	<u>56.8</u>
23. Unit Cap Factor (DER Net)	<u>18.7</u>	<u>55.6</u>	<u>56.8</u>
24. Unit Forced Outage Rate	<u>67.4</u>	<u>33.9</u>	<u>14.9</u>
25. Forced Outage Hours	<u>485.2</u>	<u>2,071.4</u>	<u>10,683.4</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

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

 * Z I O N 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ZION 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	09/10/84	F	485.2	A	2	84-029			TURBINE WAS TAKEN OFF LINE DUE TO A TUBE LEAK IN 1B STEAM GENERATOR.

 * SUMMARY *

 ZION 1 WAS TAKEN OFF LINE ON SEPTEMBER 10TH FOR A STEAM GENERATOR TUBE LEAK AND REMAINS SHUT DOWN.

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 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 23-27, (84-10): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; ACTIVATION OF THE EMERGENCY PLAN; 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); PUBLIC INFORMATION PROGRAM; MAINTAINING EMERGENCY PREPAREDNESS; AND LICENSEE AUDITS. THE INSPECTION INVOLVED 130 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (MAINTAINING EMERGENCY PREPAREDNESS). NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE OTHER AREAS INSPECTED.

INSPECTION ON JULY 2 AND AUGUST 1-29, (84-11): SPECIAL, ANNOUNCED INSPECTION BY REGION BASED INSPECTORS OF UNIT 1, 1981 AND 1983 CONTAINMENT INTEGRATED LEAK RATE TESTS (CILRT); WITNESS THE UNIT 1, 1984 CILRT; AND REVIEW UNIT 2, 1980 CILRT. THE INSPECTION INVOLVED 164 INSPECTOR-HOURS ON SITE BY THREE NRC INSPECTORS, INCLUDING 43 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE THREE AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED IN TWO AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO PERFORM A TYPE A TEST IN ACCORDANCE WITH 10 CFR 50, APPENDIX J REQUIREMENTS - PARAGRAPH 2.A; FAILURE TO PERFORM SUPPLEMENTAL TESTS IN ACCORDANCE WITH 10 CFR 50, APPENDIX J REQUIREMENTS - PARAGRAPH 2.B).

INSPECTION ON JUNE 30 - JULY 27, (84-12): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; UNIT 1 SHUTDOWN DUE TO CONTAINMENT LEAK RATE TEST DEFICIENCIES; 10 CFR 21 REPORT ON COMPONENT COOLING WATER SYSTEM; REACTOR TRIP FOLLOWING RTD CALIBRATION; REACTOR TRIP DURING INSTRUMENT CALIBRATION; CONDUCT OF MAINTENANCE ON NUCLEAR INSTRUMENTATION; INADVERTENT RELEASE OF CONTENTS OF 2B GAS DECAY TANK; PLANT STARTUP FROM REFUELING; OPERATIONAL SAFETY; ESF

Report Period SEP 1984

INSPECTION STATUS - (CONTINUED)

* ZION 1 *

INSPECTION SUMMARY

SYSTEM WALKDOWN; MAINTENANCE; SURVEILLANCE; AND LICENSEE EVENT REPORT FOLLOWUP. THIS INSPECTION INVOLVED A TOTAL OF 228 HOURS BY THREE NRC INSPECTORS INCLUDING 71 HOURS ONSITE DURING OFF-SHIFTS. OF THE 13 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 9 AREAS; 6 ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING 4 AREAS (FAILURE TO COMPLY WITH 10 CFR 50 APPENDIX B; FAILURE TO COMPLY WITH ZION TECHNICAL SPECIFICATIONS; FAILURE TO COMPLY WITH 10 CFR 50.73).

INSPECTION ON AUGUST 17, (84-14): ROUTINE, ANNOUNCED INSPECTION OF REACTOR COOLANT SYSTEM LEAK RATE TESTING. THE INSPECTION INVOLVED A TOTAL OF 14 INSPECTOR-HOURS ONSITE AND 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 20-24, (84-16): ROUTINE UNANNOUNCED INSPECTION OF (1) CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING SAMPLE SPLIT AND ONSITE ANALYSIS WITH THE REGION III MOBILE LABORATORY; REVIEW OF LICENSEE'S LABORATORY PRACTICES AND QUALITY CONTROL; AND INTERNAL AUDITS; (2) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) IMPLEMENTATION AND RESULTS; AND (3) REVIEW OF NONCOMPLIANCE AND OPEN ITEMS IDENTIFIED DURING PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 81 INSPECTOR-HOURS ON SITE BY 2 NRC INSPECTORS. NO APPARENT ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) REQUIRES 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 10 CFR 50.47(B) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART. 10 CFR 50.47(B)(14) STATES IN PART THAT PERIODIC EXERCISES ARE (WILL BE) CONDUCTED TO EVALUATE MAJOR PORTIONS OF EMERGENCY RESPONSE CAPABILITIES, PERIODIC DRILLS ARE (WILL BE) CONDUCTED TO DEVELOP AND MAINTAIN KEY SKILLS. SECTION 8.3.2.6 OF THE GENERIC PORTION OF THE GENERATING STATIONS' EMERGENCY PLAN (GSEP) STATES IN PART THAT AN ASSEMBLY AND ACCOUNTABILITY DRILL SHALL BE CONDUCTED ANNUALLY. CONTRARY TO THE ABOVE, THE LICENSEE HAS NOT CONDUCTED AN ANNUAL ASSEMBLY AND ACCOUNTABILITY DRILL SINCE JANUARY 1983.
(8410 5)

TECHNICAL SPECIFICATIONS LCO 3.10.1.A STATES IN PART THAT, "TYPE A, B, AND C TESTS OF THE CONTAINMENT SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF 10 CFR 50, APPENDIX J..." SECTION III.A.3(A) OF 10 CFR 50, APPENDIX J STATES IN PART THAT, "ALL TYPE A TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICAN NATIONAL STANDARD N45.4-1972." SECTION 7.6 OF ANSI N45.5-1972 REQUIRES THAT THE TEST PERIOD BE 24 HOURS UNLESS IT CAN BE DEMONSTRATED TO THE SATISFACTION OF THOSE RESPONSIBLE FOR THE ACCEPTANCE OF THE CONTAINMENT STRUCTURE THAT THE LEAKAGE CAN BE ACCURATELY DETERMINED DURING A SHORTER TEST PERIOD. BY LETTER FROM T. J. RAUSCH, NUCLEAR LICENSING ADMINISTRATOR, TO J. G. KEPPLER, REGION III, REGIONAL ADMINISTRATOR, DATED SEPTEMBER 21, 1982 COMMONWEALTH EDISON COMPANY STATES THAT IT "UNDERSTANDS THAT THE ONLY ACCEPTABLE MEANS OF PERFORMING A LESS THAN 24 HOUR TEST IS TO USE BN-TOP-1." CONTRARY TO THE ABOVE ON DECEMBER 5, 1983 A TYPE A TEST OF LESS THAN 24 HOURS WAS PERFORMED ON ZION UNIT 1 NOT IN ACCORDANCE WITH THE REQUIREMENTS OF BN-TOP-1. TECHNICAL SPECIFICATIONS LCO 3.10.1.A STATES IN PART THAT, "TYPE A, B, AND C TESTS OF THE CONTAINMENT SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF 10 CFR 50, APPENDIX J. SECTION III.A.3(B) OF 10 CFR 50, APPENDIX J, STATES IN PART THAT, "THE ACCURACY OF ANY TYPE A TEST SHALL BE VERIFIED BY A SUPPLEMENTAL TEST ... CONDUCTED FOR SUFFICIENT DURATION TO ESTABLISH ACCURATELY THE CHANGE IN LEAKAGE RATE BETWEEN THE TYPE A AND SUPPLEMENTAL TEST." IT ALSO STATES, "IF RESULTS ARE NOT WITHIN 0.25 LA (OR 0.25 LT) THE REASON SHALL BE DETERMINED, CORRECTIVE ACTION TAKEN AND A SUCCESSFUL SUPPLEMENTAL TEST PERFORMED." CONTRARY TO THE ABOVE, THE LICENSEE: (A) DID NOT ESTABLISH A VALID REASON FOR THE FAILURE OF THE FIRST SUPPLEMENTAL TEST PERFORMED FOLLOWING THE TYPE A TEST OF MARCH 1981 AND FAILED TO PERFORM A SUCCESSFUL SECOND SUPPLEMENTAL TEST OF SUFFICIENT DURATION, WITHOUT THE NEED TO ARBITRARILY POST SELECT THE DESIRED DATA SETS, IN ORDER TO ESTABLISH THE ACCURACY OF THE TYPE A TEST RESULTS; (B) IN DECEMBER 1983, FAILED TO OBTAIN SUPPLEMENTAL TESTS RESULTS WITHIN 0.25 LT, DETERMINE THE REASON FOR THIS FAILURE, TAKE CORRECTIVE ACTION, AND PERFORM A SATISFACTORY SUPPLEMENTAL TEST FOLLOWING THE TYPE A TEST.
(8411 4)

ZION 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: ...6. PREVENTIVE AND CORRECTIVE MAINTENANCE OPERATIONS WHICH COULD HAVE

Report Period SEP 1984

REPORTS FROM LICENSEE

* ZION 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-20	05/14/84	08/15/84	LOSS OF PRESSURE IN GAS DECAY TANK 2B WHILE RELEASING GAS DECAY TANK 1C
84-21	07/18/84	08/16/84	CONTAINMENT INTEGRATED LEAKRATE TEST FOUND UNACCEPTABLE PER 10CFR50 APPENDIX 1
84-22	07/30/84	08/31/84	MISSED SURVEILLANCE OF RADIATION MONITOR 1RTPR09
84-23	08/15/84	09/13/84	FAILURE OF SAFETY RELATED SNUBBERS
84-24	08/21/84	09/13/84	FAILURE TO HAVE ECCS EQUIPMENT IN SERVICE AT 1000 PSIG
84-26	08/03/84	09/05/84	LOSS OF GAS WHILE WORKING ON LETDOWN RELIEF TO VCT (1VC8119) PER 10 CFR 50 APPENDIX I.

1. Docket: 50-304 OPERATING STATUS

2. Reporting Period: 09/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,575.0</u>	<u>87,960.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,076.2</u>	<u>63,301.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,971.0</u>	<u>61,497.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,279,121</u>	<u>12,110,593</u>	<u>177,026,676</u>
18. Gross Elec Ener (MWH)	<u>745,862</u>	<u>3,943,863</u>	<u>56,647,900</u>
19. Net Elec Ener (MWH)	<u>716,127</u>	<u>3,758,764</u>	<u>53,835,709</u>
20. Unit Service Factor	<u>100.0</u>	<u>60.4</u>	<u>69.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>60.4</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>95.6</u>	<u>55.0</u>	<u>58.9</u>
23. Unit Cap Factor (DER Net)	<u>95.6</u>	<u>55.0</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.6</u>	<u>17.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>734.7</u>	<u>13,111.4</u>

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

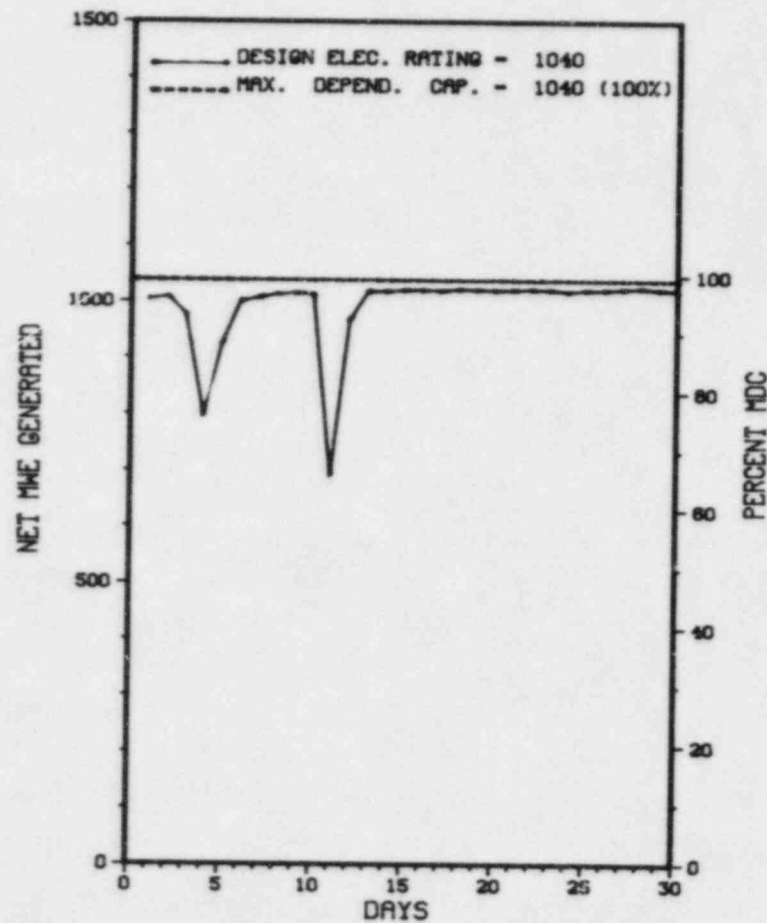
NONE

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

* ZION 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



SEPTEMBER 1984

Report Period SEP 1984

UNIT SHUTDOWNS / REDUCTIONS

* ZION 2 *

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

NONE

***** ZION 2 INCURRED NO OUTAGES OR POWER REDUCTIONS IN SEPTEMBER.
 * 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 SEP 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

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

INSPECTION SUMMARY

INSPECTION ON JULY 23-27, (84-10): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; ACTIVATION OF THE EMERGENCY PLAN; 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); PUBLIC INFORMATION PROGRAM; MAINTAINING EMERGENCY PREPAREDNESS; AND LICENSEE AUDITS. THE INSPECTION INVOLVED 130 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (MAINTAINING EMERGENCY PREPAREDNESS). NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE OTHER AREAS INSPECTED.

INSPECTION ON JULY 2 AND AUGUST 1-29, (84-11): SPECIAL, ANNOUNCED INSPECTION BY REGION BASED INSPECTORS OF UNIT 1, 1981 AND 1983 CONTAINMENT INTEGRATED LEAK RATE TESTS (CILRT); WITNESS THE UNIT 1, 1984 CILRT; AND REVIEW UNIT 2, 1980 CILRT. THE INSPECTION INVOLVED 164 INSPECTOR-HOURS ON SITE BY THREE NRC INSPECTORS, INCLUDING 43 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE THREE AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED IN TWO AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO PERFORM A TYPE A TEST IN ACCORDANCE WITH 10 CFR 50, APPENDIX J REQUIREMENTS - PARAGRAPH 2.A; FAILURE TO PERFORM SUPPLEMENTAL TESTS IN ACCORDANCE WITH 10 CFR 50, APPENDIX J REQUIREMENTS - PARAGRAPH 2.B).

INSPECTION ON JUNE 30 - JULY 27, (84-12): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; UNIT 1 SHUTDOWN DUE TO CONTAINMENT LEAK RATE TEST DEFICIENCIES; 10 CFR 21 REPORT ON COMPONENT COOLING WATER SYSTEM; REACTOR TRIP FOLLOWING RTD CALIBRATION; REACTOR TRIP DURING INSTRUMENT CALIBRATION; CONDUCT OF MAINTENANCE ON NUCLEAR INSTRUMENTATION; INADVERTENT RELEASE OF CONTENTS OF 2B GAS DECAY TANK; PLANT STARTUP FROM REFUELING; OPERATIONAL SAFETY; ESF

Report Period SEP 1984

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

* ZION 2 *

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=====
NUMBER   DATE OF   DATE OF   SUBJECT
        EVENT   REPORT
-----
84-18    07/08/84  08/07/84  REACTOR TRIP
84-19    07/01/84  08/15/84  PRESSURIZER PRESSURE CHANNEL FAILURES
84-21    06/19/84  09/04/84  LOSS OF SOURCE RANGE DETECTOR INDICATION WHILE IN CSD
84-22    08/09/84  08/31/84  ERROR IN SCHEDULING PT-1 SURVEILLANCE
84-23    08/16/84  09/13/84  FAILURE TO PERFORM REACTOR COOLANT SURVEILLANCE
84-24    08/21/84  09/20/84  FAILURE OF SAFEGUARDS TRAIN B TO RESET FROM TEST
84-25    09/05/84  09/26/84  LOAD SWING IN VIOLATION OF CONFIRMATORY ORDER
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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		10-84
ARKANSAS 2	177	988	168	820		05-85	2003
BEAVER VALLEY 1	157	833	52	781		10-84	1995
CALVERT CLIFFS 1	217	1830(c)	868(c)	961(c)(m)	1098	03-85	1991
CALVERT CLIFFS 2	217					10-85	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	199	536		N/S	1993
DIABLO CANYON 1							
FARLEY 1	157	675	114	561	1293	N/S	1991
FARLEY 2	157	675	62	613	1345	01-85	1994
FORT CALHOUN 1	133	729	305	424		10-85	1996
GINNA	121	595	340	255		N/S	1992
HADDAM NECK	157	1168	545	623		N/S	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	332	150	916	N/S	1986
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	91	409(n)	1781	N/S	1990
MCGUIRE 2						01-85	
MILLSTONE 2	217	667	376	291		N/S	1987
NORTH ANNA 1	157	966(c)	220(c)	746		N/S	1991
NORTH ANNA 2	157					N/S	1990
OCONEE 1	177	1312(l)	1086	226(l)(n)		10-84	1991
OCONEE 2	177					03-85	
OCONEE 3	177	825	104	721		09-85	
PALISADES	204	784	480	304		N/S	1988
POINT BEACH 1	121	1058(c)	524(c)	1038(c)		N/S	1995
POINT BEACH 2	121					N/S	
PRAIRIE ISLAND 1	121	1017(c)	601(c)	416(c)(m)	720	N/S	1988
PRAIRIE ISLAND 2	121					N/S	
RANCHO SECO 1	177	579	280	299		01-85	1987
ROBINSON 2	157	276	152	124(e)	431	N/S	1985(g)
SALEM 1	193	1170	212	958		N/S	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		11-84	
SAN ONOFRE 3	217	800	0	800		N/S	
SEQUOYAH 1	193	800	65	735		N/S	1993
SEQUOYAH 2(d)	193	800	130	670		N/S	1994
ST LUCIE 1	217	728	352	376		N/S	1990
ST LUCIE 2						10-84	
SUMMER 1	157	682	52	630	1276	N/S	
SURRY 1	157	1044(c)	608(c)	432(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 *****	NEXT REFUEL SCHED. DATE *****	(b) 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)		12-84	1995
ZION 2	193					09-85	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 Ocone fuel assemblies.

 N/S = Not Scheduled

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	BIG ROCK POINT 1	84	193	172	21	269	N/S
BROWNS FERRY 1	764	3471	1068	2403		03-85	1985
BROWNS FERRY 2	764	3471	889	1170(m)	2582	N/S	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	985	1381		N/S	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2659(c)	2014 (c)	996(c)	6129(c)	10-84	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		10-84	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	207	233		11-84	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

 * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY
 * WATER *
 * REACTORS *

FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	PILGRIM 1	580	2320	1708	62(m)		N/S
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
SUSQUEHANNA 2							
VERMONT YANKEE 1	368	2000	1174	826		N/S	1992
WASHINGTON NUCLEAR*							

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.
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- (f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.
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- (h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
- (i) No longer accepting spent fuel.
- (j) Racked for 700 MTU.
- (k) Reserved.
- (l) This is the station total.
- (m) Installed capacity is less than that authorized.
- (n) McGuire 1 authorized to accept Ocone fuel assemblies.

 N/S = Not Scheduled

(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 *	10.17	08/01/74	ARKANSAS 1	5.77	12/26/78	ARKANSAS 2	8.30	06/14/76	BEAVER VALLEY 1		
* OPERATING *	21.82	12/08/62	BIG ROCK POINT 1	10.96	10/15/73	BROWNS FERRY 1	10.09	08/28/74	BROWNS FERRY 2		
* ELECTRICAL *	8.05	09/12/76	BROWNS FERRY 3	7.82	12/04/76	BRUNSWICK 1	9.43	04/29/75	BRUNSWICK 2		
* PRODUCING *	9.74	01/03/75	CALVERT CLIFFS 1	7.82	12/07/76	CALVERT CLIFFS 2	9.64	02/10/75	COOK 1		
* UNITS *	6.53	03/22/78	COOK 2	10.40	05/10/74	COOPER STATION	7.67	01/30/77	CRYSTAL RIVER 3		
*****	7.09	08/28/77	DAVIS-BESSE 1	14.47	04/13/70	DRESDEN 2	13.20	07/22/71	DRESDEN 3		
	10.37	05/19/74	DUANE ARNOLD	7.12	08/18/77	FARLEY 1	3.35	05/25/81	FARLEY 2		
	9.66	02/01/75	FITZPATRICK	11.10	08/25/73	FORT CALHOUN 1	7.81	12/11/76	FORT ST VRAIN		
	14.83	12/02/69	GINNA	17.15	08/07/67	HADDAM NECK	9.89	11/11/74	HATCH 1		
	6.03	09/22/78	HATCH 2	11.27	06/26/73	INDIAN POINT 2	8.43	04/27/76	INDIAN POINT 3		
	10.48	04/08/74	KEWAUNEE	16.43	04/26/68	LA CROSSE	2.08	09/04/82	LASALLE 1		
	.45	04/20/84	LASALLE 2	11.90	11/08/72	MAINE YANKEE	3.26	06/30/81	MCGUIRE 1		
	1.36	05/23/83	MCGUIRE 2	13.84	11/29/70	MILLSTONE 1	8.90	11/09/75	MILLSTONE 2		
	13.58	03/05/71	MONTICELLO	14.89	11/09/69	NINE MILE POINT 1	6.46	04/17/78	NORTH ANNA 1		
	4.10	08/25/80	NORTH ANNA 2	11.41	05/06/73	OCONEE 1	10.82	12/05/73	OCONEE 2		
	10.08	09/01/74	OCONEE 3	15.02	09/23/69	OYSTER CREEK 1	12.75	12/31/71	PALISADES		
	10.62	02/18/74	PEACH BOTTOM 2	10.08	09/01/74	PEACH BOTTOM 3	12.20	07/19/72	PILGRIM 1		
	13.90	11/06/70	POINT BEACH 1	12.16	08/02/72	POINT BEACH 2	10.83	12/04/73	PRAIRIE ISLAND 1		
	9.78	12/21/74	PRAIRIE ISLAND 2	12.47	04/12/72	QUAD CITIES 1	12.36	05/23/72	QUAD CITIES 2		
	9.97	10/13/74	RANCHO SECO 1	14.02	09/26/70	ROBINSON 2	7.77	12/25/76	SALEM 1		
	3.33	06/03/81	SALEM 2	17.21	07/16/67	SAN ONOFRE 1	2.03	09/20/82	SAN ONOFRE 2		
	1.02	09/25/83	SAN ONOFRE 3	4.19	07/22/80	SEQUOYAH 1	2.77	12/23/81	SEQUOYAH 2		
	8.40	05/07/76	ST LUCIE 1	1.30	06/13/83	ST LUCIE 2	1.88	11/16/82	SUMMER 1		
	12.24	07/04/72	SURRY 1	11.56	03/10/73	SURRY 2	1.88	11/16/82	SUSQUEHANNA 1		
	.25	07/03/84	SUSQUEHANNA 2	10.29	06/19/74	THREE MILE ISLAND 1	8.77	12/23/75	TROJAN		
	11.91	11/02/72	TURKEY POINT 3	11.28	06/21/73	TURKEY POINT 4	12.03	09/20/72	VERMONT YANKEE 1		
	.35	05/27/84	WASHINGTON NUCLEAR 2	23.89	11/10/60	YANKEE-ROWE 1	11.26	06/28/73	ZION 1		
	10.77	12/26/73	ZION 2								

TOTAL 768.55 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 NUMBER	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	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01	
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE LOWELL WORCESTER	MASSACHUSETTS INSTITUTE OF TECHNOLOGY UNIVERSITY OF LOWELL WORCESTER POLYTECHNIC INSTITUTE	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
			GE	50-223	R-125	12-24-74	1000.0
			GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR EAST LANSING MIDLAND	UNIVERSITY OF MICHIGAN MICHIGAN STATE UNIVERSITY DOW CHEMICAL COMPANY	POOL	50-002	R-28	09-13-57	2000.0
			TRIGA MARK I	50-294	R-114	03-21-69	250.0
			TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA ROLLA	UNIVERSITY OF MISSOURI, COLUMBIA UNIVERSITY OF MISSOURI	TANK	50-186	R-103	10-11-66	10000.0
			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 BUFFALO ITHACA ITHACA NEW YORK TUXEDO	MANHATTAN COLLEGE - PYHSICS DEPT. STATE UNIVERSITY OF NEW YORK CORNELL UNIVERSITY CORNELL UNIVERSITY COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK UNION CARBIDE CORP	TANK	50-199	R-94	03-24-64	0.0001
			PULSTAR	50-057	R-77	03-24-61	2000.0
			TRIGA MARK II	50-157	R-80	01-11-62	500.0
			ZPR	50-097	R-89	12-11-62	0.1
			TRIGA MARK II	50-208	R-128	04-14-77	250.0
			POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.100
OREGON	CORVALLIS PORTLAND	OREGON STATE UNIVERSITY REED COLLEGE	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
			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 COLLEGE STATION COLLEGE STATION	UNIVERSITY OF TEXAS TEXAS A&M UNIVERSITY TEXAS A&M UNIVERSITY	TRIGA MARK I	50-192	R-92	08-02-63	250.0
			AGN-201M #106	50-059	R-23	08-26-57	0.005
			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.

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		UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG CHARLOTTESVILLE CHARLOTTESVILLE LYNCHBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
		UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
		UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
		BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN SEATTLE	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
		UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
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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
***** * CRITICAL EXPERIMENT FACILITIES * *****							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-56	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.					
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