

NUREG-0020
Vol. 9, No. 11
November 1985

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 10-31-85

UNITED STATES NUCLEAR REGULATORY COMMISSION



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Manuscript Completed: December 1985
Date Published: December 1985

OFFICE OF RESOURCE MANAGEMENT
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555



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	<p>For units in power ascension at the end of the period, the gross hours from the beginning of the period or the first electrical production, whichever comes last, to the end of the period.</p> <p>For units in commercial operation at the end of the period, the gross hours from the beginning of the period or of commercial operation, whichever comes last, to the end of the period or decommissioning, whichever comes first.</p>

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

UNIT AVAILABILITY FACTOR	$\frac{\text{Unit Available hours} \times 100}{\text{Period Hours}}$
UNIT CAPACITY FACTORS	
- Using Licensed Thermal Power	$\frac{\text{Gross Thermal Energy Generated} \times 100}{\text{Period Hours} \times \text{Lic. Thermal Power}}$
- Using Nameplate Rating	$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{Nameplate Rating}}$
- Using DER	$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{DER}}$
- Using MDC Gross	$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Gross}}$
- Using MDC Net	$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Net}}$
NOTE: if MDC GROSS and/or MDC NET have not been determined, the DER is substituted for this quantity for Unit Capacity Factor calculations.	
UNIT FORCED OUTAGE RATE	$\frac{\text{Forced Outage Hours}}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$
UNIT RESERVE SHUTDOWN	The removal of the unit from on-line operation for economic or other similar reasons when operation could have been continued.
UNIT RESERVE SHUTDOWN HOURS	The total clock hours in the report period during which the unit was in reserve shutdown mode.
UNIT SERVICE FACTOR	$\frac{\text{Unit Service Hours} \times 100}{\text{Period Hours}}$
UNIT SERVICE HOURS	See "Hours Generator On-Line."

NOTE:

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

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SECTION 1

**CURRENT
DATA
SUMMARIES**

MONTHLY HIGHLIGHTS

***** 89 IN COMMERCIAL OPERATION 73,225 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 4 IN POWER ASCENSION. 4,568 capacity; design elec. rating
 * POWER * used if MDC not determined
 * REACTORS * (b) 93 LICENSED TO OPERATE 77,793 TOTAL
 ***** (c) 2 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

MDC NET DER DATE DER
 (a) PALO VERDE 11304 (b) Excludes these plants 1. DRESDEN 1.....200 (c) SHOREHAM 07/03/85 820
 ENRICO FERMI 21093 licensed for operation 2. HUMBOLDT BAY.....65 RIVER BEND 08/29/85 934
 LIMERICK 11065 which are shut down 3. TMI 2.....906
 DIABLO CANYON 21106 indefinitely

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
***** 1. GROSS ELECTRICAL (MWHE)	32,338,342	35,432,479	324,372,423
* POWER * 2. NET ELECTRICAL (MWHE)	30,639,326	33,710,973	308,604,791
* GENERATION * 3. AVG. UNIT SERVICE FACTOR (%)	62.2	72.4	69.0
***** 4. AVG. UNIT AVAILABILITY FACTOR (%)	62.7	72.5	69.3
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	56.8	66.9	64.0
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	55.5	65.1	62.3
7. FORCED OUTAGE RATE (%)	15.5	12.1	10.9

		% OF POTENTIAL PRODUCTION
***** 1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	30,639,326 NET	56.2
* ACTUAL VS. * 2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	12,056,774 MWHe	22.1
* POTENTIAL * 3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	8,840,903 MWHe	16.2
* ENERGY * 4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	3,015,622 MWHe	5.5
* PRODUCTION * POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	54,552,625 MWHe	100.0% TOTAL
(Using Maximum Dependable Capacity Net)		
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	1,171,398 MWHe	
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS. MWHe	0 UNIT(S) WITH NRC RESTRICTION

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
***** 1. FORCED OUTAGES DURING REPORT PERIOD	75	10,007.8	15.1	8,840,903
* OUTAGE * 2. SCHEDULED OUTAGES DURING REPORT PERIOD.	38	15,049.8	22.7	12,056,774
* DATA * TOTAL	113	25,057.6	37.8	20,897,677

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

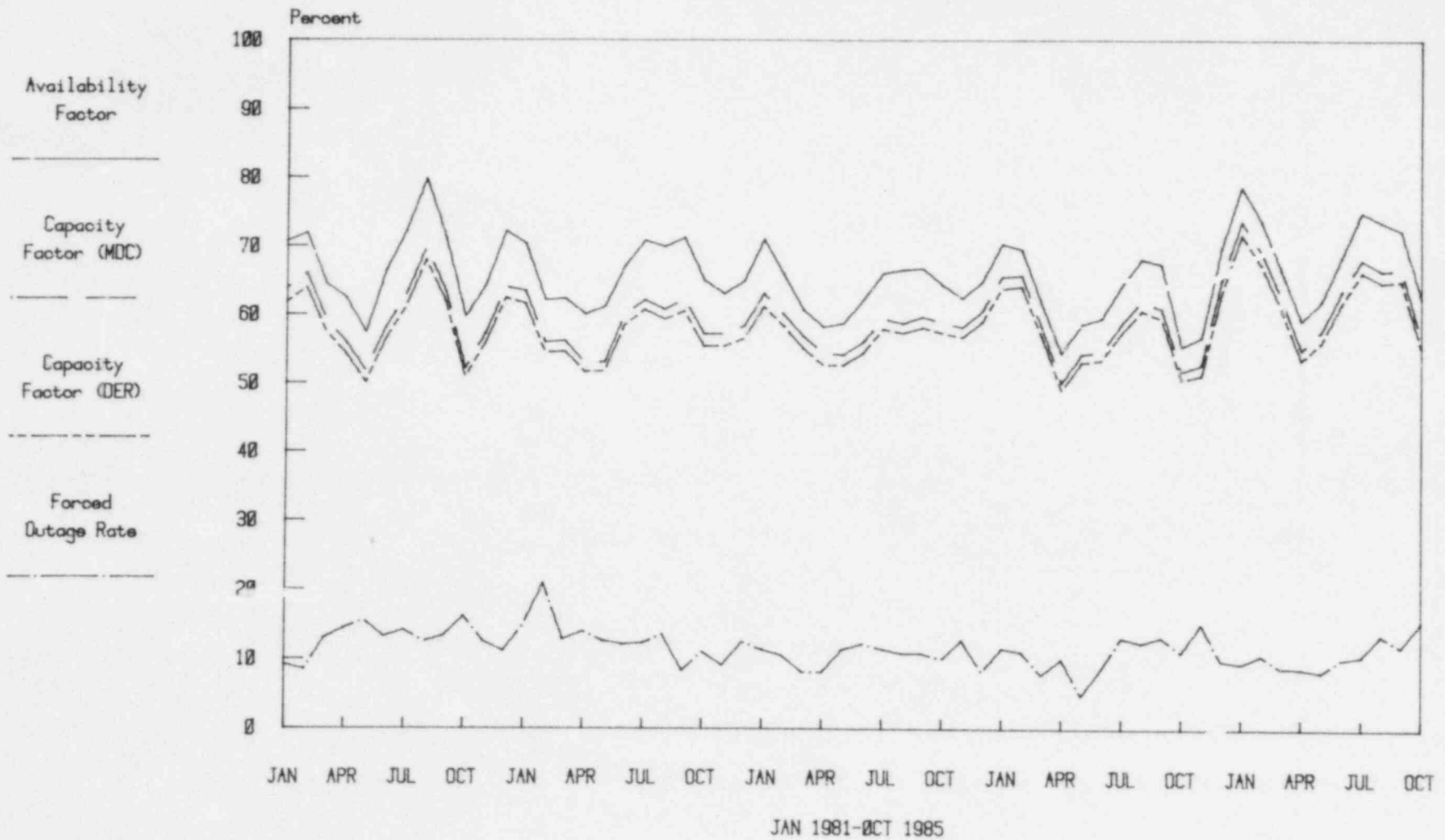
		NUMBER	HOURS LOST
*****	A - Equipment Failure	53	5,841.3
* REASONS *	B - Maintenance or Test	14	2,634.2
* FOR *	C - Refueling	22	11,763.4
* SHUTDOWNS *	D - Regulatory Restriction	3	1,088.8
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative	3	848.1
	G - Operational Error	8	935.1
	H - Other	10	1,946.7
	TOTAL	113	25,057.6

	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE	
*****	ARKANSAS 1	836	831	Self-imposed
* DERATED *	FORT ST VRAIN	330	280	Self-imposed
* UNITS *	INDIAN POINT 2	849	610	Self-imposed
*****	WASHINGTON NUCLEAR*	x95	800	Self-imposed

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
*****		ARKANSAS 2	A, A	BIG ROCK POINT 1	C	BROWNS FERRY 1	C
* SHUTDOWNS *	A	BROWNS FERRY 3	F	BRUNSWICK 1	C	BRUNSWICK 2	A
* GREATER *	C	CALVERT CLIFFS 1	A	CALVERT CLIFFS 2	C	CATAWBA 1	A
* THAN 72 HRS *	D	COOK 2	A	COOPER STATION	A	DAVIS-BESSE 1	A
* EACH *	E	DRESDEN 3	C	FORT CALHOUN 1	C	FORT ST VRAIN	G
*****	H	INDIAN POINT 3	C	LA CROSSE	G	LASALLE 1	C
	B	MAINE YANKEE	C	MILLSTONE 1	C	MILLSTONE 2	A
	B	OCONEE 1	A	OCONEE 3	C, A	OYSTER CREEK 1	B
	A	PEACH BOTTOM 2	A	PEACH BOTTOM 3	C	POINT BEACH 2	C
	B	QUAD CITIES 2	H	RANCHO SECO 1	H	SALEM 1	A, A
	C	SEQUOYAH 1	C	SEQUOYAH 2	D	ST LUCIE 1	C
	C	SURRY 2	B	THREE MILE ISLAND 1	D	TURKEY POINT 3	B
	C	WATERFORD 3	A	YANKEE-ROWE 1	C	ZION 2	C

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 10-31-85



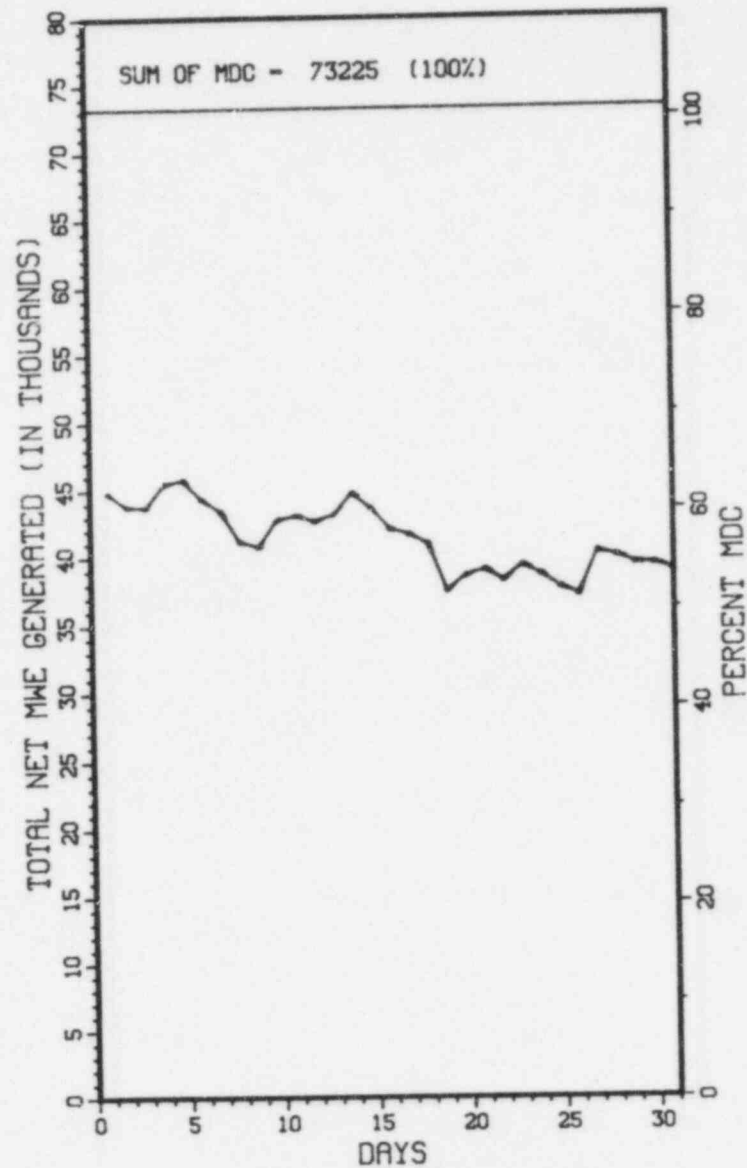
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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".

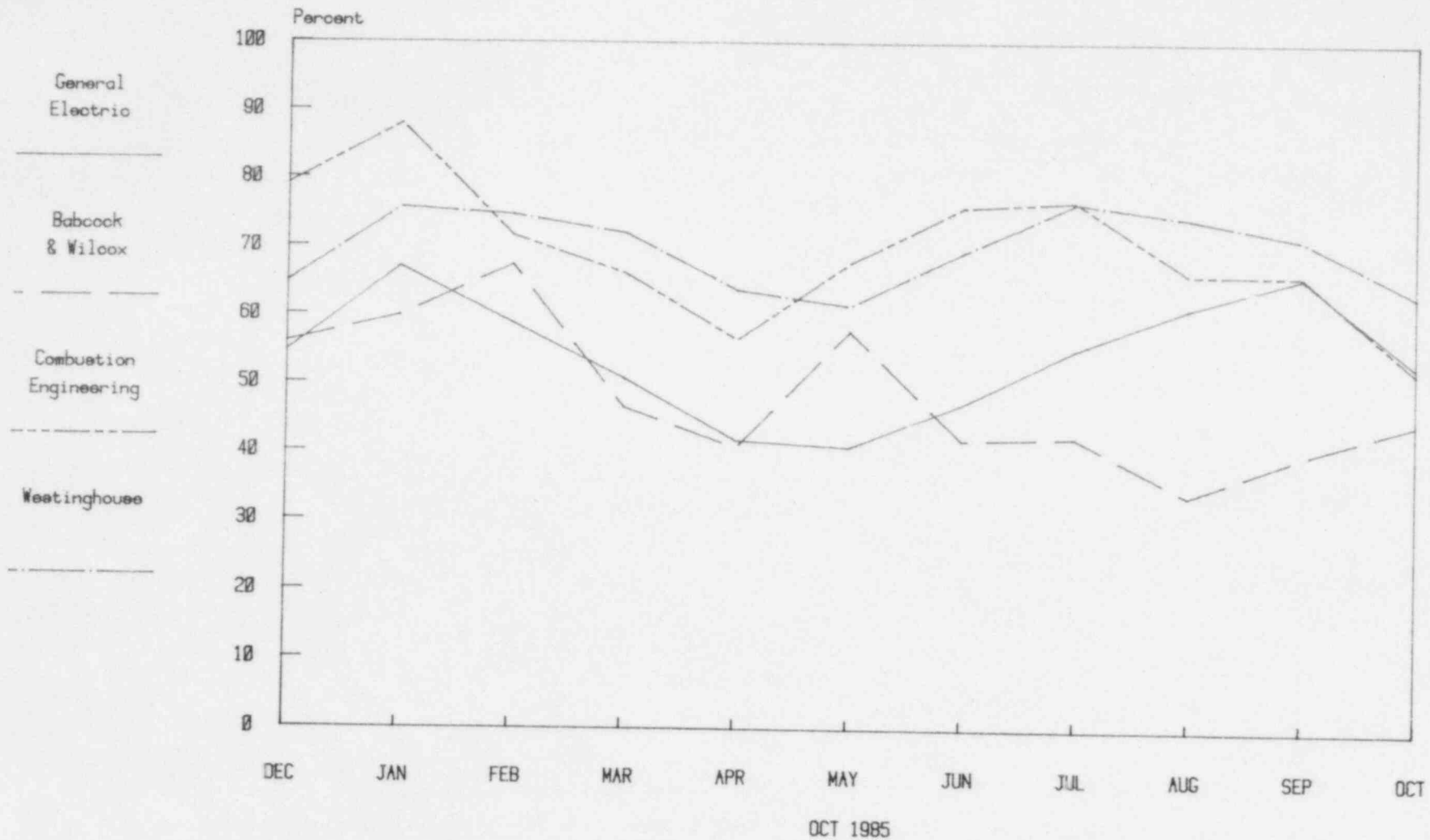
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



OCTOBER 1985

Vendor Average Capacity Factors

As Of 10-31-85



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

Report Period OCT 1985

AVERAGE CAPACITY FACTORS BY VENDORS

*****	CFMDC	CFMDC	CFMDC	CFMDC
* GENERAL *	0.0 BROWNS FERRY 1	0.0 BROWNS FERRY 2	0.0 BROWNS FERRY 3	0.0 BRUNSWICK 1
* ELECTRIC *	44.1 BRUNSWICK 2	13.3 COOPER STATION	0.0 DRESDEN 2	65.5 DRESDEN 3
*****	84.3 DUANE ARNOLD	95.9 FITZPATRICK	38.5 GRAND GULF 1	92.0 HATCH 1
	102.6 HATCH 2	38.7 LASALLE 1	66.7 LASALLE 2	71.4 MILLSTONE 1
	92.8 MONTICELLO	97.2 NINE MILE POINT 1	56.2 OYSTER CREEK 1	80.3 PEACH BOTTOM 2
	0.0 PEACH BOTTOM 3	75.4 PILGRIM 1	95.8 QUAD CITIES 1	67.1 QUAD CITIES 2
	88.4 SUSQUEHANNA 1	94.3 SUSQUEHANNA 2	0.0 VERMONT YANKEE 1	70.3 WASHINGTON NUCLEAR*

*****	CFMDC	CFMDC	CFMDC	CFMDC
* BARCOCK & *	68.8 ARKANSAS 1	78.7 CRYSTAL RIVER 3	0.0 DAVIS-BESSE 1	62.0 OCONEE 1
* WILCOX *	96.5 OCONEE 2	35.3 OCONEE 3	0.0 RANCHO SECO 1	15.1 THREE MILE ISLAND 1

*****	CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION *	54.9 ARKANSAS 2	81.4 CALVERT CLIFFS 1	59.2 CALVERT CLIFFS 2	0.0 FORT CALHOUN 1
* ENGINEERING *	9.9 MAINE YANKEE	0.0 MILLSTONE 2	87.2 PALISADES	96.3 SAN ONOFRE 2
*****	0.0 SAN ONOFRE 3	58.1 ST LUCIE 1	100.4 ST LUCIE 2	60.9 WATERFORD 3

*****	CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE*	72.4 BEAVER VALLEY 1	64.9 BYRON 1	86.3 CALLAWAY 1	46.9 CATAWBA 1
*****	0.0 COOK 1	4.7 COOK 2	84.0 DIABLO CANYON 1	100.6 FARLEY 1
	102.4 FARLEY 2	101.3 GINNA	101.2 HADDAM NECK	70.1 INDIAN POINT 2
	29.0 INDIAN POINT 3	104.2 KEWAUNEE	97.2 MCGUIRE 1	89.6 MCGUIRE 2
	88.0 NORTH ANNA 1	69.7 NORTH ANNA 2	102.4 POINT BEACH 1	12.1 POINT BEACH 2
	102.8 PRAIRIE ISLAND 1	0.0 PRAIRIE ISLAND 2	98.7 ROBINSON 2	44.9 SALEM 1
	89.1 SALEM 2	86.6 SAN ONOFRE 1	0.0 SEQUOYAH 1	0.0 SEQUOYAH 2
	13.4 SUMMER 1	89.3 SURRY 1	56.3 SURRY 2	95.4 TROJAN
	54.9 TURKEY POINT 3	97.6 TURKEY POINT 4	81.4 WOLF CREEK 1	41.6 YANKEE-ROWE 1
	98.2 ZION 1	0.0 ZION 2		

Units excluded are:

 * OTHER INFO *

 BIG ROCK POINT
 DRESDEN 1
 FORT ST VRAIN
 HUMBOLDT BAY
 LACROSSE
 THREE MILE ISLAND 2

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

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

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	9,223,372	15,159,301	3,994,080	2,238,833	21,392,214
MDC NET.....	23,466	32,265	10,301	6,746	49,312
CFMDC.....	52.8	63.1	52.0	44.5	58.2

M E M O R A N D A

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

N O N E
N O N E
N O N E

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: W. E. CONVERSE (501) 964-3188

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): 831

11. Reasons for Restrictions, If Any:
S/G TUBE FOULING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>95,275.0</u>
13. Hours Reactor Critical	<u>587.6</u>	<u>5,541.4</u>	<u>64,199.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>574.3</u>	<u>5,390.6</u>	<u>62,794.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,331,077</u>	<u>12,865,881</u>	<u>149,218,692</u>
18. Gross Elec Ener (MWH)	<u>454,310</u>	<u>4,322,559</u>	<u>49,284,830</u>
19. Net Elec Ener (MWH)	<u>428,730</u>	<u>4,092,712</u>	<u>46,955,234</u>
20. Unit Service Factor	<u>77.1</u>	<u>73.9</u>	<u>65.9</u>
21. Unit Avail Factor	<u>77.1</u>	<u>73.9</u>	<u>66.8</u>
22. Unit Cap Factor (MDC Net)	<u>68.8</u>	<u>67.1</u>	<u>59.0</u>
23. Unit Cap Factor (DER Net)	<u>67.7</u>	<u>66.0</u>	<u>58.0</u>
24. Unit Forced Outage Rate	<u>22.9</u>	<u>19.5</u>	<u>15.5</u>
25. Forced Outage Hours	<u>170.7</u>	<u>1,307.6</u>	<u>11,560.5</u>

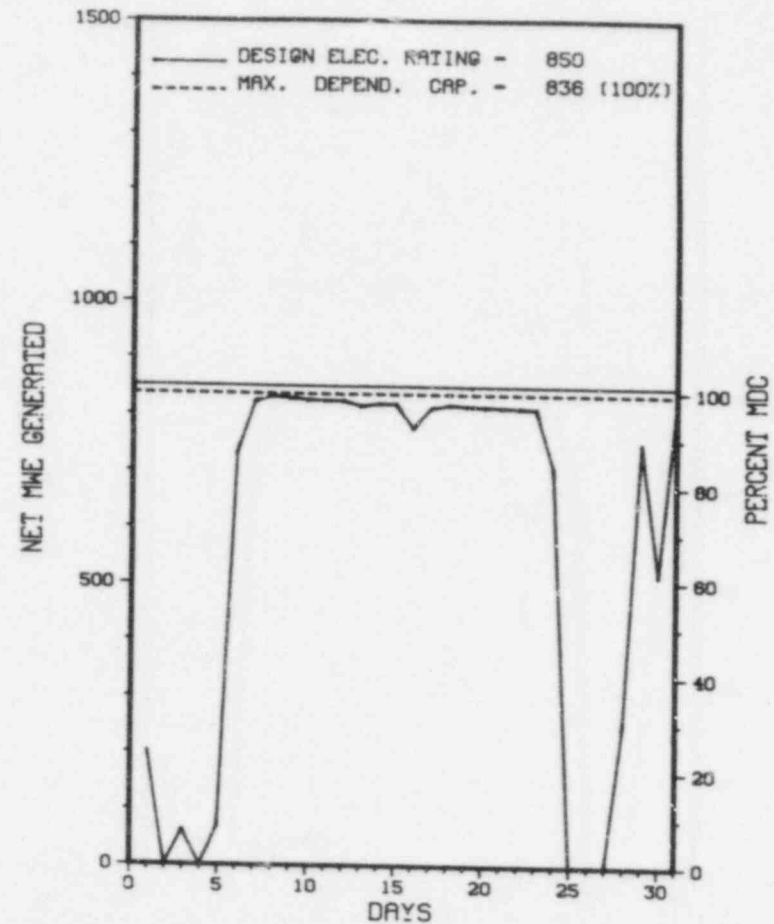
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8509	10/01/85	F	40.6	H	2	85-011	SB	1SV	MANUAL TRIP DUE TO AN MSIV CLOSURE. THE RELAY THAT CONTROLS THE MSIV WAS INCORRECTLY INSTALLED AND THE COVER WAS LOOSE. THE RELAY WAS REMOUNTED PROPERLY TO PREVENT A RECURRENCE.
8510	10/03/85	F	48.4	A	1		AB	PZR	UNIT WAS SHUTDOWN TO REPAIR A PRESSURIZER SPRAY VALVE THAT FAILED OPEN. NO ACTIONS WERE REQUIRED TO PREVENT A RECURRENCE.
8511	10/25/85	F	31.7	A	1		AA	MO	UNIT WAS SHUTDOWN TO REPAIR A CONTROL ROD 3 IN GROUP 7. NO ACTIONS WERE REQUIRED TO PREVENT A RECURRENCE
8512	10/30/85	F	0.0	H	5		SJ	P	REDUCED POWER DUE TO THE "A" MFP OSCILLATION.

 * SUMMARY *

 ARKANSAS 1 OPERATED WITH 3 OUTAGES AND 1 REDUCTION IN OCTOBER.

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		

* ARKANSAS 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS
COUNTY.....POPE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI WNW OF
RUSSELLVILLE, AR
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 6, 1974
DATE ELEC ENER 1ST GENER...AUGUST 17, 1974
DATE COMMERCIAL OPERATE....DECEMBER 19, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DARDANELLE RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT
CORPORATE ADDRESS.....NINTH & LOUISIANA STREETS
LITTLE ROCK, ARKANSAS 72203
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....B. JOHNSON
LICENSING PROJ MANAGER.....G. VISSING
DOCKET NUMBER.....50-313
LICENSE & DATE ISSUANCE....DPR-51, MAY 21, 1974
PUBLIC DOCUMENT ROOM.....ARKANSAS TECH UNIVERSITY
RUSSELLVILLE, ARKANSAS 72801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED ON AUGUST 1-31, 1985 (85-22) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, DESIGN CHANGE CONTROL, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, LOW TEMPERATURE OVER-PRESSURIZATION PROTECTION, AND TRAINING. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO VERIFY FIRE WATER VALVES IN CORRECT POSITION).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

1. Docket: 50-368 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: D. F. HARRISON (501) 964-3743

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 Occu. 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>745.0</u>	<u>7,296.0</u>	<u>49,104.0</u>
13. Hours Reactor Critical	<u>554.4</u>	<u>5,112.1</u>	<u>34,416.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>528.4</u>	<u>4,781.0</u>	<u>33,174.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,144,537</u>	<u>11,667,403</u>	<u>83,721,081</u>
18. Gross Elec Ener (MWH)	<u>376,040</u>	<u>3,866,945</u>	<u>27,383,701</u>
19. Net Elec Ener (MWH)	<u>350,678</u>	<u>3,646,542</u>	<u>26,056,455</u>
20. Unit Service Factor	<u>70.9</u>	<u>65.5</u>	<u>67.6</u>
21. Unit Avail Factor	<u>70.9</u>	<u>65.5</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>54.9</u>	<u>58.3</u>	<u>61.8</u>
23. Unit Cap Factor (DER Net)	<u>51.6</u>	<u>54.8</u>	<u>58.2</u>
24. Unit Forced Outage Rate	<u>29.1</u>	<u>14.1</u>	<u>16.9</u>
25. Forced Outage Hours	<u>216.6</u>	<u>786.3</u>	<u>6,754.7</u>

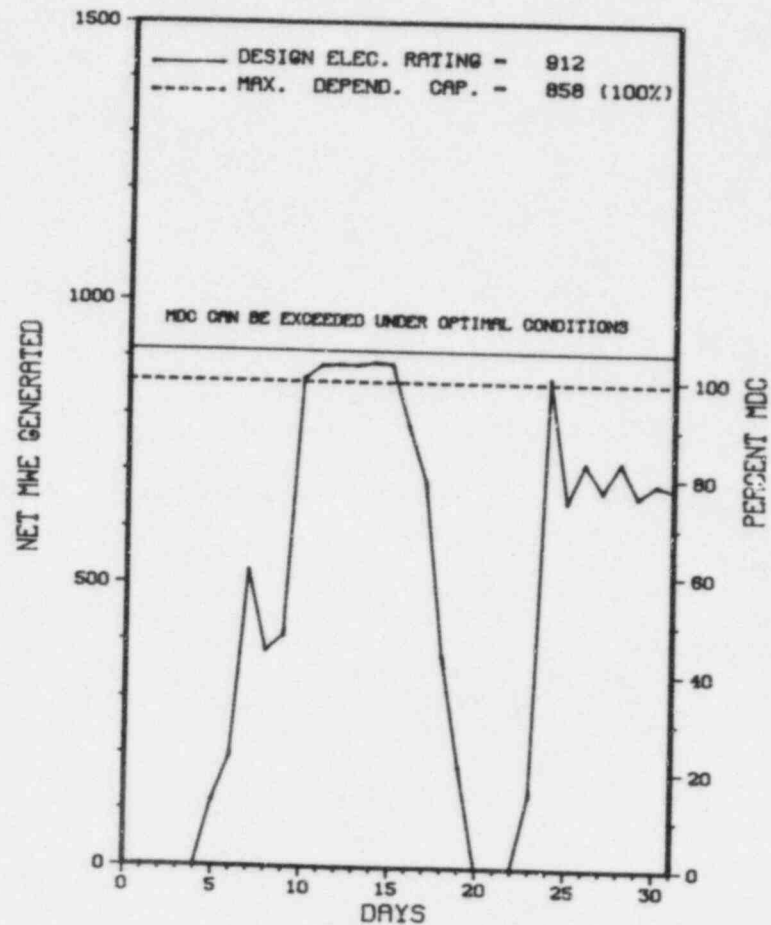
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8515	09/28/85	F	99.8	A	4		AB	PI	REPAIR "C" RCP SEAL PRESSURE SENSING LINE.
8516	10/08/85	F	17.9	A	3	85-022	SJ	V	REACTOR TRIP ON HIGH LEVEL IN "A" STEAM GENERATOR WHEN "B" MFW PUMP REGULATING VALVE CLOSED.
8517	10/16/85	F	0.0	H	5		SG	TBG	POWER REDUCED TO SEARCH FOR CONDENSER TUBE LEAKS.
8518	10/17/85	F	0.0	H	5		SM	ZZZZZ	POWER REDUCED TO INVESTIGATE PROBLEMS WITH FEEDWATER HEATER 2E-6B.
8519	10/19/85	F	98.9	A	3	85-023	SD	V	REACTOR TRIP FOLLOWING LOSS OF CONDENSER VACUUM WHEN THE CIRCULATING PUMP 2P-3B DISCHARGE VALVE DID NOT CLOSE WHEN SECURING PUMP. DURING SHUTDOWN IT WAS DISCOVERED THAT AN EXPANSION JOINT ON AN EXTRACTION LINE TO 2E-6B HAD RUPTURED. THE JOINT WAS REPAIRED AND THE UNIT WAS PLACED BACK ON LINE.
8520	10/24/85	F	0.0	H	5		SG	TBG	POWER REDUCED TO SEARCH FOR CONDENSER TUBE LEAKS.
8521	10/26/85	F	0.0	H	5		SG	TBG	POWER REDUCED TO SEARCH FOR CONDENSER TUBE LEAKS.
8522	10/28/85	F	0.0	H	5		SG	TBG	POWER REDUCED TO SEARCH FOR CONDENSER TUBE LEAKS.

 * SUMMARY *

 ARKANSAS 2 OPERATED WITH 2 OUTAGES AND 5 REDUCTIONS DURING OCTOBER.

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 OCT 1985

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 AUGUST 1-31, 1985 (85-23) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, DESIGN CHANGE CONTROL, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, FOLLOWUP OF ONSITE EVENT, AND TRAINING. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (TWO FIRE DOORS FOUND OPEN).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-334 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: P. A. SMITH (412) 643-1825

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>745.0</u>	<u>7,296.0</u>	<u>83,304.0</u>
13. Hours Reactor Critical	<u>725.8</u>	<u>6,788.0</u>	<u>44,147.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>720.7</u>	<u>6,635.7</u>	<u>42,718.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,491,565</u>	<u>16,004,575</u>	<u>99,403,080</u>
18. Gross Elec Ener (MWH)	<u>467,000</u>	<u>5,124,000</u>	<u>31,618,440</u>
19. Net Elec Ener (MWH)	<u>436,920</u>	<u>4,803,470</u>	<u>29,438,223</u>
20. Unit Service Factor	<u>96.7</u>	<u>90.9</u>	<u>53.7</u>
21. Unit Avail Factor	<u>96.7</u>	<u>90.9</u>	<u>53.7</u>
22. Unit Cap Factor (MDC Net)	<u>72.4</u>	<u>81.3</u>	<u>47.1</u>
23. Unit Cap Factor (DER Net)	<u>70.2</u>	<u>78.8</u>	<u>45.7</u>
24. Unit Forced Outage Rate	<u>3.3</u>	<u>7.9</u>	<u>24.5</u>
25. Forced Outage Hours	<u>24.3</u>	<u>570.3</u>	<u>18,442.4</u>

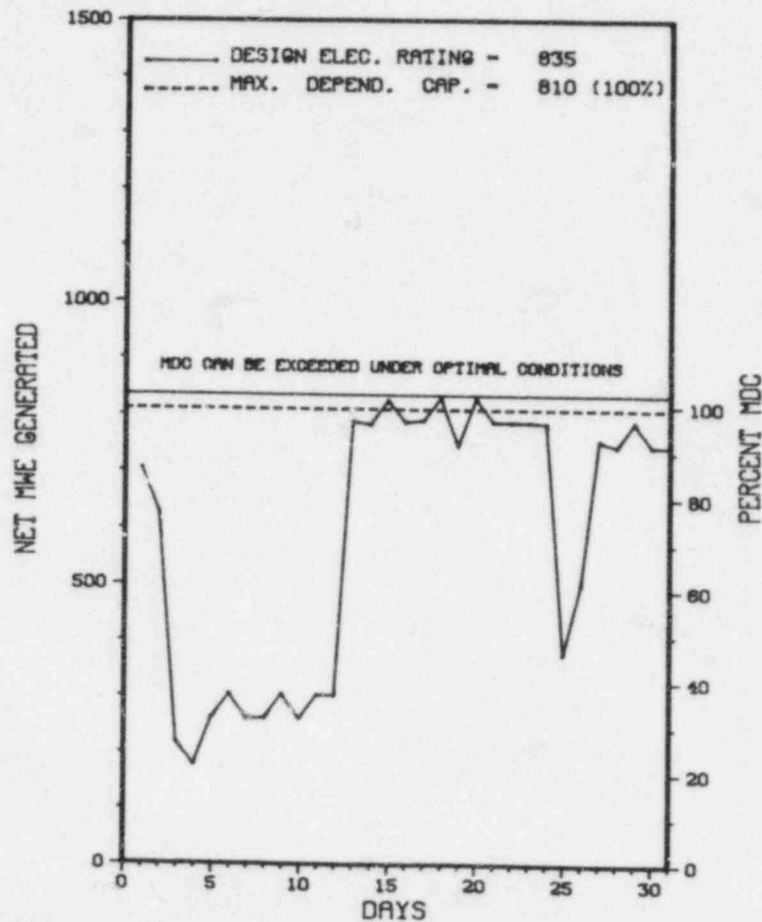
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
33	10/01/85	F	0.0	B	5		HH	PUMPXX	AT 2001 HOURS, THE POWER LEVEL WAS REDUCED TO PERFORM MAINTENANCE ON CONDENSATE PUMP (CN-P-1A). MAINTENANCE WAS COMPLETED AT 0400 HOURS ON THE 2ND.
34	10/03/85	F	0.0	B	5		HH	PUMPXX	POWER LEVEL WAS REDUCED AT 0045 HOURS AND A COMPLETE OVERHAUL COMMENCED ON CONDENSATE PUMP (CN-P-1A).
35	10/04/85	F	6.7	A	3	85-18	EG	ELECON	A REACTOR TRIP DUE TO THE LOSS OF VITAL BUS III OCCURRED AT 1402 HOURS. THE STATION RETURNED ON-LINE AT 2043 HOURS ON THE 4TH.
36	10/04/85	F	0.0	B	5		HH	PUMPXX	THE STATION OPERATED AT A REDUCED POWER LEVEL AS WORK CONTINUED ON CONDENSATE PUMP (CN-P-1A).
37	10/25/85	F	17.6	A	3	85-19	CB	INSTRU	AT 1149 HOURS, A REACTOR TRIP OCCURRED DUE TO A REACTOR COOLANT SYSTEM FLOW TRANSMITTER SPIKE. THE STATION WAS BACK ON-LINE AT 0529 HOURS ON THE 26TH.
38	10/26/85	F	0.0	B	5		CH	VALVEX	AFTER RETURNING TO THE GRID, THE STATION OPERATED AT A REDUCED POWER LEVEL DUE TO FLOW INDUCED NOISE AND VIBRATION IN FEEDWATER REGULATOR VALVE (FCV-FW-498).

 * BEAVER VALLEY 1 OPERATED WITH 4 REDUCTIONS AND 2 OUTAGES IN OCTOBER.
 * 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
	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 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period OCT 1985

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

=====

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

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1. Docket: 50-155 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: LINDA SALCH (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): 73

8. Maximum Dependable Capacity (Net MWe): 69

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>745.0</u>	<u>7,296.0</u>	<u>198,067.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,436.3</u>	<u>140,128.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,391.4</u>	<u>137,590.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,003,092</u>	<u>25,855,645</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>322,761</u>	<u>8,180,013</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>304,788</u>	<u>7,734,523</u>
20. Unit Service Factor	<u>.0</u>	<u>73.9</u>	<u>69.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>73.9</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>60.3</u>	<u>58.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>58.0</u>	<u>54.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>15.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>52.7</u>	<u>11,107.7</u>

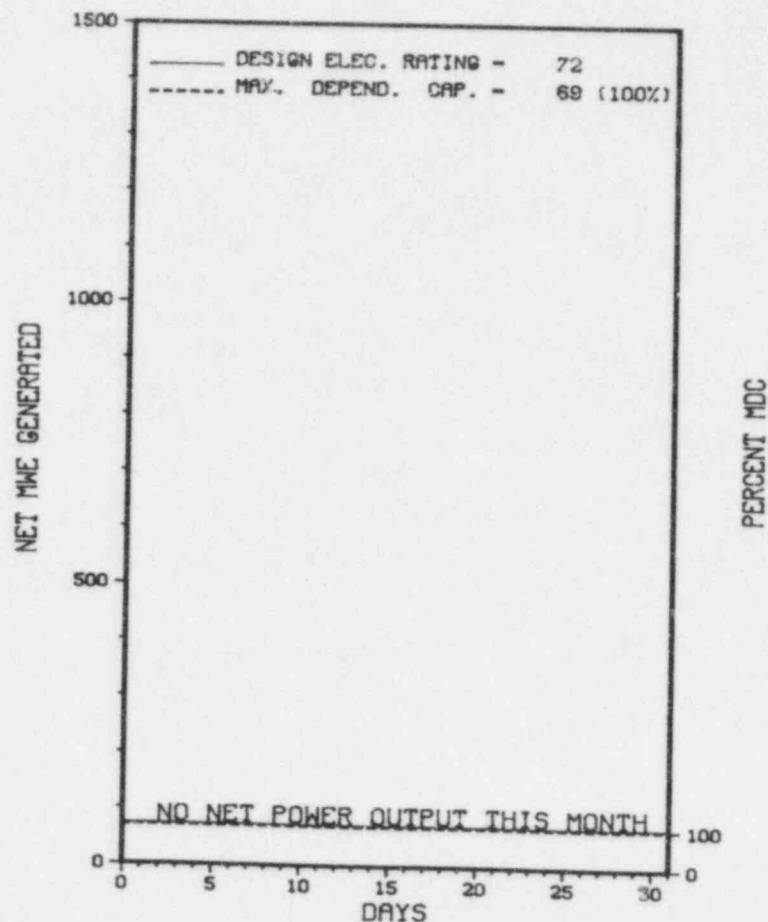
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/30/85

* BIG ROCK POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-07	09/06/85	S	745.0	C	4				20TH REFUELING OUTAGE CONTINUES. (1322.6 TOTAL HOURS).

* SUMMARY *

BIG ROCK POINT 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)

* BIG ROCK POINT 1 *

FACILITY DATA

Report Period OCT 1985

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 OPERAT- ...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.....T. ROTELLA
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 SEPTEMBER 9-12 (85017) ROUTINE, ANNOUNCED INSPECTION OF (1) THE CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING COLLECTION, ANALYSIS AND COMPARISON OF RESULTS OF SAMPLES SPLIT WITH THE LICENSEE AND ANALYZED ONSITE USING THE RIII MOBILE LABORATORY, (2) QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, AND (3) LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED FINDINGS. THE INSPECTION INVOLVED 59.5 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

1. Docket: 50-259 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 325J

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>745.0</u>	<u>7,296.0</u>	<u>98,642.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,647.7</u>	<u>59,520.9</u>
14. Reserve Shtdwn Hrs	<u>.0</u>	<u>512.1</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,626.6</u>	<u>58,276.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,950,821</u>	<u>167,963,338</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,652,650</u>	<u>55,398,130</u>
19. Net Elec Ener (MWH)	<u>-7,531</u>	<u>1,552,365</u>	<u>53,726,186</u>
20. Unit Service Factor	<u>.0</u>	<u>22.3</u>	<u>59.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>22.3</u>	<u>59.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>20.0</u>	<u>51.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>20.0</u>	<u>51.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>55.1</u>	<u>23.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,996.4</u>	<u>18,041.1</u>

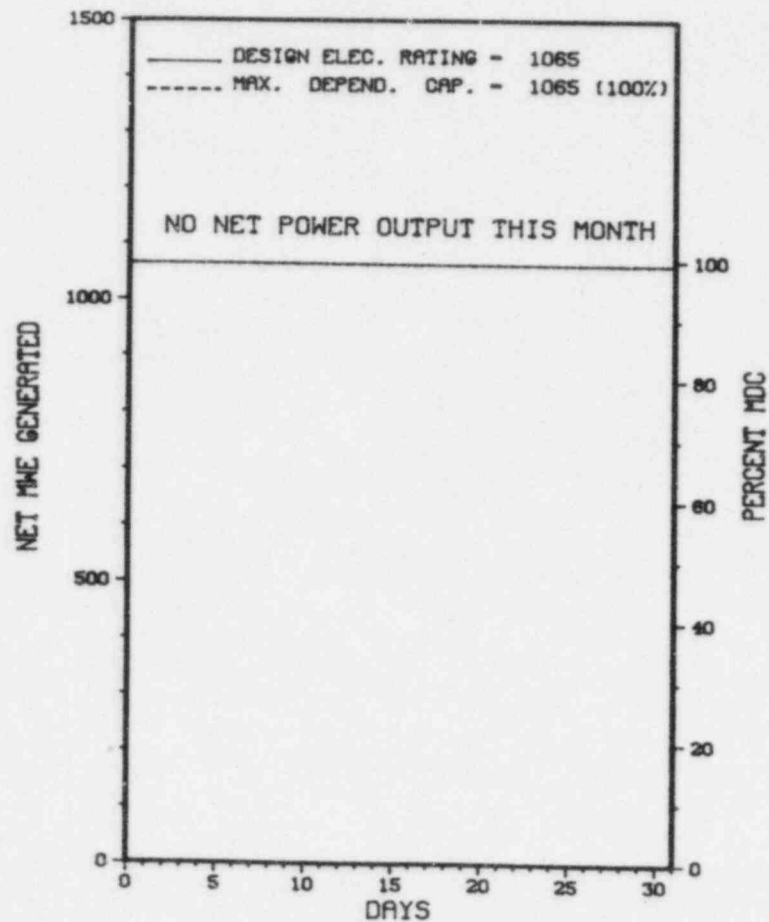
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 03/15/89

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
315	06/01/85	S	745.0	C	4				END OF CYCLE 6 REFUEL OUTAGE CONTINUES.

* SUMMARY *

BROWNS FERRY 1 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)

* BROWNS FERRY 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 9-13 (85-44): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE IN THE AREAS OF REFUELING ACTIVITY, SPENT FUEL POOL ACTIVITY AND LOCAL LEAK RATE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20 - SEPTEMBER 30 (85-45): THIS ROUTINE INSPECTION INVOLVED 80 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE TESTING, REGULATORY PERFORMANCE IMPROVEMENT PROGRAM, AND REFUELING ACTIVITIES. FOUR VIOLATIONS - (1) 10 CFR 50, APPENDIX B, CRITERION XVI FOR FAILURE TO TAKE CORRECTIVE ACTION FOR A DIESEL GENERATOR FALSE START. (2) 10 CFR 50, APPENDIX B, CRITERION V FOR MULTIPLE EXAMPLES: (A) FAILURE TO MAINTAIN REACTOR PROTECTION SYSTEM CIRCUITRY PER PLANT DRAWING. (B) FAILURE TO MAINTAIN RECORD OF A DIESEL GENERATOR SURVEILLANCE INSTRUCTION.

INSPECTION SEPTEMBER 24-27 (85-46): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 HOURS ONSITE INSPECTING: POWER SUPPLY, COMPENSATORY MEASURES, ACCESS CONTROLS, TRAINING AND QUALIFICATION PLAN, AND INDEPENDENT INSPECTION EFFORT. THERE WERE NO VIOLATIONS IDENTIFIED. ONE INSPECTOR FOLLOW-UP ITEM RELATIVE TO POWER SUPPLY WAS OPENED (85-46-01).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS, SHALL BE PREPARED,

Report Period OCT 1985

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

* BROWNS FERRY 1 *

ENFORCEMENT SUMMARY

APPROVED, AND ADHERED TO FOR NORMAL STARTUP, OPERATION AND SHUTDOWN OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR THE FOLLOWING TWO EXAMPLES: (A) OPERATING INSTRUCTION OI-65, STANDBY GAS TREATMENT (SBGT) SYSTEM OPERATION DID NOT ADDRESS THAT THE CHARCOAL BED HEATERS HAD TO BE MANUALLY RESET AFTER THE SBGT SYSTEM WAS SECURED. ALTHOUGH LICENSEE EVENT REPORT 259/85-29 IMPLIES THIS WAS NOT PREVIOUSLY KNOWN, FINAL SAFETY ANALYSIS REPORT FIGURE 5.3-9 NOTE SIX DESCRIBES THE MANUAL RESET. (B) ON JULY 30, 1985, SURVEILLANCE INSTRUCTION SI 4.7.B-1, SBGT OPERABILITY TEST WAS BEING USED WHICH DID NOT CONTAIN A CHANGE DATED JULY 7, 1985, THAT REQUIRED THE CHARCOAL BED HEATERS TO BE RESET AFTER SYSTEM SHUTDOWN. A REVIEW OF COMPLETED SI 4.7.B-1 PROCEDURES SINCE THE CHANGE WAS IMPLEMENTED FOUND THREE OUT OF 10 DID NOT CONTAIN THE CHANGE. OPERATIONS PERSONNEL ARE INSTRUCTED BY OPERATIONS SECTION INSTRUCTION LETTER SIL-40, TO COMPARE PAGE-BY-PAGE PROCEDURES USED AGAINST A CONTROLLED COPY OF THE PROCEDURE TO INSURE REVISIONS ARE INCORPORATED.

(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION WORK.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REPAIRS ON 03/19.

LAST IE SITE INSPECTION DATE: AUGUST 20 - SEPTEMBER 30, 1985 +

INSPECTION REPORT NO: 50-259/85-45 +

Report Period OCT 1985

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

* BROWNS FERRY 1 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-039	08/15/85	09/13/85	PRIMARY CONTAINMENT LEAKAGE RATES ALL PRIMARY CONTAINMENT PENETRATIONS WILL BE TESTED AND REPAIRED AS REQUIRED.
85-041	08/14/85	09/27/85	STANDBY DIESEL GENERATORS DECLARED INOPERABLE THIS IS CONSIDERED A MISSED SURVEILLANCE UNABLE TO MEET SEISMIC REQUIREMENTS.
85-043	08/25/85	09/24/85	INADVERTENT SCRAM THE INVESTIGATION DIDN'T CONCLUSIVELY DETERMINE THE CAUSE OF THE SCRAM.
85-044	08/19/85		USE OF UNSPECIFIED MATERIAL ON AXIAL RESTRAINT SEVEN NAILS INSTALLED ON THE UNIT 1 MAIN STEAM LINE AXIAL SUPPCRTS INSTEAD OF COTTER PINS.
85-045	09/04/85	10/04/85	INADEQUATE EMERGENCY EQUIP COOLING WATER FLOW, TAGS WILL BE HUNG ON ALL THROTTLE VALVES.
85-046	09/12/85	10/11/85	UNMONITORED TURBINE BUILDING EFFLUENT RELEASE, SURVEILLANCE INSTRUCTION HAS BEEN REVISED TO REQUIRE SECOND-PARTY VERIFICATION.
85-048	09/08/85	10/08/85	INADVERTENT SCRAM, THE SI WILL BE REVISED TO ADD EXPLICIT STEPS TO VERIFY THAT THE HALF SCRAM IS FULLY RESET.

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1. Docket: 50-260 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>93,553.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</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>0</u>	<u>0</u>	<u>153,245,167</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>50,771,798</u>
19. Net Elec Ener (MWH)	<u>-3,710</u>	<u>-27,910</u>	<u>49,275,063</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>58.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>58.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>49.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>49.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>23.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>16,304.4</u>

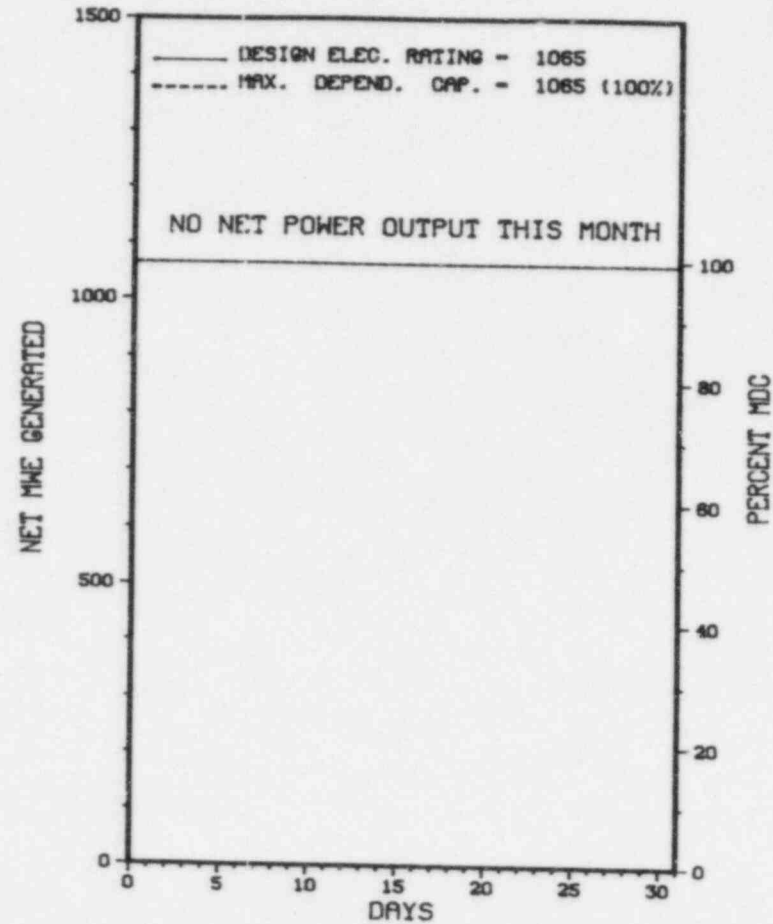
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/01/86

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



OCTOBER 1985

Report Period OCT 1985

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	745.0	C	4				EOC-5 REFUEL OUTAGE.

 * SUMMARY *

 BROWNS FERRY 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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 Program
	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)

* BROW S FERRY 2 *

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

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTONE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
DECATUR, ALA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JULY 20, 1974
DATE ELEC ENER 1ST GENER...AUGUST 28, 1974
DATE COMMERCIAL OPERATE...MARCH 1, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...TENNESSEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. PAULK
LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-260
LICENSE & DATE ISSUANCE...DPR-52, AUGUST 2, 1974
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 9-13 (85-44): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE IN THE AREAS OF REFUELING ACTIVITY, SPENT FUEL POOL ACTIVITY AND LOCAL LEAK RATE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20 - SEPTEMBER 30 (85-45): THIS ROUTINE INSPECTION INVOLVED 80 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE TESTING, REGULATORY PERFORMANCE IMPROVEMENT PROGRAM, AND REFUELING ACTIVITIES. FOUR VIOLATIONS - (1) 10 CFR 50, APPENDIX B, CRITERION XVI FOR FAILURE TO TAKE CORRECTIVE ACTION FOR A DIESEL GENERATOR FALSE START. (2) 10 CFR 50, APPENDIX B, CRITERION V FOR MULTIPLE EXAMPLES: (A) FAILURE TO MAINTAIN REACTOR PROTECTION SYSTEM CIRCUITRY PER PLANT DRAWING. (B) FAILURE TO MAINTAIN RECORD OF A DIESEL GENERATOR SURVEILLANCE INSTRUCTION.

INSPECTION SEPTEMBER 24-27 (85-46): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 HOURS ONSITE INSPECTING: POWER SUPPLY, COMPENSATORY MEASURES, ACCESS CONTROLS, TRAINING AND QUALIFICATION PLAN, AND INDEPENDENT INSPECTION EFFORTS. THERE WERE NO VIOLATIONS IDENTIFIED. ONE INSPECTOR FOLLOW-UP ITEM RELATIVE TO POWER SUPPLY WAS OPENED (85-46-01).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS, SHALL BE PREPARED,

Report Period OCT 1985

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BROWNS FERRY 2 *
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-008	07/11/85	08/09/85	REACTOR WATER CLEANUP ISOLATION DUE TO IMPROPER TRANSFER THE OPERATOR ENTERED THE INCORRECT KPS MG SET EQUIPMENT ROOM AND OPENED THE INCORRECT OUTPUT BREAKER.
85-009	07/12/85	08/09/85	CONTAINMENT ISOLATION DUE TO IMPROPER TRANSFER OF SHUTDOWN BOARD PERSONNEL ERROR RFSULTED IN A 480 V SHUTDOWN BOARD BEING TRANSFERRED TO A DEENERGIZED BUS.
85-011	07/16/85	08/13/85	REACTOR WATER CLEANUP SYSTEM ISOLATION DUE, TWO FUSES IN THE FUSES IN THE ISOLATION CIRCUIT FAILED.

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: TED THOM (205) 729-3624

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>745.0</u>	<u>7,296.0</u>	<u>76,008.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,517.5</u>	<u>45,306.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>508.0</u>	<u>5,149.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,497.0</u>	<u>44,195.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,649,840</u>	<u>131,846,076</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,572,770</u>	<u>43,473,760</u>
19. Net Elec Ener (MWH)	<u>-6,505</u>	<u>1,478,948</u>	<u>42,145,609</u>
20. Unit Service Factor	<u>.0</u>	<u>20.5</u>	<u>58.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>20.5</u>	<u>58.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>19.0</u>	<u>52.1</u>
23. Unit Cap Factor (CER Net)	<u>.0</u>	<u>19.0</u>	<u>52.1</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>79.5</u>	<u>21.0</u>
25. Forced Outage Hours	<u>745.0</u>	<u>5,799.0</u>	<u>11,753.4</u>

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

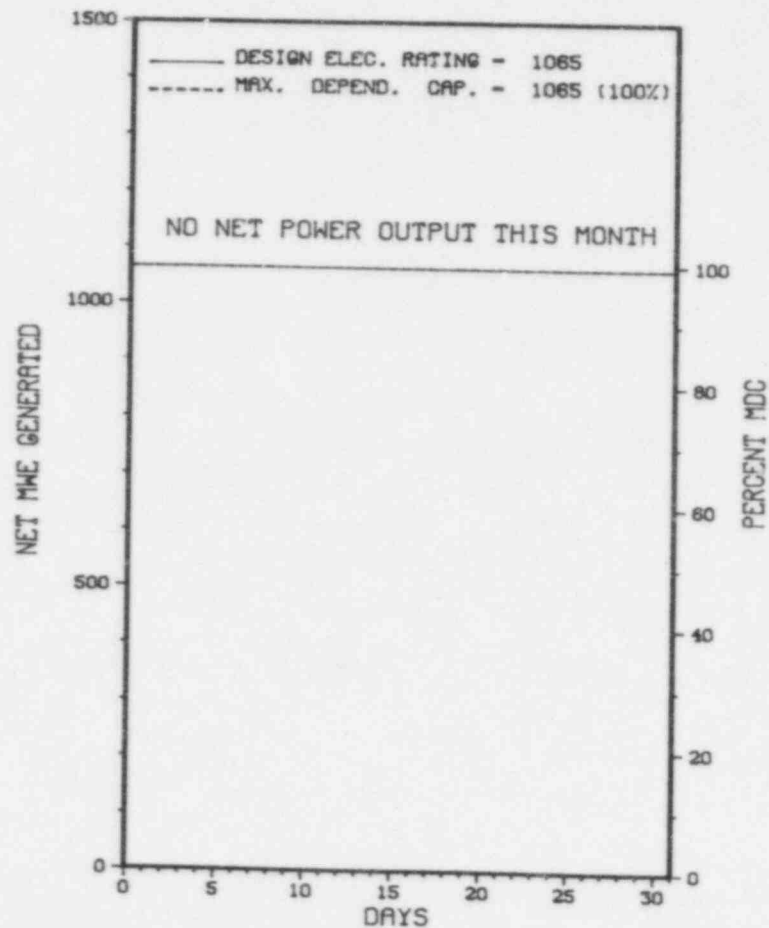
NONE

27. If Currently Shutdown Estimated Startup Date: 03/17/87

 * BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
156	03/15/85	F	745.0	F	4				THE UNIT REMAINS ON ADMINISTRATIVE HOLD UNTIL VARIOUS TVA AND NRC CONCERNS ARE RESOLVED.

* SUMMARY *

BROWNS FERRY 3 REMAINS SHUTDOWN IN A CONTINUING ADMINISTRATIVE OUTAGE.

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)

* BROWNS FERRY 3 *

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

Report Period OCT 1985

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 SEPTEMBER 9-13 (85-44): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE IN THE AREAS OF REFUELING ACTIVITY, SPENT FUEL POOL ACTIVITY AND LOCAL LEAK RATE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 20 - SEPTEMBER 30 (85-45): THIS ROUTINE INSPECTION INVOLVED 80 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE TESTING, REGULATORY PERFORMANCE IMPROVEMENT PROGRAM, AND REFUELING ACTIVITIES. FOUR VIOLATIONS - (1) 10 CFR 50, APPENDIX B, CRITERION XVI FOR FAILURE TO TAKE CORRECTIVE ACTION FOR A DIESEL GENERATOR FALSE START. (2) 10 CFR 50, APPENDIX B, CRITERION V FOR MULTIPLE EXAMPLES: (A) FAILURE TO MAINTAIN REACTOR PROTECTION SYSTEM CIRCUITRY PER PLANT DRAWING. (B) FAILURE TO MAINTAIN RECORD OF A DIESEL GENERATOR SURVEILLANCE INSTRUCTION.

INSPECTION SEPTEMBER 24-27 (85-46): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 8 HOURS ONSITE INSPECTING: POWER SUPPLY, COMPENSATORY MEASURES, ACCESS CONTROLS, TRAINING AND QUALIFICATION PLAN, AND INDEPENDENT INSPECTION EFFORTS. THERE WERE NO VIOLATIONS IDENTIFIED. ONE INSPECTOR FOLLOW-UP ITEM RELATIVE TO POWER SUPPLY WAS OPENED (85-46-01).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS, SHALL BE PREPARED,

ENFORCEMENT SUMMARY

APPROVED, AND ADHERED TO FOR NORMAL STARTUP, OPERATION AND SHUTDOWN OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR THE FOLLOWING TWO EXAMPLES: (A) OPERATING INSTRUCTION OI-65, STANDBY GAS TREATMENT (SBGT) SYSTEM OPERATION DID NOT ADDRESS THAT THE CHARCOAL BED HEATERS HAD TO BE MANUALLY RESET AFTER THE SBGT SYSTEM WAS SECURED. ALTHOUGH LICENSEE EVENT REPORT 259/85-29 IMPLIES THIS WAS NOT PREVIOUSLY KNOWN, FINAL SAFETY ANALYSIS REPORT FIGURE 5.3-9 NOTE SIX DESCRIBES THE MANUAL RESET. (B) ON JULY 30, 1985, SURVEILLANCE INSTRUCTION SI 4.7.B-1, SBGT OPERABILITY TEST WAS BEING USED WHICH DID NOT CONTAIN A CHANGE DATED JULY 7, 1985, THAT REQUIRED THE CHARCOAL BED HEATERS TO BE RESET AFTER SYSTEM SHUTDOWN. A REVIEW OF COMPLETED SI 4.7.B-1 PROCEDURES SINCE THE CHANGE WAS IMPLEMENTED FOUND THREE OUT OF 10 DID NOT CONTAIN THE CHANGE. OPERATIONS PERSONNEL ARE INSTRUCTED BY OPERATIONS SECTION INSTRUCTION LETTER SIL-40, TO COMPARE PAGE-BY-PAGE PROCEDURES USED AGAINST A CONTROLLED COPY OF THE PROCEDURE TO INSURE REVISIONS ARE INCORPORATED.

(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE EVALUATING CAUSE OF REACTOR VESSEL WATER LEVEL INDICATION PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN ON MARCH 9, 1985.

LAST IE SITE INSPECTION DATE: AUGUST 20 - SEPTEMBER 30, 1985 +

INSPECTION REPORT NO: 50-296/85-45 +

Report Period OCT 1985

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
85-009	03/20/85	09/20/85	INTERNAL COMPONENT FAILURES OF RESIDUAL HEAT REMOVAL MOTORS INVESTIGATION FOUND A FAILURE OF THE LOWER RADIAL GUIDE BEARING.
85-017	07/16/85	08/09/85	FAILED SUPPORTS ON THE RESIDUAL HEAT REMOVAL SYSTEM THE SUPPORTS FOR THE 18-INCH TEST RETURN LINE WERE REPAIRED.
85-018	07/24/85	08/13/85	CONTAINMENT ISOLATION BECAUSE OF RANDOM RELAY FAILURE THE DEFECTIVE RELAY AND THE FAILED WERE REPLACED.
85-022	07/23/85	09/13/85	INADVERTENT CONTAINMENT ISOLATION THE EVENT IS CATEGORIZED AS A 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: 10/01/85 Outage + On-line Hrs: 745.0

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	CUMU' ATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>75,601.0</u>
13. Hours Reactor Critical	<u>33.9</u>	<u>2,112.9</u>	<u>45,534.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,064.4</u>	<u>42,954.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,521,597</u>	<u>87,570,785</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,180,426</u>	<u>28,922,520</u>
19. Net Elec Ener (MWH)	<u>-8,236</u>	<u>1,112,160</u>	<u>27,757,934</u>
20. Unit Service Factor	<u>.0</u>	<u>28.3</u>	<u>56.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>28.3</u>	<u>56.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>19.3</u>	<u>46.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>18.6</u>	<u>44.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>18.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>47.1</u>	<u>9,598.5</u>

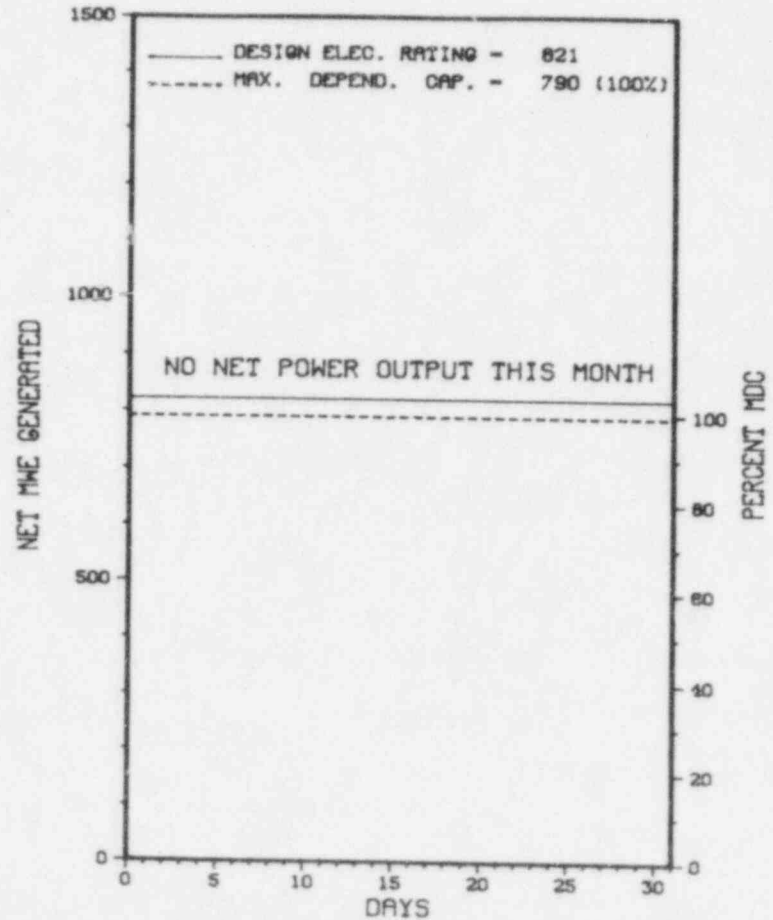
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/08/85

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-006	03/29/85	S	745.0	C	4		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

BRUNSWICK 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

* BRUNSWICK 1 *

FACILITY DATA

Report Period OCT 1985

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 ELFC 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.....W. RULAND
LICENSING PROJ MANAGER.....M. GROTHENHUIS
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 SEPTEMBER 3-6 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ONSITE IN THE AREAS OF PREVIOUS ENFORCEMENT ITEMS, INSPECTOR FOLLOWUP ITEMS, AND REVIEW OF ULTRASONIC DATA FOR AUTOMATED EXAMINATIONS OF WELD OVERLAY REPAIRS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 9-13 AND 23-26 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 87.5 INSPECTOR-HOURS ONSITE IN THE AREAS WITNESSING OF 10 CFR 50 APPENDIX J TYPE A, B, AND C LEAK RATE TESTING; FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOW-UP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 9-13 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14.5 INSPECTOR-HOURS ONSITE AND 1.5 INSPECTOR-HOURS OFFSITE IN THE AREA OF EMERGENCY PREPAREDNESS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 1-30 (85-33): THIS ROUTINE SAFETY INSPECTION INVOLVED 63 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ONSITE FOLLOWUP OF EVENTS AND MAIN STEAM ISOLATION VALVE (MSIV) SOLENOID FAILURES. ONE VIOLATION WAS IDENTIFIED: FAILURE TO MAINTAIN TWO VALVES IN THE OPEN POSITION PER TECHNICAL SPECIFICATION REQUIRED PROCEDURE OP-46; PARAGRAPH 7A. ONE UNRESOLVED ITEM WAS IDENTIFIED: MAIN STEAM ISOLATION VALVE SOLENOID FAILURES; PARAGRAPH 8.

Report Period OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BRUNSWICK 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING/MAINTENANCE CONTINUES.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1-30, 1985 +

INSPECTION REPORT NO: 50-325/85-33 +

Report Period OCT 1985

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

* BRUNSWICK 1 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-016	09/23/85	10/18/85	PRIMARY CONTAINMENT ISOLATION VALVE PROBLEMS, THE VALVES WERE REPAIRED AND RETURNED TO SERVICE.
85-039	07/30/85	09/30/85	PRIMARY CONTAINMENT GROUP 1 ISOLATION AND CORE SPRAY INJECTION DURING REFUELING AN ESTIMATED 25,000 GALLONS OF INVENTORY OV.
85-046	08/21/85	09/19/85	INADEQUATE RESPONSE TIME TESTING INSUFFICIENT TECHNICAL REVIEW AND INADEQUATE PROCEDURAL OVERLAP.
85-047	08/26/85	09/25/85	PRIMARY CONTAINMENT GROUP 1 AND 8 ISOLATIONS; THE SUBJECT TEST PROCEDURE HAS BEEN REVISED.
85-048	09/03/85	10/02/85	AUTOMATIC START SIGNALS TO CONTROL BUILDING EMERGENCY AIR FILTRATION SYSTEM THE FIRE ALARMS ARE ATTRIBUTED TO CONDENSATION FROM THE UNIT 1 COMPUTER ROOM AIR.
85-049	09/05/85	10/03/85	INADEQUATE RESPONSE TIME TESTING, THE SUBJECT LOGIC CIRCUITRY WAS SATISFACTORILY TESTED.
85-050	09/18/85	10/18/85	AUTOMATIC ISOLATIONS OF THE UNITS 1/2 COMMON CONTROL BUILDING HEAT VENTILATING A/C SYSTEM, ADDITIONAL PLANT SURVEILLANCE REQUIREMENTS WERE IMPOSED.
85-052	09/24/85	10/18/85	PRIMARY CONTAINMENT GROUP 6 ISOLATION, THIS EVENT RESULTED FROM A COLD SOLDER JOINT.

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>87,625.0</u>
13. Hours Reactor Critical	<u>491.4</u>	<u>6,471.1</u>	<u>53,848.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>427.2</u>	<u>6,330.5</u>	<u>50,355.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>828,663</u>	<u>14,343,432</u>	<u>97,454,291</u>
18. Gross Elec Ener (MWH)	<u>272,135</u>	<u>4,739,201</u>	<u>32,340,905</u>
19. Net Elec Ener (MWH)	<u>259,475</u>	<u>4,582,288</u>	<u>31,002,562</u>
20. Unit Service Factor	<u>57.3</u>	<u>86.8</u>	<u>57.5</u>
21. Unit Avail Factor	<u>57.3</u>	<u>86.8</u>	<u>57.5</u>
22. Unit Cap Factor (MDC Net)	<u>44.1</u>	<u>79.5</u>	<u>44.8</u>
23. Unit Cap Factor (DER Net)	<u>42.4</u>	<u>76.5</u>	<u>43.1</u>
24. Unit Forced Outage Rate	<u>42.7</u>	<u>9.7</u>	<u>17.1</u>
25. Forced Outage Hours	<u>317.8</u>	<u>679.8</u>	<u>10,828.0</u>

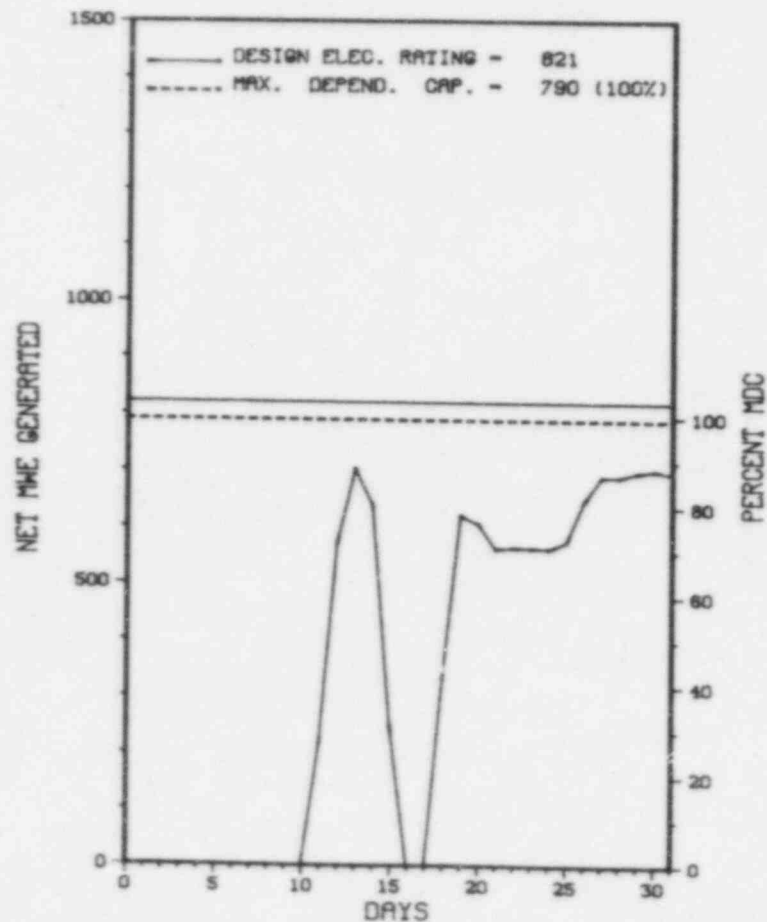
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE: 12/01/85 - 30 WEEKS

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

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-067	09/26/85	F	249.5	A	1				GENERATOR REMOVED FROM SERVICE DUE TO HURRICANE WARNING. ALSO, REPAIRED SEAT LEAKAGE FROM RHR VALVE 2-E11-F015B.
85-070	10/15/85	F	68.5	A	3	2-85-011			MAIN STEAM ISOLATION VALVE 2-B21-F022A SOLENOID VALVE FAILURE.

* SUMMARY *

BRUNSWICK 2 OPERATED WITH 2 OUTAGES FOR EQUIPMENT FAILURE DURING OCTOBER.

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)

* BRUNSWICK 2 *

FACILITY DATA

Report Period OCT 1985

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.....W. RULAND
LICENSING PROJ MANAGER.....M. GROTENHUIS
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 SEPTEMBER 3-6 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ONSITE IN THE AREAS OF PREVIOUS ENFORCEMENT ITEMS, INSPECTOR FOLLOWUP ITEMS, AND REVIEW OF ULTRASONIC DATA FOR AUTOMATED EXAMINATIONS OF WELD OVERLAY REPAIRS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 9-13 AND 23-26 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 87.5 INSPECTOR-HOURS ONSITE IN THE AREAS WITNESSING OF 10 CFR 50 APPENDIX J TYPE A, B, AND C LEAK RATE TESTING; FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOW-UP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 9-13 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14.5 INSPECTOR-HOURS ONSITE AND 1.5 INSPECTOR-HOURS OFFSITE IN THE AREA OF EMERGENCY PREPAREDNESS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 1-30 (85-33): THIS ROUTINE SAFETY INSPECTION INVOLVED 63 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ONSITE FOLLOWUP OF EVENTS AND MAIN STEAM ISOLATION VALVE (MSIV) SOLENOID FAILURES. ONE VIOLATION WAS IDENTIFIED: FAILURE TO MAINTAIN TWO VALVES IN THE OPEN POSITION PER TECHNICAL SPECIFICATION REQUIRED PROCEDURE OP-46; PARAGRAPH 7A. ONE UNRESOLVED ITEM WAS IDENTIFIED: MAIN STEAM ISOLATION VALVE SOLENOID FAILURES; PARAGRAPH 8.

Report Period OCT 1985

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BRUNSWICK 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION - 1 MAIN STEAM LINE ISOLATED. +

LAST IE SITE INSPECTION DATE: SEPTEMBER 1-30, 1985 +

INSPECTION REPORT NO: 50-324/85-33 +

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-050	09/04/85	10/04/85	MANUALLY INITIATED REACTOR SCRAM, ISOLATION VALVES WERE MISIDENTIFIED BY THE INVOLVED OPERATOR, THE PROCEDURE WILL BE REVISED.
85-006	09/06/85	10/02/85	AUTOMATIC ISOLATION OF THE HIGH PRESSURE COOLANT INJECTION SYSTEM DURING PERIODIC TESTING AN ALLIGATOR CLIP FROM TEST EQUIPMENT LEADS SLIPPED OFF TERMINAL SCREW.

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1. Docket: 50-454 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: J. E. LANGAN (815) 234-5441 X2825

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1175

6. Design Electrical Rating (Net MWe): 1120

7. Maximum Dependable Capacity (Gross MWe): 1175

8. Maximum Dependable Capacity (Net MWe): 1129

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>745.0</u>	<u>1,105.0</u>	<u>1,105.0</u>
13. Hours Reactor Critical	<u>593.5</u>	<u>953.5</u>	<u>953.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>587.6</u>	<u>878.7</u>	<u>878.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,764,810</u>	<u>2,539,701</u>	<u>2,539,701</u>
18. Gross Elec Ener (MWH)	<u>580,820</u>	<u>832,508</u>	<u>832,508</u>
19. Net Elec Ener (MWH)	<u>546,287</u>	<u>780,512</u>	<u>780,512</u>
20. Unit Service Factor	<u>78.9</u>	<u>79.5</u>	<u>79.5</u>
21. Unit Avail Factor	<u>78.9</u>	<u>79.5</u>	<u>79.5</u>
22. Unit Cap Factor (MDC Net)	<u>64.9</u>	<u>62.6</u>	<u>62.6</u>
23. Unit Cap Factor (DER Net)	<u>65.5</u>	<u>63.1</u>	<u>63.1</u>
24. Unit Forced Outage Rate	<u>2.9</u>	<u>9.0</u>	<u>9.0</u>
25. Forced Outage Hours	<u>17.6</u>	<u>86.5</u>	<u>86.5</u>

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

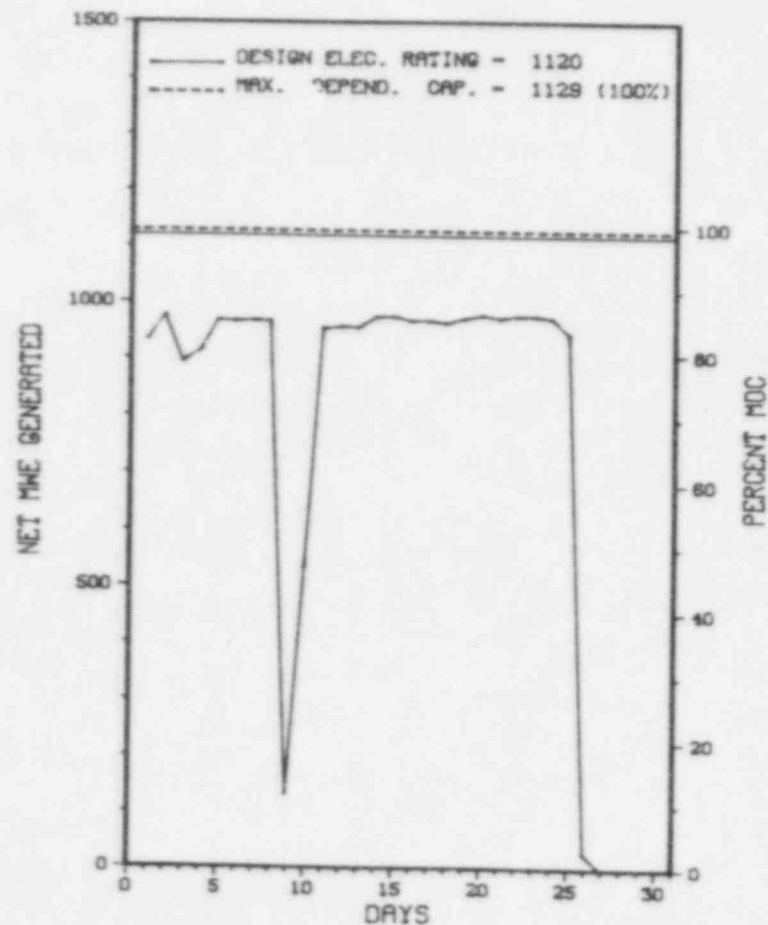
NONE

27. If Currently Shutdown Estimated Startup Date: 12/15/85

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * BYRON 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * BYRON 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
4	10/09/85	F	17.6	H	3			LOSS OF LOOP 1D RCS FLOW INDICATION. INSTRUMENT MECHANIC WORKING ON 1FT-444 VENTED THE HIGH SIDE OF THE INSTRUMENT WHICH TOOK OUT ALL 3 FLOW TRANSMITTERS.
5	10/26/85	S	139.8	D				SCHEDULED OUTAGE FOR E.Q. MODIFICATIONS AND STEAM GENERATOR MODIFICATIONS.

XXXXXXXXXXXX BYRON 1 OPERATED WITH 2 OUTAGES IN OCTOBER, SHUTTING DOWN ON OCTOBER 26TH FOR STEAM GENERATOR
 * SUMMARY *
 XXXXXXXXXXXXXXX MODIFICATIONS.

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BYRON 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....OGLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI SW OF
ROCKFORD, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...FEBRUARY 2, 1985
DATE ELEC ENER 1ST GENER...MARCH 1, 1985
DATE COMMERCIAL OPERATE...SEPTEMBER 16, 1985
CONDENSER COOLING METHOD...CC HNDCT
CONDENSER COOLING WATER...ROCK 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...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HINDS
LICENSING PROJ MANAGER.....L. OLSHAN
DOCKET NUMBER.....50-454
LICENSE & DATE ISSUANCE...NPF-37, FEBRUARY 14, 1985
PUBLIC DOCUMENT ROOM.....LIBRARIAN
BUSINESS SCIENCE & TECHNOLOGY DEPT.
ROCKFORD PUBLIC LIBRARY
215 NORTH WYMAN STREET
ROCKFORD, ILLINOIS 61101

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 9-13 (85034) ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS; EMERGENCY PLAN ACTIVATIONS; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION RECOMMENDATIONS; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); DOSE CALCULATION AND ASSESSMENT; LICENSEE AUDITS; AND MAINTENANCE OF EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 150 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. ONE VIOLATION OF NRC REQUIREMENTS WAS IDENTIFIED.

INSPECTION ON AUGUST 5 THROUGH OCTOBER 2 (85035) ROUTINE, ANNOUNCED SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND STARTUP TEST RESULTS EVALUATION. THE INSPECTION CONSISTED OF 87 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATION WERE IDENTIFIED.

INSPECTION ON AUGUST 28-29 (85038) NONROUTINE, ANNOUNCED INSPECTION OF AN OCCURRENCE INVOLVING INITIATION OF A LIQUID RADWASTE RELEASE WITHOUT REQUIRED DILUTION PRIOR TO RELEASE TO AN UNRESTRICTED AREA. ALSO INSPECTED WAS THE GASEOUS AND LIQUID RADWASTE STARTUP PROGRAM FOR UNIT 1. THE INSPECTION INVOLVED 15 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW LIQUID RADWASTE RELEASE PROCEDURES AND FAILURE TO TAKE TIMELY ACTION WHEN A TECHNICAL SPECIFICATION LCO RELEASE LIMIT WAS EXCEEDED).

Report Period OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BYRON 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-84	09/24/85	10/24/85	DELAYED FIRE WATCH DUE TO KEY STUCK IN VITAL AREA DOOR LOCK
85-89	09/13/85	10/08/85	BOTH TRAINS OF CONTROL ROOM VENTILATION INOPERABLE

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1. Docket: 50-483 OPERATING STATUS
 2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
 3. Utility Contact: ROB GOODENOW (314) 676-8460
 4. Licensed Thermal Power (Mwt): 3411
 5. Nameplate Rating (Gross MWe): 1373 X .9 = 1236
 6. Design Electrical Rating (Net MWe): 1171
 7. Maximum Dependable Capacity (Gross MWe): 1174
 8. Maximum Dependable Capacity (Net MWe): 1120
 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>745.0</u>	<u>7,296.0</u>	<u>7,598.5</u>
13. Hours Reactor Critical	<u>716.8</u>	<u>6,768.8</u>	<u>7,071.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>669.3</u>	<u>6,603.6</u>	<u>6,906.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,206,396</u>	<u>20,772,609</u>	<u>21,774,134</u>
18. Gross Elec Ener (MWH)	<u>758,545</u>	<u>7,045,187</u>	<u>7,384,367</u>
19. Net Elec Ener (MWH)	<u>720,034</u>	<u>6,686,596</u>	<u>7,009,619</u>
20. Unit Service Factor	<u>89.8</u>	<u>90.5</u>	<u>90.9</u>
21. Unit Avail Factor	<u>89.8</u>	<u>90.5</u>	<u>90.9</u>
22. Unit Cap Factor (MDC Net)	<u>86.3</u>	<u>81.8</u>	<u>82.4</u>
23. Unit Cap Factor (DER Net)	<u>82.5</u>	<u>78.3</u>	<u>78.8</u>
24. Unit Forced Outage Rate	<u>4.8</u>	<u>5.1</u>	<u>4.9</u>
25. Forced Outage Hours	<u>33.7</u>	<u>354.1</u>	<u>354.1</u>

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

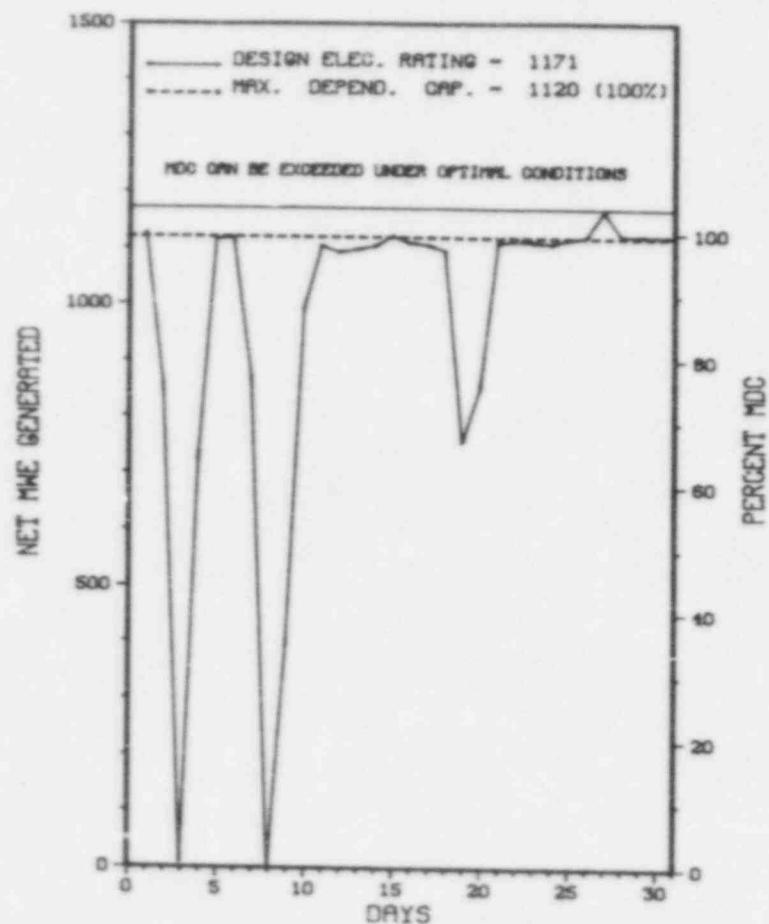
REFUEL, 2/28/86, APPROXIMATELY 42 DAYS.

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

 X CALLAWAY 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
21	10/02/85	F	23.7	G	3	85-042-00		UNIT TRIPPED WHILE I&C WAS PERFORMING TROUBLESHOOTING IN CONJUNCTIONS WITH A RTD CROSS CALIBRATION PROCEDURE.
22	10/07/85	F	10.0	A	2			TURBINE GENERATOR WAS TAKEN OFF LINE DUE TO AN EHC OIL LEAK ON MAIN TURBINE CONTROL VALVE NO. 2.
23	10/15/85	S	42.0	B	1			UNIT LOAD REDUCED TO 68% TO PERFORM MAINTENANCE ON SECONDARY SYSTEM EQUIPMENT.

 * SUMMARY *

 CALLAWAY OPERATED WITH 3 OUTAGES IN OCTOBER.

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* CALLAWAY 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MISSOURI
COUNTY.....CALLAWAY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
FULTON, MO
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 2, 1984
DATE ELEC ENER 1ST GENER...OCTOBER 24, 1984
DATE COMMERCIAL OPERATE...DECEMBER 19, 1984
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...MISSOURI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....UNION ELECTRIC
CORPORATE ADDRESS.....P.O. BOX 149
ST LOUIS, MISSOURI 63166
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....B. LITTLE
LICENSING PROJ MANAGER.....T. ALEXION
DOCKET NUMBER.....59-483
LICENSE & DATE ISSUANCE...NPF-30, OCTOBER 18, 1984
PUBLIC DOCUMENT ROOM.....FULTON CITY LIBRARY
709 MARKET STREET
FULTON, MO 65251

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

INSPECTION SUMMARY

INSPECTOR OF PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 260 INSPECTOR-HOURS BY ONE NRC INSPECTOR (INCLUDING 62 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. TWO VIOLATIONS (ONLY ONE OF WHICH WAS CITED) WERE IDENTIFIED (FAILURE TO PROVIDE ADEQUATE ACCEPTANCE CRITERIA IN THE QC PROGRAM/PROCEDURES).

INSPECTION ON JUNE 25 THROUGH SEPTEMBER 3 (85016): ROUTINE UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE EVENT REPORTS, LICENSEE EVENTS, REGIONAL REQUESTS, TECHNICAL SPECIFICATIONS, AND PLANT TOURS. THE INSPECTION INVOLVED A TOTAL OF 294 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 64 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. ONE VIOLATION WAS IDENTIFIED INVOLVING THE LACK OF OPERATOR ATTENTION WHERE THE ALLOWABLE AXIAL FLUX DIFFERENCE WAS EXCEEDED AS DESCRIBED IN PARAGRAPH 3.B. ONE UNRESOLVED ITEM WAS IDENTIFIED DURING THE INSPECTION OF LICENSEE EVENT REPORT NO. 85-028, WHERE A POTENTIAL GENERIC PROBLEM EXISTS WITH THE FAILURE OF THE WIDE RANGE GAS MONITOR PUMP DIAPHRAGM AS DESCRIBED IN PARAGRAPH 2. THE LICENSEE WAS ACTIVELY INVOLVED IN AN EVENT REDUCTION PROGRAM AND HAS IMPLEMENTED A COMPREHENSIVE MAINTENANCE PLANNING AND SCHEDULING PROGRAM.

ENFORCEMENT SUMMARY

NONE

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MHT): 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>745.0</u>	<u>7,296.0</u>	<u>91,909.0</u>
13. Hours Reactor Critical	<u>601.4</u>	<u>3,903.6</u>	<u>71,401.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>314.3</u>	<u>2,299.2</u>
15. Hrs Generator On-Line	<u>593.6</u>	<u>3,724.7</u>	<u>69,895.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,559,254</u>	<u>9,609,522</u>	<u>173,392,259</u>
18. Gross Elec Ener (MWH)	<u>523,162</u>	<u>3,221,832</u>	<u>57,265,212</u>
19. Net Elec Ener (MWH)	<u>500,365</u>	<u>3,075,983</u>	<u>54,632,550</u>
20. Unit Service Factor	<u>79.7</u>	<u>51.1</u>	<u>76.0</u>
21. Unit Avail Factor	<u>79.7</u>	<u>51.1</u>	<u>76.0</u>
22. Unit Cap Factor (MDC Net)	<u>81.4</u>	<u>51.1</u>	<u>72.6*</u>
23. Unit Cap Factor (DER Net)	<u>79.5</u>	<u>49.9</u>	<u>70.3</u>
24. Unit Forced Outage Rate	<u>20.3</u>	<u>7.8</u>	<u>8.4</u>
25. Forced Outage Hours	<u>151.4</u>	<u>314.5</u>	<u>6,295.1</u>

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

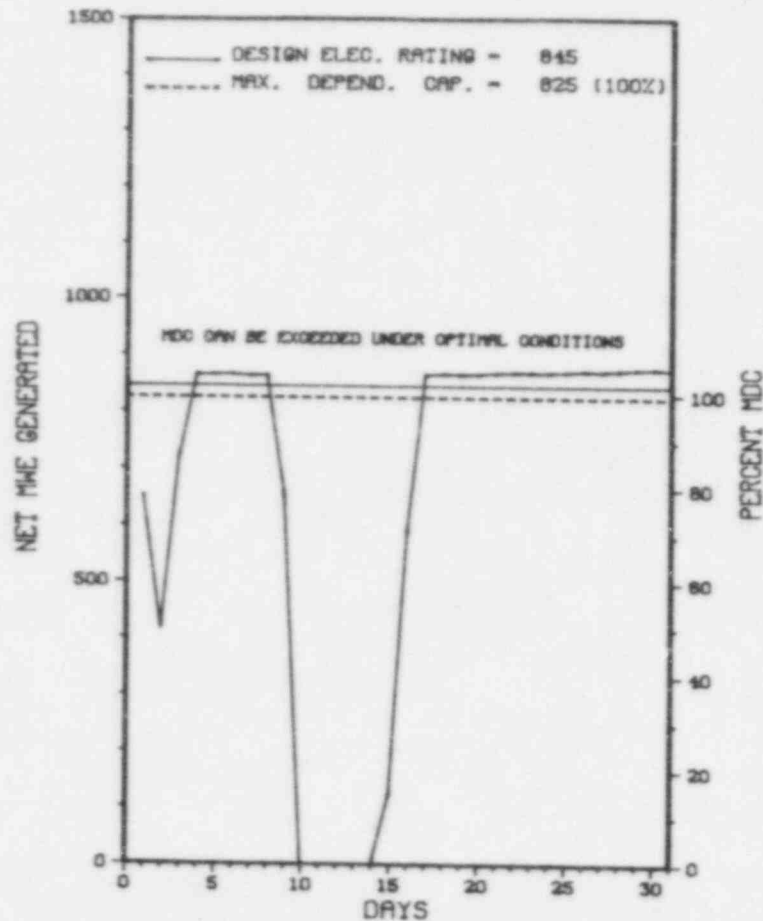
NONE

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

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-11	10/01/85	F	0.2	A	3	85-11	HH	INSTRU	A GROUND IN THE LOW PRESSURE FEEDWATER HEATER LEVEL SYSTEM CAUSED A TURBINE TRIP WHICH TRIPPED THE REACTOR ON LOSS OF LOAD.
85-12	10/02/85	F	13.6	A	3	85-12	HH	INSTRU	A GROUND IN THE LOW PRESSURE FEEDWATER HEATER LEVEL SYSTEM CAUSED A TURBINE TRIP WHICH TRIPPED THE REACTOR ON LOSS OF LOAD.
85-13	10/09/85	F	137.6	A	1	85-13	CB	PIPEXX	UNIT WAS REMOVED FROM SERVICE TO REPAIR THE CONTROLLED BLEED-OFF LINE ON 11A REACTOR COOLANT PUMP.

 * SUMMARY *

 CALVERT CLIFFS 1 OPERATED WITH 3 OUTAGES DURING OCTOBER.

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 *

FACILITY DATA

Report Period OCT 1985

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 OCT 1985

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 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: EVELYN BENLEY (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>745.0</u>	<u>7,296.0</u>	<u>75,264.0</u>
13. Hours Reactor Critical	<u>443.4</u>	<u>6,332.9</u>	<u>62,890.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>292.6</u>	<u>1,260.9</u>
15. Hrs Generator On-Line	<u>433.7</u>	<u>6,303.5</u>	<u>61,921.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,152,634</u>	<u>16,678,113</u>	<u>155,399,049</u>
18. Gross Elec Ener (MWH)	<u>380,239</u>	<u>5,497,569</u>	<u>51,155,772</u>
19. Net Elec Ener (MWH)	<u>363,973</u>	<u>5,260,560</u>	<u>48,802,768</u>
20. Unit Service Factor	<u>58.2</u>	<u>86.4</u>	<u>82.3</u>
21. Unit Avail Factor	<u>58.2</u>	<u>86.4</u>	<u>82.3</u>
22. Unit Cap Factor (MDC Net)	<u>59.2</u>	<u>87.4</u>	<u>78.9*</u>
23. Unit Cap Factor (DER Net)	<u>57.8</u>	<u>85.3</u>	<u>76.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.7</u>	<u>6.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>384.4</u>	<u>3,981.3</u>

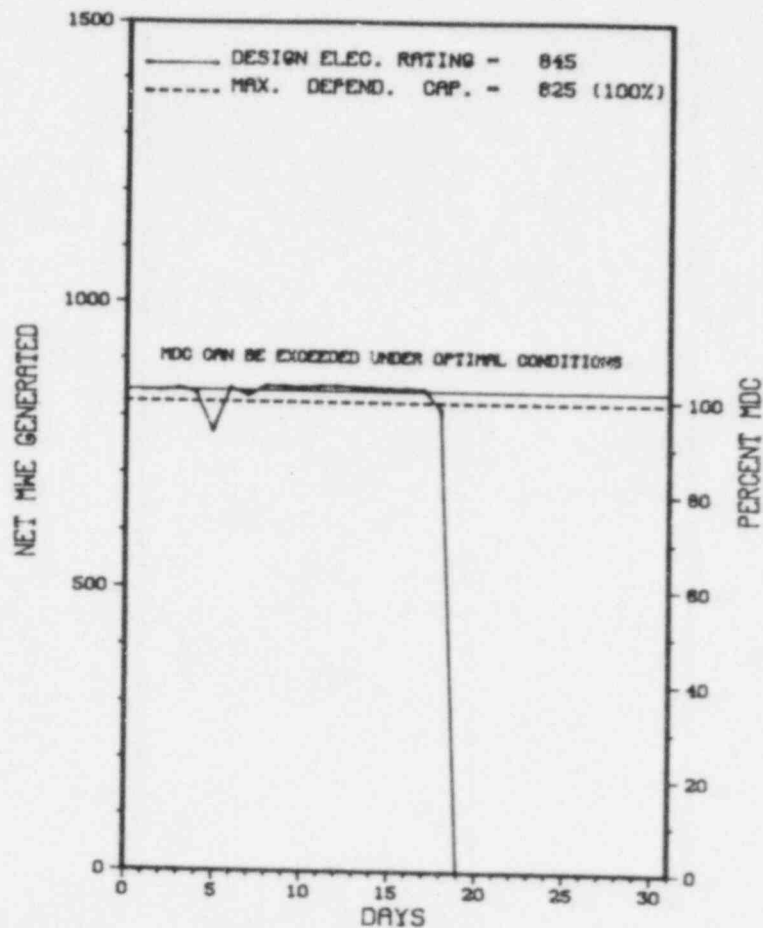
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/01/85

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-15	10/19/85	S	311.3	C	1		RC	FUELXX	6TH SCHEDULED REFUELING COMMENCES.

* SUMMARY *

CALVERT CLIFFS 2 SHUTDOWN ON OCTOBER 19TH 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)

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period OCT 1985

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 OCT 1985

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

* CALVERT CLIFFS 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			

=====

1. Docket: 50-413 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: J. A. REAVIS (704) 373-7567

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1205

6. Design Electrical Rating (Net MWe): 1145

7. Maximum Dependable Capacity (Gross MWe): 1145

8. Maximum Dependable Capacity (Net MWe): 1145

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>745.0</u>	<u>3,001.0</u>	<u>3,001.0</u>
13. Hours Reactor Critical	<u>390.9</u>	<u>2,611.1</u>	<u>2,611.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>381.8</u>	<u>2,537.8</u>	<u>2,537.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,246,361</u>	<u>8,268,591</u>	<u>8,268,591</u>
18. Gross Elec Ener (MWH)	<u>434,190</u>	<u>2,850,316</u>	<u>2,850,316</u>
19. Net Elec Ener (MWH)	<u>399,948</u>	<u>2,675,530</u>	<u>2,675,530</u>
20. Unit Service Factor	<u>51.2</u>	<u>84.6</u>	<u>84.6</u>
21. Unit Avail Factor	<u>51.2</u>	<u>84.6</u>	<u>84.6</u>
22. Unit Cap Factor (MDC Net)	<u>46.9</u>	<u>77.9</u>	<u>77.9</u>
23. Unit Cap Factor (DER Net)	<u>46.9</u>	<u>77.9</u>	<u>77.9</u>
24. Unit Forced Outage Rate	<u>48.8</u>	<u>15.4</u>	<u>15.4</u>
25. Forced Outage Hours	<u>363.2</u>	<u>463.2</u>	<u>463.2</u>

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

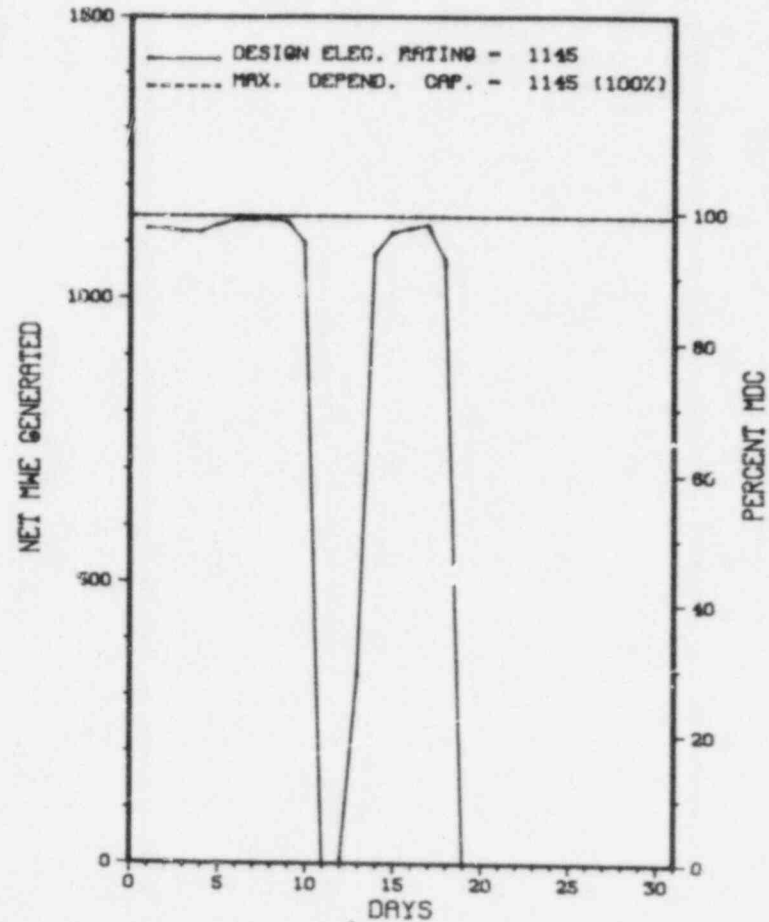
_____ NONE _____

27. If Currently Shutdown Estimated Startup Date: 11/15/85

 X CATAWBA 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 X CATAWBA 1 X

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
38-P	10/04/85	S	0.0	B	5		CC	VALVEX	CONTROL VALVE MOVEMENT TEST.
4	10/10/85	F	50.1	A	1		CJ	INSTRU	REACTOR COOLANT "C" LOOP FLOW TRANS. TUBING LEAK (UNIDENTIFIED LEAKAGE GREATER THAN LIMIT).
39-P	10/13/85	F	0.0	A	5		CH	VALVEX	INOPERABLE STEAM GENERATOR "D" FEEDWATER CONTROL VALVE.
5	10/18/85	F	313.1	A	1		CJ	VALVEX	VARIOUS REACTOR COOLANT FLANGE, VALVES, AND FITTINGS LEAKS.

 * SUMMARY *

 CATAWBA 1 OPERATED WITH 2 OUTAGES AND 2 REDUCTIONS, SHUTTING DOWN ON OCTOBER 18TH 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-G161)

* CATANBA 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI NNW OF
ROCK HILL, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 7, 1985
DATE ELEC ENER 1ST GENER...JANUARY 22, 1985
DATE COMMERCIAL OPERATE...JUNE 29, 1985
CONDENSER COOLING METHOD...MDCT
CONDENSER COOLING WATER...LAKE WYLIE
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.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. SKINNER
LICENSING PROJ MANAGER.....K. JABBOUR
DOCKET NUMBER.....50-413
LICENSE & DATE ISSUANCE...NPF-35, DECEMBER 5, 1984
PUBLIC DOCUMENT ROOM.....YORK COUNTY LIBRARY
138 E. BLACK STREET
ROCK HILL, SOUTH CAROLINA 29730

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 26 - SEPTEMBER 25 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 98 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF FOLLOWUP OF LICENSEE AND NRC IDENTIFIED ITEMS (UNITS 1 AND 2); PLANT OPERATIONS REVIEW (UNIT 1); MAINTENANCE OBSERVATIONS (UNIT 1); SURVEILLANCE OBSERVATION (UNIT 1); DESIGN, DESIGN CHANGES, AND MODIFICATIONS (UNIT 1); OFFSITE REVIEW COMMITTEE (UNITS 1 AND 2); PREOPERATIONAL TEST PROGRAM PROCEDURE REVIEW AND OBSERVATIONS (UNIT 2); COMPARISON OF AS-BUILT PLANT TO FSAR DESCRIPTION (UNIT 2); FUEL RECEIPT AND STORAGE (UNIT 2); INFORMATION MEETINGS WITH LOCAL OFFICIALS (UNITS 1 AND 2); AND REVIEW OF LICENSEE EVENTS (UNITS 1 AND 2). OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-315 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 3250

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

6. Design Electrical Rating (Net MWe): 1030

7. Maximum Dependable Capacity (Gross MWe): 1056

8. Maximum Dependable Capacity (Net MWe): 1020

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>94,968.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,868.0</u>	<u>67,572.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,856.2</u>	<u>66,217.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,418,521</u>	<u>193,587,995</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,761,840</u>	<u>63,533,730</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,694,853</u>	<u>61,125,948</u>
20. Unit Service Factor	<u>.0</u>	<u>25.4</u>	<u>71.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>25.4</u>	<u>71.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>22.8</u>	<u>64.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>22.6</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,499.4</u>

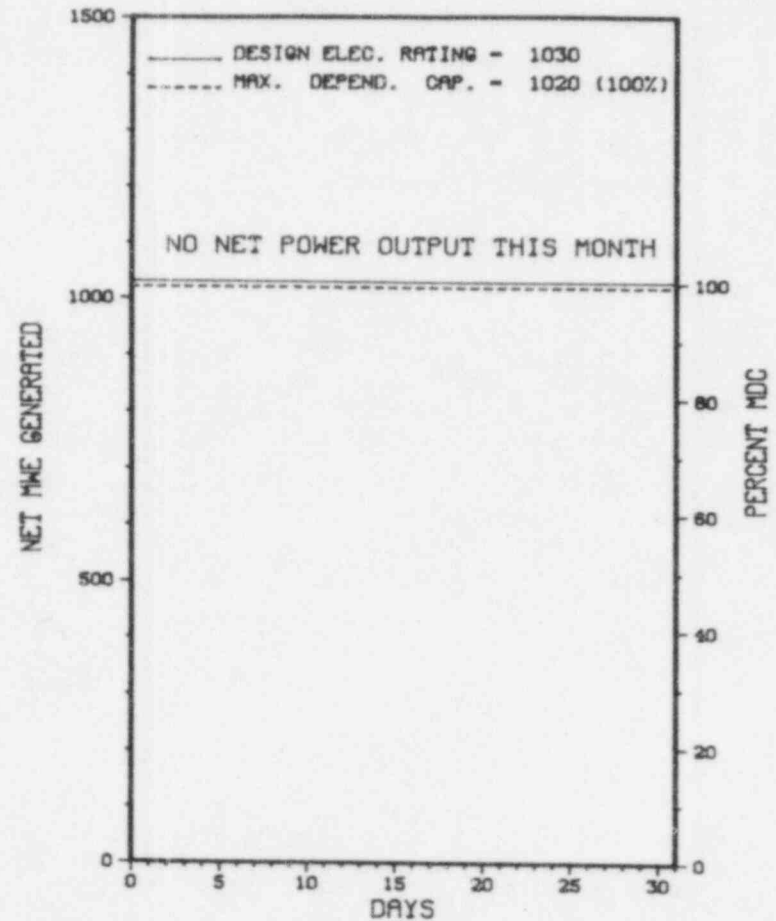
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/14/85

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
246	04/06/85	S	745.0	B	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON 250406 FOR THE SCHEDULED TEN-YEAR ISI AND CYCLE VIII - IX REFUELING OUTAGE. THE OUTAGE HAS BEEN EXTENDED TO COMPLETE REQUIRED DESIGN CHANGES. THE ESTIMATED RETURN TO SERVICE DATE IS NOVEMBER 14, 1985.

***** COOK 1 REMAINS SHUTDOWN IN A CONTINUING 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)

* COOK 1 *

FACILITY DATA

Report Period OCT 1985

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.....B. JURGENSEN
LICENSING PROJ MANAGER....D. WIGGINTON
DOCKET NUMBER.....50-315
LICENSE & DATE ISSUANCE...DPR-58, OCTOBER 25, 1974
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENKE 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 JULY 23 THROUGH SEPTEMBER 2 (85022): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; REFUELING; SURVEILLANCE; MAINTENANCE; AND NRC REGION III REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 322 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 44 INSPECTOR-HOURS DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ANY OF THE AREAS INSPECTED. FLAMMABLE MATERIALS CONTROL IS AN AREA OF CONCERN FOR WHICH CORRECTIVE ACTION EFFECTIVENESS WILL BE FOLLOWED CLOSELY. LICENSEE CONTROL OF SPECIAL PLANT CONDITIONS/PREREQUISITES NEEDS ATTENTION AS DOES THE TEST DOCUMENTATION PROCESS.

INSPECTION ON SEPTEMBER 3-6 AND 13 (85024): ROUTINE, ANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL AND DOSIMETRY; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS, AND MONITORING; AND THE ALARA PROGRAM. ALSO, CERTAIN TMI ACTION PLAN ITEMS, OPEN ITEMS, THE DECONTAMINATION PROGRAM, USE OF THE HNS WASTE SORTER, AND IE INFORMATION NOTICES NO. 85-42 AND 85-43 WERE REVIEWED. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW A RADIATION PROTECTION PROCEDURE, FAILURE TO PERFORM NEEDED EVALUATIONS OF RADIATION HAZARDS PRESENT, AND FAILURE TO ADHERE TO OR ESTABLISH ADEQUATE PROCEDURES).

INSPECTION ON AUGUST 14 THROUGH SEPTEMBER 5 (85025): ROUTINE ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) PERFORMANCE; CILRT RESULTS; TECHNICAL SPECIFICATIONS; LOCAL LEAK RATE TEST RESULTS; AND AS FOUND CILRT RESULTS. THE INSPECTION INVOLVED 74 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, INCLUDING 34 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. AN ADDITIONAL 15 INSPECTOR-HOURS WERE EXPENDED IN THE

Report Period OCT 1985

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

* COOK 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-42	08/29/85	09/30/85	IMPROPERLY ADJUSTED CONTROL ROOM EMERGENCY AIR INTAKE DAMPER
85-45	09/05/85	10/04/85	STEAM GENERATOR/PRESSURIZER ENCLOSURE - FORM PLATE EVALUATION
85-46	09/07/85	10/07/85	LOSS OF RESIDUAL HEAT REMOVAL FROM PARTIAL LOSS OF INSTRUMENT POWER
85-47	09/16/85	10/16/85	FAILURE TO MEET TECHNICAL SPECIFICATION REQUIRED INSTRUMENT CALIBRATION FREQUENCY
85-48	09/17/85	10/18/85	INCORRECT REPLACEMENT PART INSTALLED ON THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMP

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1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: W. T. GILLET (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>745.0</u>	<u>7,296.0</u>	<u>68,664.0</u>
13. Hours Reactor Critical	<u>158.0</u>	<u>4,665.6</u>	<u>47,745.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>141.8</u>	<u>4,589.1</u>	<u>46,588.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>163,249</u>	<u>14,800,557</u>	<u>150,282,464</u>
18. Gross Elec Ener (MWH)	<u>42,250</u>	<u>4,813,770</u>	<u>48,599,020</u>
19. Net Elec Ener (MWH)	<u>37,369</u>	<u>4,641,531</u>	<u>46,859,247</u>
20. Unit Service Factor	<u>19.0</u>	<u>62.9</u>	<u>70.4</u>
21. Unit Avail Factor	<u>19.0</u>	<u>62.9</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>4.7</u>	<u>60.0</u>	<u>66.8</u>
23. Unit Cap Factor (DER Net)	<u>4.6</u>	<u>57.8</u>	<u>65.4</u>
24. Unit Forced Outage Rate	<u>81.0</u>	<u>37.1</u>	<u>15.9</u>
25. Forced Outage Hours	<u>603.2</u>	<u>2,706.9</u>	<u>8,767.4</u>

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

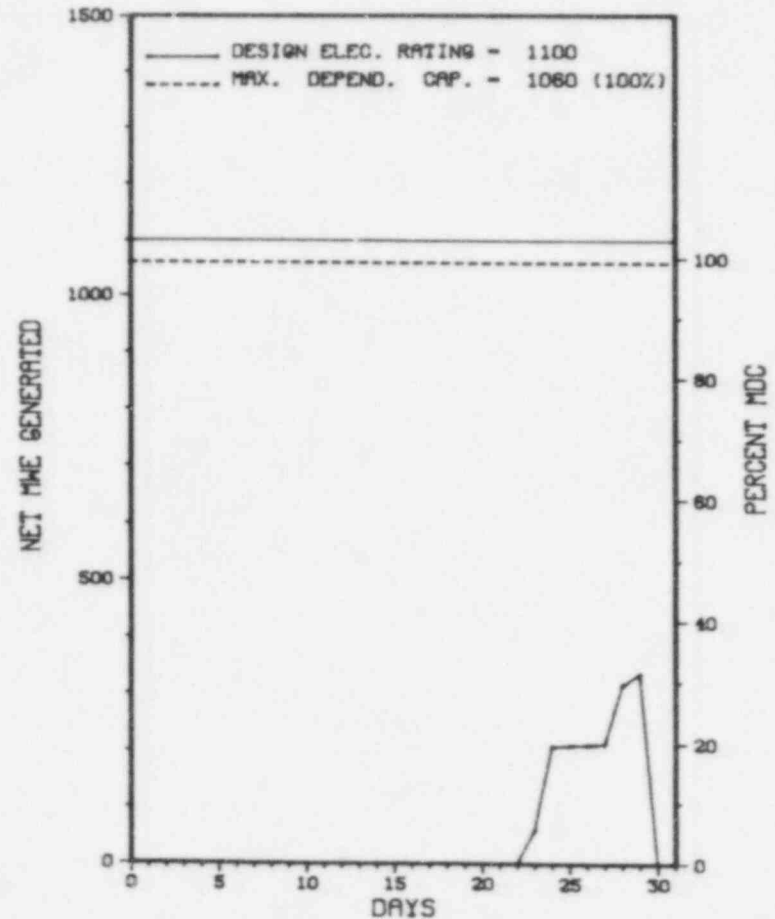
REFUELING: FEBRUARY 1986.

27. If Currently Shutdown Estimated Startup Date: 11/08/85

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X COOK 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
164	08/24/85	F	545.2	A	4		CC	HTEXCH	THE UNIT WAS REMOVED FROM SERVICE ON 850824 FOR STEAM GENERATOR TUBE LEAK REPAIRS AND TO PERFORM REQUIRED DESIGN CHANGES. THE UNIT WAS RETURNED TO SERVICE ON 851023 AT 1712 HOURS EDT.
165	10/29/85	F	58.0	A	3		ZZ	ZZZZZ	DURING POWER ASCENSION FROM THE PREVIOUS OUTAGE, A REACTOR TRIP OCCURRED FROM 79% POWER. THE TRIP WAS TRIGGERED BY A SPURIOUS INDICATED LOW-FLOW CONDITION IN R.C. LOOP 2 DUE TO A MOMENTARY DROP IN THE OUTPUT VOLTAGE FROM VITAL INSTRUMENT BUS, CRID II.

 * SUMMARY *

 COOK 2 OPERATED WITH 2 OUTAGES DURING OCTOBER, SHUTTING DOWN ON THE 29TH 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* COOK 2 *

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

Report Period OCT 1985

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.....B. JURGENSEN
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-316
LICENSE & DATE ISSUANCE...DPR-74, DECEMBER 23, 1977
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

INSPECTION ON JULY 23 THROUGH SEPTEMBER 2 (85022): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; REFUELING; SURVEILLANCE; MAINTENANCE; AND NRC REGION III REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 322 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 44 INSPECTOR-HOURS DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ANY OF THE AREAS INSPECTED. FLAMMABLE MATERIALS CONTROL IS AN AREA OF CONCERN FOR WHICH CORRECTIVE ACTION EFFECTIVENESS WILL BE FOLLOWED CLOSELY. LICENSEE CONTROL OF SPECIAL PLANT CONDITIONS/PREREQUISITES NEEDS ATTENTION AS DOES THE TEST DOCUMENTATION PROCESS.

INSPECTION ON SEPTEMBER 3-6 AND 13 (85024): ROUTINE, ANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL AND DOSIMETRY; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS, AND MONITORING; AND THE ALARA PROGRAM. ALSO, CERTAIN TMI ACTION PLAN ITEMS, OPEN ITEMS, THE DECONTAMINATION PROGRAM, USE OF THE HNS WASTE SORTER, AND IE INFORMATION NOTICES NO. 85-42 AND 85-43 WERE REVIEWED. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW A RADIATION PROTECTION PROCEDURE, FAILURE TO PERFORM NEEDED EVALUATIONS OF RADIATION HAZARDS PRESENT, AND FAILURE TO ADHERE TO OR ESTABLISH ADEQUATE PROCEDURES).

INSPECTION ON AUGUST 14 THROUGH SEPTEMBER 5 (85025): ROUTINE ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) PERFORMANCE; CILRT RESULTS; TECHNICAL SPECIFICATIONS; LOCAL LEAK RATE TEST RESULTS; AND AS FOUND CILRT RESULTS. THE INSPECTION INVOLVED 74 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, INCLUDING 34 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. AN ADDITIONAL 15 INSPECTOR-HOURS WERE EXPENDED IN THE

INSPECTION SUMMARY

REGION III OFFICE. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS. IN THE REMAINING AREA, ONE VIOLATION WAS IDENTIFIED; (FAILURE TO CONTROL THE CALIBRATED CONDITION OF THE FLOWMETER USED FOR THE SUPPLEMENTAL VERIFICATION TEST).

INSPECTION ON SEPTEMBER 4-20 (85026): ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, DESIGN CHANGES AND MODIFICATIONS, QUALITY ASSURANCE RECORDS, OFFICE SUPPORT ACTIVITIES, AND THE AUDIT PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 52 INSPECTOR-HOURS ONSITE AND 38 INSPECTOR-HOURS AT THE CORPORATE HEADQUARTERS IN COLUMBUS, OHIO. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS. THREE VIOLATIONS WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO PROPERLY STORE SPECIAL PROCESS RECORDS; FAILURE TO PROVIDE PROPER CORRECTIVE ACTION; AND FAILURE TO PROVIDE ADEQUATE CONTROL OVER DESIGN CHANGES AND MODIFICATIONS).

INSPECTION ON AUGUST 27 AND SEPTEMBER 3 (85027): SPECIAL ANNOUNCED SAFETY INSPECTION OF THE EVENTS RESULTING IN INCORRECT SYSTEM LINEUPS TO SUPPORT A CONTAINMENT INTEGRATED LEAK RATE TEST. THE INSPECTION INVOLVED FOUR INSPECTOR-HOURS ONSITE BY ONE INSPECTOR AND FIVE INSPECTOR-HOURS CONDUCTING IN-OFFICE REVIEW. IN THE AREA INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED REGARDING FAILURE TO CONTROL A TEST BOUNDARY).

INSPECTION ON AUGUST 19-28 (85028): THIS SPECIAL UNANNOUNCED SAFETY INSPECTION INVOLVED 250 HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND SURVEILLANCE PROGRAMS FOR THE REACTOR TRIP SYSTEM, AUXILIARY FEEDWATER SYSTEM, AND THE ENGINEERED SAFETY FEATURE ACTUATION SYSTEM CHANNEL FUNCTIONAL TESTS. FIVE POTENTIAL ENFORCEMENT FINDINGS, REFERRED TO AN UNRESOLVED ITEMS IN THE REPORT, WERE IDENTIFIED DURING THE INSPECTION. THESE ITEMS WILL BE FOLLOWED UP BY THE NRC REGION III OFFICE.

INSPECTION ON SEPTEMBER 9 THROUGH 11 (85030): ROUTINE, ANNOUNCED SAFETY INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS AND 10 CFR PART 21 REPORTS. THE INSPECTION INVOLVED A TOTAL OF 23 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 3 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE AREAS INSPECTED, ONE VIOLATION (FAILURE TO TAKE TIMELY CORRECTIVE ACTION TO RESOLVE 10 CFR PART 21 ISSUES (FOUR EXAMPLES) WAS IDENTIFIED).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR EQUIPMENT REPAIR.

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1. Docket: 50-298 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: J. K. SALISBURY (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>745.0</u>	<u>7,296.0</u>	<u>99,385.0</u>
13. Hours Reactor Critical	<u>113.5</u>	<u>1,100.8</u>	<u>74,056.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>113.5</u>	<u>973.7</u>	<u>72,794.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>232,562</u>	<u>1,384,946</u>	<u>142,824,957</u>
18. Gross Elec Ener (MWH)	<u>82,455</u>	<u>432,366</u>	<u>45,456,862</u>
19. Net Elec Ener (MWH)	<u>75,573</u>	<u>410,293</u>	<u>43,796,905</u>
20. Unit Service Factor	<u>15.2</u>	<u>13.3</u>	<u>73.2</u>
21. Unit Avail Factor	<u>15.2</u>	<u>13.3</u>	<u>73.2</u>
22. Unit Cap Factor (MDC Net)	<u>13.3</u>	<u>7.4</u>	<u>57.7</u>
23. Unit Cap Factor (DER Net)	<u>13.0</u>	<u>7.2</u>	<u>56.6</u>
24. Unit Forced Outage Rate	<u>84.8</u>	<u>39.3</u>	<u>4.4</u>
25. Forced Outage Hours	<u>631.5</u>	<u>631.5</u>	<u>2,722.2</u>

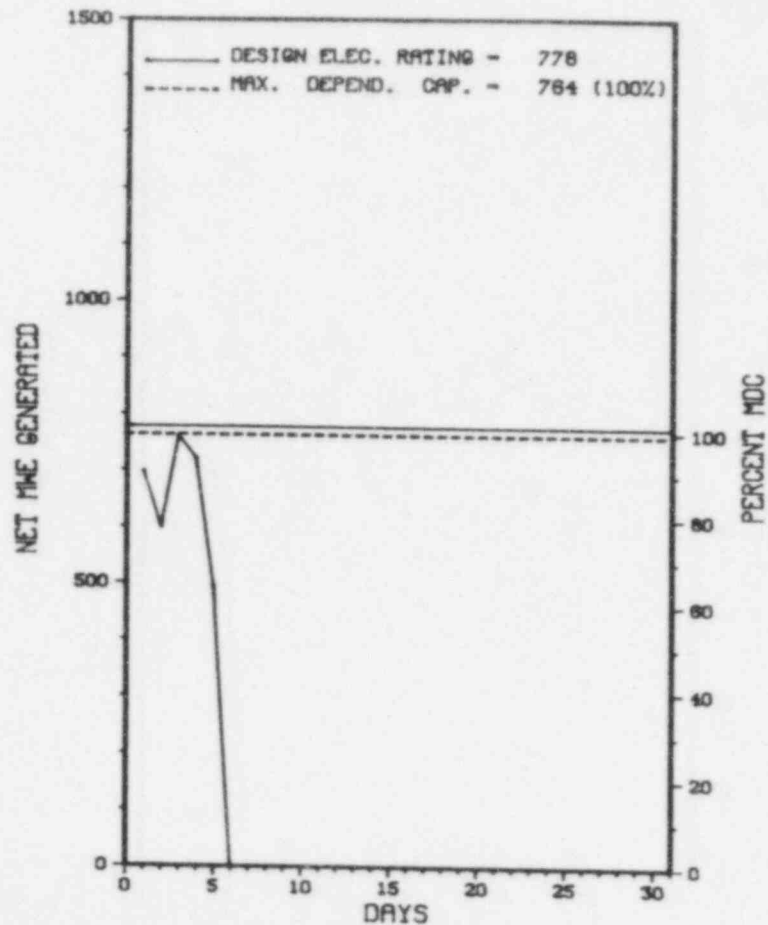
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/20/85

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * COOPER STATION *

No	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-01	10/05/85	F	631.5	A	2				HIGH VIBRATION ON THE MAIN TURBINE REQUIRED PLANT SHUTDOWN. THE PLANT WAS MANUALLY SCRAMMED AT 1730.

 * SUMMARY *

 COOPER STATION SHUTDOWN ON OCTOBER 5TH FOR AN EQUIPMENT FAILURE 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)

* COOPER STATION *

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

Report Period OCT 1985

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 JUNE 1-JULY 31, 1985 (85-18) ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, SURVEY OF LICENSEE'S RESPONSE TO SELECTED SAFETY ISSUES, IE INFORMATION NOTICE, NOTIFICATION OF UNUSUAL EVENT, SAFETY-RELATED HFA RELAY REPLACEMENT, DESIGN CHANGES AND MODIFICATIONS, FACILITY MODIFICATIONS, TESTS AND EXPERIMENTS PROGRAM, STARTUP TESTING NEW OR MODIFIED SYSTEMS, SURVEILLANCE--CONTAINMENT LOCAL LEAK RATE TESTING TYPE B & C TESTS, PREOPERATIONAL TEST PROCEDURE REVIEW--RECIRCULATION SYSTEM FLOW CONTROL TEST, PLANT PROCEDURES, LICENSED OPERATOR TRAINING, INSERVICE INSPECTION-- REACTOR COOLANT SYSTEM HYDROSTATIC TEST, REFUELING, AND SPENT FUEL POOL ACTIVITIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR PART 50, APPENDIX CRITERION V, NPPD DID NOT HAVE PROCEDURES TO ASSURE ENGINEERED PRELOAD TORQUES FOR CNS DESIGN CHANGES TO ASME BPV CODE SECTION III (NUCLEAR), TO ASSURE INSTALLATION OF CONFORMING MATERIAL IN DESIGN CHANGES, OR TO INSURE THAT AS-BUILT DESIGN CHANGES MET SPECIFIED DESIGN CRITERIA.
(8502 4)

OTHER ITEMS

Report Period OCT 1985

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

* COOPER STATION *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES): NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER ASCENSION TEST PROGRAM IN PROGRESS FOLLOWING AN 11 MONTH OUTAGE TO REFUEL AND REPLACE BWR RECIRCULATION SYSTEM PIPING.

LAST IE SITE INSPECTION DATE: JUNE 1-JULY 31, 1985

INSPECTION REPORT NO: 50-298/85-18

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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1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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

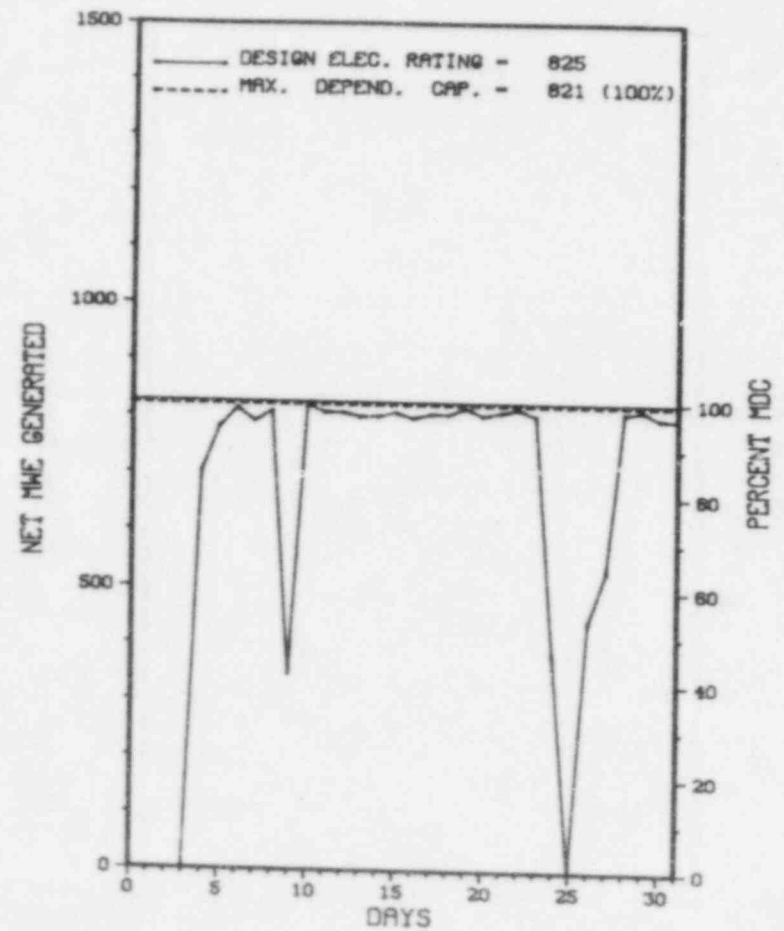
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>75,720.0</u>
13. Hours Reactor Critical	<u>687.4</u>	<u>3,108.1</u>	<u>49,024.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>613.5</u>	<u>2,901.8</u>	<u>47,819.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,487,965</u>	<u>5,863,476</u>	<u>107,525,361</u>
18. Gross Elec Ener (MWH)	<u>508,222</u>	<u>1,990,384</u>	<u>36,717,183</u>
19. Net Elec Ener (MWH)	<u>481,082</u>	<u>1,879,634</u>	<u>34,875,645</u>
20. Unit Service Factor	<u>82.3</u>	<u>39.8</u>	<u>63.2</u>
21. Unit Avail Factor	<u>82.3</u>	<u>39.8</u>	<u>63.2</u>
22. Unit Cap Factor (MDC Net)	<u>78.7</u>	<u>31.4</u>	<u>56.1</u>
23. Unit Cap Factor (DER Net)	<u>78.3</u>	<u>31.2</u>	<u>55.8</u>
24. Unit Forced Outage Rate	<u>4.4</u>	<u>8.8</u>	<u>20.0</u>
25. Forced Outage Hours	<u>28.4</u>	<u>278.8</u>	<u>11,968.0</u>

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

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

* CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLCT
CRYSTAL RIVER 3



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-18	09/27/85	S	70.8	F	2		HA	GENERA	CONTINUATION OF OUTAGE TO REPOSITION GENERATOR COOLING BLADES.
85-19	10/09/85	F	12.7	B	2	85-20-00	IB	XXXXXX	TESTING OF EFIC SYSTEM CAUSED TWO MSIVS TO CLOSE AND PLANT WAS MANUALLY TRIPPED.
85-20	10/24/85	S	52.3	F	1		CI	VALVEX	LOCATE AND REPAIRED PREVIOUSLY UNIDENTIFIED RCS LEAKAGE.
85-21	10/26/85	F	15.7	A	3	85-23-00	ED	GENERA	TRIP DUE TO SPURIOUS EQUIPMENT REACTIONS TO A LOSS OF THE "A" VITAL BUS INVERTER.

 * SUMMARY *

 CRYSTAL RIVER OPERATED WITH 4 OUTAGES DURING OCTOBER.

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)

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period OCT 1985

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 26-30 (85-34): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 33 INSPECTOR-HOURS ONSITE IN THE AREAS OF EXTERNAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY, INTERNAL EXPOSURE CONTROL, SOLID WASTE PROCESSING AND STORAGE, THE LICENSEE'S ACTIONS TO MAINTAIN OCCUPATIONAL RADIATION EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA) AND SURVEYS, MONITORING AND CONTROL OF RADIOACTIVE MATERIAL. TWO VIOLATIONS - FAILURE OF PERSONNEL TO FRISK PROPERLY (PARAGRAPH 7) AND FAILURE TO HAVE A PROCEDURE FOR CALCULATION OF MPC-HRS FOR CASES OF RADIOACTIVE MATERIAL INGESTION (PARAGRAPH 5).

INSPECTION AUGUST 11-15 AND 22-23 (85-35): THE INITIAL, UNANNOUNCED PHYSICAL SECURITY INSPECTION AND SUBSEQUENT SPECIAL INSPECTION INVOLVED 70 INSPECTOR-HOURS (FIVE ON BACK SHIFT) INSPECTING: PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS - PROTECTED AREA; DETECTION AIDS-VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND PERSONNEL TRAINING AND QUALIFICATIONS GENERAL REQUIREMENTS. IN ADDITION TO INSPECTION OF THE ABOVE LISTED AREAS, A SPECIAL INSPECTION WAS CONDUCTED ON AUGUST 22-23, 1985, TO REVIEW AND DETERMINE THE CIRCUMSTANCES OF A LICENSEE IDENTIFIED AND REPORTED INCIDENT RELATING TO ALLEGED UNAUTHORIZED INTRODUCTION OF FIREARMS INTO THE PROTECTED AREA. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE AREAS INSPECTED WITH THE EXCEPTION OF THE FOLLOWING: (1) FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO THE PROTECTED AREA. (2) FAILURE TO MAINTAIN TWO-WAY RADIO COMMUNICATION CAPABILITY WITH THE LOCAL LAW ENFORCEMENT AGENCY.

INSPECTION AUGUST 23 (85-36): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 8 INSPECTOR-HOURS ONSITE IN THE AREAS OF EMERGENCY

Report Period OCT 1985

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

* CRYSTAL RIVER 3 *

INSPECTION SUMMARY

PREPAREDNESS, EMERGENCY RESPONSE FACILITIES, NRC RESPONSE TEAM COORDINATION AND NRC HURRICANE RESPONSE PROCEDURES AND HIGH FREQUENCY RADIO EQUIPMENT ON SITE. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 17 - SEPTEMBER 25 (85-37): THIS ROUTINE INSPECTION INVOLVED 164 INSPECTOR-HOURS ONSITE BY TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, PLANT STARTUP FROM MODIFICATIONS AND REFUELING OUTAGE, SPECIAL INSPECTION OF STATION BATTERY SPARE CELLS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 30 - OCTOBER 4 (85-40): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 35 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA/QC ADMINISTRATION; PROCUREMENT; AND RECEIPT, STORAGE, AND HANDLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OPERATING AT 95%.

LAST IE SITE INSPECTION DATE: SEPTEMBER 30 - OCTOBER 4, 1985 +

INSPECTION REPORT NO: 50-302/85-40 +

Report Period OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* CRYSTAL RIVER 3 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-012	08/09/85	09/13/85	UNPLANNED ACTUATIONS OF EMERGENCY FEEDWATER SYSTEM THE MARGIN BETWEEN SETPOINTS WAS INCREASED BY RAISING THE NORMAL LEVEL CONTROL SETPOINT FOR THE STEAM GENERATORS.
85-013	08/15/85	09/16/85	LOSS OF EMERGENCY FEEDWATER TO ONE STEAM GENERATOR THE STEAM LEAK HAS BEEN REPAIRED, AND THE EFIC SYSTEM WAS RESET.
85-014	08/16/85	09/23/85	INADVERTENT EMERGENCY FEEDWATER INITIATION AND CONTROL ACTUATION LOW LEVEL CONDITIONS; CAUSE BY TEMPORARY IMBALANCE BETWEEN FEED FLOW AND STEAM FLOW DUE TO OPERATOR ERROR.
85-015	08/20/85	09/19/85	MAIN TURBINE DRAIN LINE BREAK RESULTS IN ANTICIPATORY REACTOR TRIP FATIGUE FAILURE IS SUSPECTED.
85-016	08/20/85	09/26/85	FEEDWATER TRANSIENT CAUSES REACTOR COOLANT SYSTEM HIGH PRESSURE TRIP THE SLUGGISH RESPONSE OF THE FEEDWATER CONTROL VALVE WAS CAUSED BY A CRIMPED AIR LINE.
85-017	08/30/85	09/27/85	HURRICANE ELENA THREATENS CRYSTAL RIVER 3 THE POWER PLANT CONTINUED TO OPERATE DURING THE STORM AT 41% POWER.

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: MORTEZA KHARZRAI (419) 249-5000 X290

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): 904

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>745.0</u>	<u>7,296.0</u>	<u>63,601.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,846.6</u>	<u>35,878.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>44.7</u>	<u>4,058.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,730.5</u>	<u>34,371.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>6,312,177</u>	<u>81,297,599</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,087,278</u>	<u>26,933,622</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,942,921</u>	<u>25,233,177</u>
20. Unit Service Factor	<u>.0</u>	<u>37.4</u>	<u>54.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>37.4</u>	<u>56.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>30.9</u>	<u>46.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>29.4</u>	<u>43.8</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>56.6</u>	<u>22.9</u>
25. Forced Outage Hours	<u>745.0</u>	<u>3,566.3</u>	<u>10,827.8</u>

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

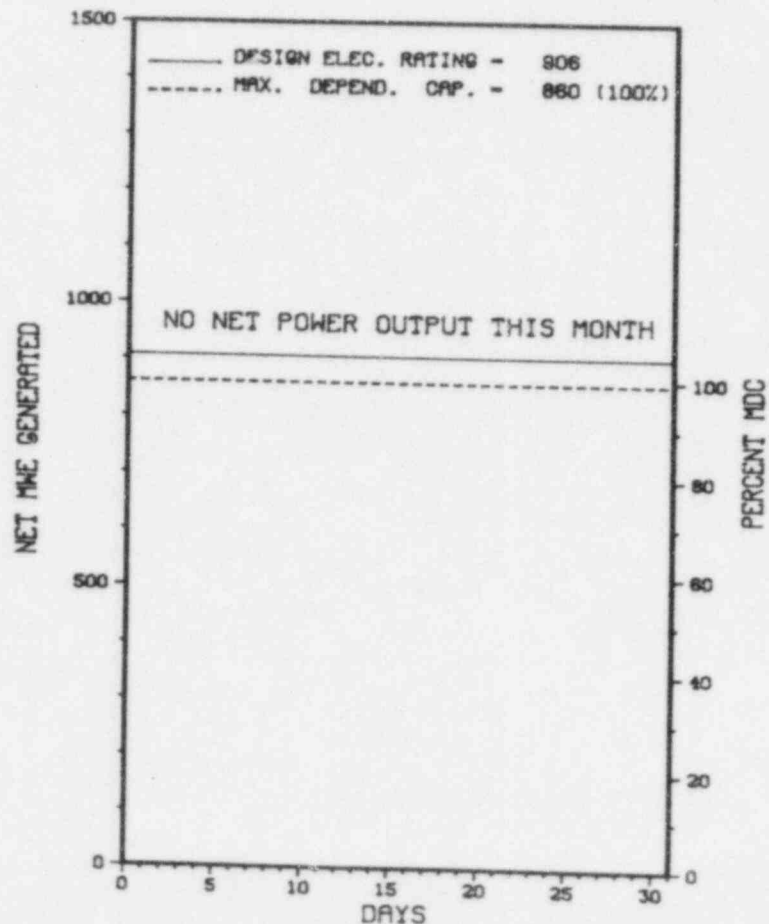
NONE

27. If Currently Shutdown Estimated Startup Date: 01/04/86

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* DAVIS-BESSE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	06/09/85	F	745.0	A	4		JK	SC	THE UNIT REMAINED SHUTDOWN FOLLOWING THE REACTOR TRIP ON JUNE 9, 1985, DUE TO MAIN FEED PUMP CONTROL PROBLEMS.

* SUMMARY *

DAVIS-BESSE REMAINS SHUTDOWN IN A CONTINUING EQUIPMENT FAILURE 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-C'61)

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 9-12 (85026): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS; SECURITY PLAN IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREA; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS AND SAFEGUARDS INFORMATION. THE INSPECTORS REVIEWED THE LICENSEE'S ACTIONS/PERFORMANCE RELATING TO SEVERAL WEAKNESSES/CONCERNS IN THE ABOVE AREAS WHICH WERE IDENTIFIED AS A RESULT OF REGION III ANALYSIS OF PREVIOUS INSPECTION FINDINGS, 10 CFR 73.71 SECURITY EVENT REPORTS, AND THE PREVIOUS SALP REPORT. THE SAFETY/SECURITY ISSUES ADDRESSED IN NUREG-1154 (LOSS OF MAIN AND AUXILIARY FEEDWATER EVENT AT THE DAVIS-BESSE PLANT ON JUNE 9, 1985) AND OTHER CONCERNS WHICH SURFACED THROUGH INTERVIEWS WITH LICENSEE PERSONNEL WERE INVESTIGATED. THE INSPECTION INVOLVED 84 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAYSHIFT; SIX INSPECTOR-HOURS WERE EXPENDED DURING OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION EXCEPT AS NOTED BELOW: INTRUSION DETECTION SYSTEM COVERAGE IN SOME AREAS WAS NOT ADEQUATE.

SPECIAL INSPECTION ON SEPTEMBER 9 THROUGH SEPTEMBER 18 (85031): SPECIAL, ANNOUNCED INSPECTION OF THE AUXILIARY FEEDWATER PUMP TURBINE STEAM SUPPLY (AFPTSS) PIPING RESTRAINT AND STRUCTURAL DAMAGE. THE INSPECTION INVOLVED A TOTAL OF 34 INSPECTOR-HOURS ONSITE AND AT THE A-E'S OFFICE BY ONE NRC INSPECTOR. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: (FAILURE TO ESTABLISH A PROCEDURE TO DELINEATE THE IE BULLETIN NO. 79-14 DESIGN INTERFACE BETWEEN BECHTEL AND ITT-GRINNELL CORPORATION; FAILURE TO EFFECTIVELY IMPLEMENT THE FACILITY CHANGE REQUEST SYSTEM WHICH RESULTED IN CORRECTIVE ACTIONS NOT BEING CONDUCTED IN A TIMELY MANNER).

Report Period OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DAVIS-BESSE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN COLD SHUTDOWN FOLLOWING THE JUNE 9, 1985 TRIP.

LAST IE SITE INSPECTION DATE: DECEMBER 2-6, 1985

INSPECTION REPORT NO: 85038

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
85-17	09/06/85	10/04/85	SECONDARY SIDE PRESSURIZATION OF STEAM GENERATOR 1-1 ABOVE TECHNICAL SPECIFICATION LIMITS

1. Docket: 50-275 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: BOB KANICK (805) 595-7351

4. Licensed Thermal Power (MWT): 3338

5. Nameplate Rating (Gross MWe): 1137

6. Design Electrical Rating (Net MWe): 1086

7. Maximum Dependable Capacity (Gross MWe): 1125

8. Maximum Dependable Capacity (Net MWe): 1073

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>745.0</u>	<u>4,270.3</u>	<u>4,270.3</u>
13. Hours Reactor Critical	<u>703.5</u>	<u>4,169.8</u>	<u>4,169.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>680.0</u>	<u>4,134.5</u>	<u>4,134.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,163,216</u>	<u>13,111,496</u>	<u>13,111,496</u>
18. Gross Elec Ener (MWH)	<u>709,800</u>	<u>4,365,832</u>	<u>4,365,832</u>
19. Net Elec Ener (MWH)	<u>671,259</u>	<u>4,149,531</u>	<u>4,149,531</u>
20. Unit Service Factor	<u>91.3</u>	<u>96.8</u>	<u>96.8</u>
21. Unit Avail Factor	<u>91.3</u>	<u>96.8</u>	<u>96.8</u>
22. Unit Cap Factor (MDC Net)	<u>84.0</u>	<u>90.6</u>	<u>90.6</u>
23. Unit Cap Factor (DER Net)	<u>83.0</u>	<u>89.5</u>	<u>89.5</u>
24. Unit Forced Outage Rate	<u>3.9</u>	<u>2.3</u>	<u>2.3</u>
25. Forced Outage Hours	<u>27.5</u>	<u>96.9</u>	<u>96.9</u>

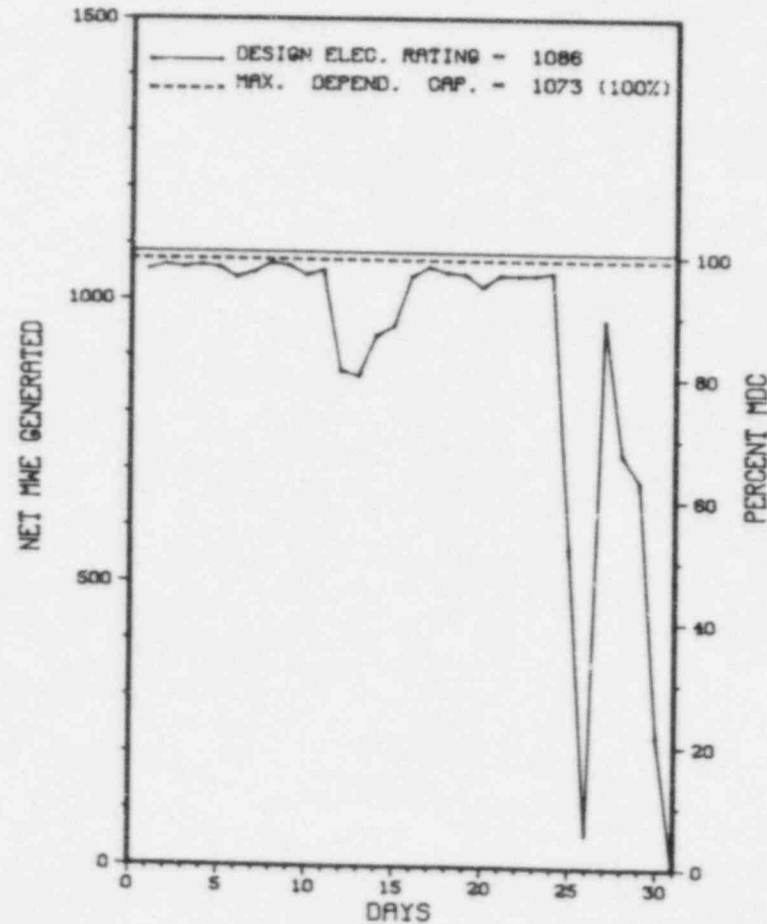
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 11/08/85

 * DIABLO CANYON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 DIABLO CANYON 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	10/25/85	F	27.5	A	3	85-033	ED	94	FAILURE OF COMPARATOR MODULE CAUSED A RELAY THAT INDICATES REACTOR COOLANT PUMP BREAKER POSITION TO MOMENTARILY DROP OUT AND CAUSE A REACTOR TRIP SIGNAL. THE COMPARATOR MODULE FAILED DUE TO A FAILED CAPACITOR.
2	10/30/85	S	37.5	A	1		SG	TBG	UNIT WAS SHUTDOWN TO CLEAR UP STEAM GENERATOR AND CONDENSATE WATER CHEMISTRY AFTER A MAIN CONDENSOR TUBE LEAK.

 * SUMMARY *

DIABLO CANYON 1 OPERATED ROUTINELY IN OCTOBER SHUTTING DOWN ON THE 30TH 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)

* DIABLO CANYON 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN LUIS OBISPO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI WSW OF
SAN LUIS OBISPO
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 29, 1984
DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1984
DATE COMMERCIAL OPEKATE...MAY 7, 1985
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PACIFIC GAS & ELECTRIC
CORPORATE ADDRESS.....77 BEALE STREET
SAN FRANCISCO, CALIFORNIA 94106
CONTRACTOR
ARCHITECT/ENGINEER.....PACIFIC GAS & ELECTRIC
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....PACIFIC GAS & ELECTRIC
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....M. MENDONCA
LICENSING PROJ MANAGER.....H. SCHIERLING
DOCKET NUMBER.....50-275
LICENSE & DATE ISSUANCE....DPR-80, NOVEMBER 2, 1984
PUBLIC DOCUMENT ROOM.....ROBERT F. KENNEDY LIBRARY
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA. 93407

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

INSPECTION SUMMARY

- + SALP BOARD MEETING ON SEPTEMBER 18, 1985 (REPORT NO. 50-275/85-29) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE FROM JULY 1, 1984, THROUGH JULY 31, 1985. AREAS DISCUSSED AT THE SALP BOARD MEETING RESULTED IN NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS.
- + INSPECTION ON OCTOBER 28 - NOVEMBER 1, 1985 (REPORT NO. 50-275/85-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 28 - SEPTEMBER 28, 1985 (REPORT NO. 50-275/85-32) AREAS INSPECTED: ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOWUP OF ONSITE EVENTS, OPEN ITEMS, AND LERS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES WERE CONDUCTED. TEST DATA REVIEWS AND OBSERVATIONS OF QA ACTIVITIES WERE CONDUCTED TO COMPLETE THE INSPECTION STARTUP PROGRAM. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 123 INSPECTOR-HOURS ONSITE BY FOUR RESIDENT NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON OCTOBER 28 - NOVEMBER 1, 1985 (REPORT NO. 50-275/85-33) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 29 - NOVEMBER 2, 1985 (REPORT NO. 50-275/85-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 7 - NOVEMBER 1, 1985 (REPORT NO. 50-275/85-35) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period OCT 1985

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

* DIABLO CANYON 1 *

INSPECTION SUMMARY

- + INSPECTION ON NOVEMBER 18-22, 1985 (REPORT NO. 50-275/85-36) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 21-25, 1985 (REPORT NO. 50-275/85-37) 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:

+ THE PLANT WAS SHUTDOWN FOR REPAIRS ON OCTOBER 30TH.

LAST IE SITE INSPECTION DATE: 11/18-22/85+

INSPECTION REPORT NO: 50-275/85-36+

Report Period OCT 1985

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

* DIABLO CANYON 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-24-L0	07-12-85	09-03-85	PLANT STAFF REVIEW COMMITTEE TIMELY REVIEW OF OTSC TO PROCEDURES
85-26-L0	07-10-85	09-03-85	FAILURE TO CHECK DAY TK LEVEL
85-28-L0	04-18-85	09-13-85	4KV F BUS - WRONG SETTING
85-29-L0	12-16-84	09-20-85	CONTAINMENT SUMP LEVEL WIDE RANGE CHANNEL CHECK PASSED
85-30-L0	08-27-85	09-26-85	LOW-LOW STEAM GENERATOR LEVEL REACTOR TRIP FROM MODE ONE
85-31-L0	08-15-85	09-16-85	WEST TECH BULLETIN NSID TB85-13 CORRECTED TECHNICAL MANUAL FOR ALIGNING NUCLEAR INSTRUMENT SYSTEM
85-32-L0	09-12-85	10-14-85	INOPERABLE SNUBBERS ON MAIN FEEDWATER LINES TO STEAM GENERATORS

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1. Docket: 50-323 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: BOB KANICK (805) 595-7351

4. Licensed Thermal Power (Mht): 3411

5. Nameplate Rating (Gross MWe): 1164

6. Design Electrical Rating (Net MWe): 1119

7. Maximum Dependable Capacity (Gross MWe): 1145

8. Maximum Dependable Capacity (Net MWe): 1093

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>271.0</u>	<u>271.0</u>	<u>271.0</u>
13. Hours Reactor Critical	<u>229.4</u>	<u>229.4</u>	<u>229.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>215.3</u>	<u>215.3</u>	<u>215.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>229,128</u>	<u>229,128</u>	<u>229,128</u>
18. Gross Elec Ener (MWH)	<u>50,900</u>	<u>50,900</u>	<u>50,900</u>
19. Net Elec Ener (MWH)	<u>24,260</u>	<u>24,260</u>	<u>24,260</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>41.6</u>	<u>41.6</u>	<u>41.6</u>

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

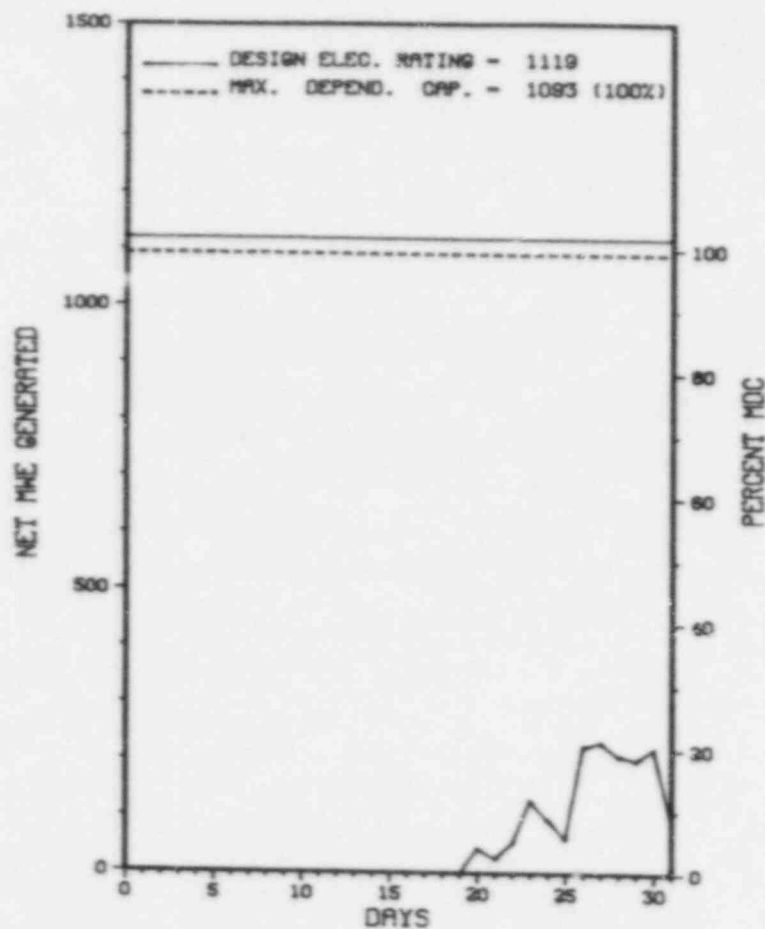
NONE

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

 * DIABLO CANYON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	10/21/85	S	14.1	B	1				GENERATOR TESTING.
2	10/22/85	F	15.9	G	3	85-009			STATION TEST TECHNICIAN INADVERTENTLY ACTUATED THE CURRENT TEST BLOCK OF THE MAIN GENERATOR DIFFERENTIAL RELAY CAUSING A TURBINE/REACTOR TRIP. THIS EVENT WAS CAUSED BY A PERSONNEL ERROR.
3	10/24/85	F	25.7	F	3	85-010			THE REACTOR TRIP WAS CAUSED BY THE INABILITY OF THE STEAM GENERATOR AUTOMATIC LEVEL CONTROL SYSTEM TO COMPENSATE FOR CHANGES IN THE CONDENSATE BOOSTER PUMP LINEUP.

 * SUMMARY *

 DIABLO CANYON 2 GENERATED INITIAL ELECTRICITY ON OCTOBER 20, 1985.

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)

* DIABLO CANYON 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN LUIS OBISPO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI WSW OF
SAN LUIS OBISPO
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1986
DATE ELEC ENER 1ST GENER...OCTOBER 20, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY
LICENSEE.....PACIFIC GAS & ELECTRIC
CORPORATE ADDRESS.....77 BEALE STREET
SAN FRANCISCO, CALIFORNIA 94106
CONTRACTOR
ARCHITECT/ENGINEER.....PACIFIC GAS & ELECTRIC
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....PACIFIC GAS & ELECTRIC
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....J. CARLSON
LICENSING PROJ MANAGER.....H. SCHIERLING
DOCKET NUMBER.....50-323
LICENSE & DATE ISSUANCE...DPR-81, AUGUST 26, 1985
PUBLIC DOCUMENT ROOM.....

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

SAN LUIS OBISPO, CA. 93407

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

Report Period OCT 1985

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

* DIABLO CANYON 2 *

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

LAST IE SITE INSPECTION DATE: INFO. NOT SUPPLIED BY REGION

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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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INFO. NOT SUPPLIED BY REGION

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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: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: D. C. MAXHELL (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

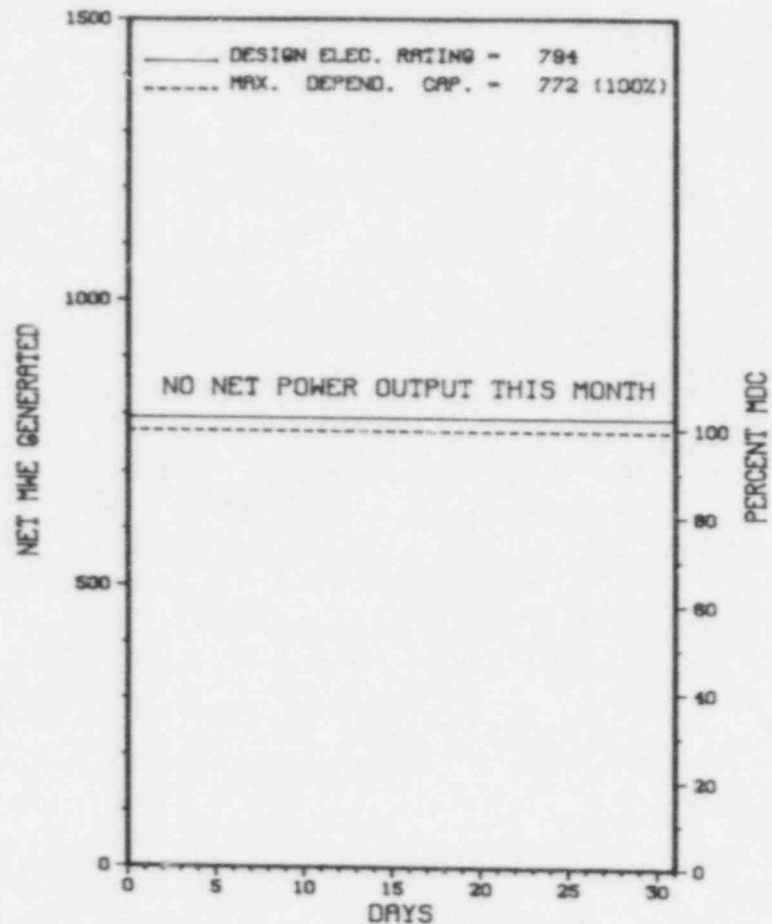
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>135,600.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,578.1</u>	<u>102,315.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,337.0</u>	<u>97,641.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>7,208,282</u>	<u>198,589,300</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,277,578</u>	<u>63,482,332</u>
19. Net Elec Ener (MWH)	<u>-9,693</u>	<u>2,133,713</u>	<u>59,991,517</u>
20. Unit Service Factor	<u>.0</u>	<u>45.7</u>	<u>72.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>45.7</u>	<u>72.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>37.9</u>	<u>57.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>36.8</u>	<u>55.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.6</u>	<u>11.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>710.8</u>	<u>5,420.8</u>

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

27. If Currently Shutdown Estimated Startup Date: 11/04/85

* D R E S D E N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DRESDEN 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
8	09/29/85	S	745.0	H	4	85-035-0		UNIT WAS TAKEN OFF-LINE MANUALLY FOR SHUBBER INSPECTIONS AND E.Q. MODIFICATIONS (RX SCRAM 2 1/2 HOURS AFTER OFF-LINE BECAUSE OF LOW CONDENSER VACUUM).

***** DRESDEN 2 REMAINS SHUTDOWN IN A CONTINUING MODIFICATION 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
	F-Admin	9-Other	(LER) File (NUREG-0161)
	G-Oper Error		
	H-Other		
	& License Examination		

* DRESDEN 2 *

FACILITY DATA

Report Period OCT 1985

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.....L. MCGREGOR
LICENSING PROJ MANAGER.....R. GILBERT
DOCKET NUMBER.....50-237
LICENSE & DATE ISSUANCE....DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 16 THROUGH AUGUST 28 (85031): THIS SPECIAL REPORT IS A SUMMARY OF THE LOSS OF OFFSITE POWER EVENT EXPERIENCED ON DRESDEN UNIT 2 ON AUGUST 16, 1985, A REVIEW OF THE LICENSEE'S PROMPT AND LONG TERM ACTIONS, AND THE NRC RESPONSE. THE INSPECTION INVOLVED A TOTAL OF 82 INSPECTOR-HOURS ONSITE BY NRC PERSONNEL INCLUDING 46 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS WERE IDENTIFIED DURING THE INSPECTION.

INSPECTION ON SEPTEMBER 16-19 (85032): ROUTINE, ANNOUNCED INSPECTION RELATIVE TO THE IMPLEMENTATION OF GENERIC LETTER (GL) 83-28 IN THE AREAS OF EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, POST-MAINTENANCE TESTING, AND REACTOR TRIP SYSTEM RELIABILITY. THE INSPECTION INVOLVED A TOTAL OF 35 INSPECTOR-HOURS ONSITE. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO DOCUMENT REVIEW AND APPROVAL OF TEST RESULTS).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION II, AS IMPLEMENTED BY THE COMMONWEALTH EDISON COMPANY (CECO) TOPICAL REPORT CE-1-A REQUIRES THAT INDOCTRINATION AND TRAINING OF PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED AS NECESSARY TO ENSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO PROVIDE FOR THE INDOCTRINATION AND TRAINING OF PLANT PERSONNEL RELATIVE TO QUALITY ASSURANCE MANUAL REVISIONS WITHIN THE TIME PERIOD SPECIFIED BY PROCEDURE NO. QP

ENFORCEMENT SUMMARY

2-52. 10 CFR 50, APPENDIX B, CRITERION II, AS IMPLEMENTED BY THE COMMONWEALTH EDISON COMPANY (CECO) TOPICAL REPORT CE-1-A REQUIRES THAT INDOCTRINATION AND TRAINING OF PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED AS NECESSARY TO ENSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO PROVIDE FOR THE INDOCTRINATION AND TRAINING OF PLANT PERSONNEL RELATIVE TO QUALITY ASSURANCE MANUAL REVISIONS WITHIN THE TIME PERIOD SPECIFIED BY PROCEDURE NO. QP 2-52. TECHNICAL SPECIFICATION 6.8.1.A. REQUIRES THAT APPLICABLE PROCEDURES FOR ACTIVITIES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978, BE WRITTEN, ESTABLISHED, IMPLEMENTED AND MAINTAINED. SECTION 7.A OF APPENDIX "A" OF REGULATORY GUIDE 1.33, REVISION 2, SPECIFIES PROCEDURES FOR SAMPLING, MONITORING, AND DISCHARGING EFFLUENTS FROM THE LIQUID RADIOACTIVE WASTE SYSTEM. PLANT CHEMISTRY PROCEDURE PCP 10.8, REVISION 5, MARCH 25, 1985, "RADIOACTIVE LIQUID RELEASE ANALYSIS AND DOCUMENTATION" IN SECTION 7 HAS PROCEDURES FOR "DISCHARGES NOT THROUGH RADWASTE." AMONG THE REQUIREMENTS FOR SUCH A RELEASE ARE COMPLETION OF THE RADIOACTIVE LIQUID BATCH RELEASE RECORD (STEP 7.9) AND COMPLETION OF RADIOACTIVE LIQUID RELEASE AUTHORIZATION II (STEP 7.10). CONTRARY TO THE ABOVE, ABOUT A MILLION GALLONS OF WATER FROM THE CIRCULATING WATER SYSTEM WHICH INADVERTENTLY RECEIVED ABOUT 8,000 GALLONS OF SLIGHTLY CONTAMINATED WATER FROM THE CONDENSER HOTWELL ON MAY 30, 1985, WAS SUBSEQUENTLY RELEASED TO THE RIVER VIA THE CIRCULATING WATER SYSTEM BLOWDOWN LINE WITHOUT COMPLETION OF THE REQUIRED RADIOACTIVE LIQUID BATCH RELEASE RECORD AND THE RADIOACTIVE LIQUID RELEASE AUTHORIZATION FORM.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

THE LICENSEE IS CONSTRUCTING TWO PERMANENT BUILDINGS TO SUPPORT THE UPCOMING RECIRCULATING PIPE REPLACEMENT PROJECT. ALSO, A SEMI-PERMANENT AIRLOCK ACCESS FOR INGRESS & EGRESS OF EQUIPMENT AND MATERIALS IS UNDER CONSTRUCTION, AND A TRAILER HOUSED (6 TRAILERS) PERSONNEL CHANGE AREA AND ACCESS/EGRESS FACILITY WILL BE ASSEMBLED.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR MODIFICATIONS.

LAST IE SITE INSPECTION DATE: DECEMBER 16-19, 1985

INSPECTION REPORT NO: 85037

Report Period OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* DRESDEN 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-35	09/29/85	10/28/85	UNIT 2 LOW CONDENSER VACUUM SCRAM
85-36	10/02/85	10/30/85	REACTOR BUILDING VENTILATION ISOLATION FROM FUEL POOL MONITOR DOWNSCALE TRIP

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1. Docket: 50-249 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: D. C. MAXWELL (815) 942-2920

4. Licensed Thermal Power (MWh): 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

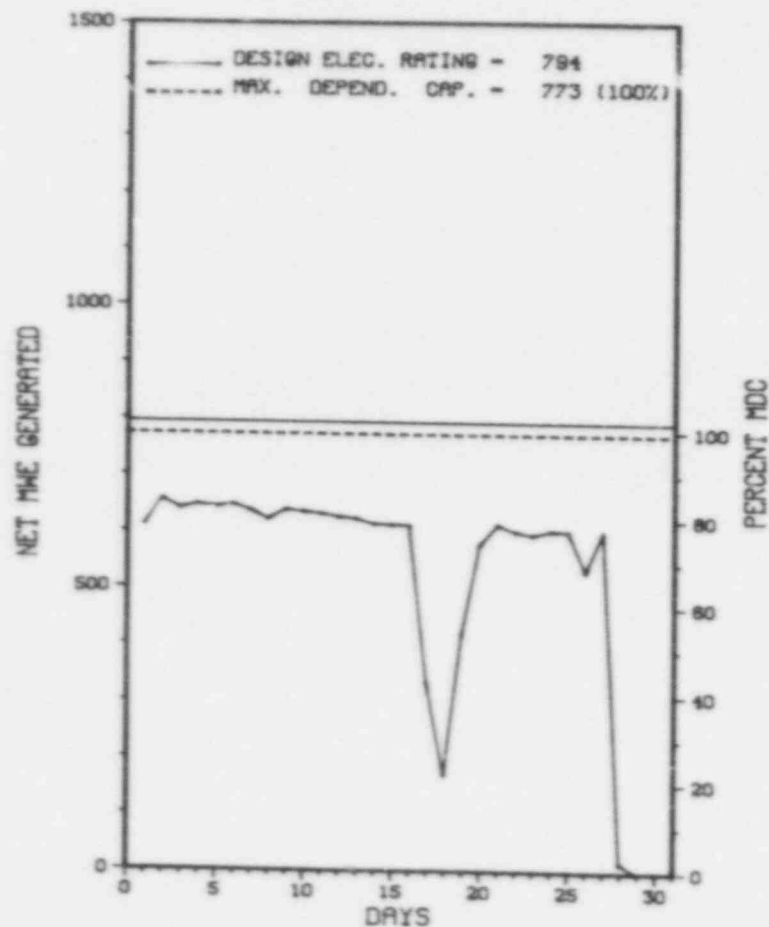
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>125,185.0</u>
13. Hours Reactor Critical	<u>648.9</u>	<u>6,718.8</u>	<u>93,442.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>636.9</u>	<u>6,621.3</u>	<u>89,794.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,280,620</u>	<u>14,705,613</u>	<u>181,765,542</u>
18. Gross Elec Ener (MWH)	<u>399,614</u>	<u>4,632,256</u>	<u>58,821,103</u>
19. Net Elec Ener (MWH)	<u>377,178</u>	<u>4,401,330</u>	<u>55,737,559</u>
20. Unit Service Factor	<u>85.5</u>	<u>90.8</u>	<u>71.7</u>
21. Unit Avail Factor	<u>85.5</u>	<u>90.8</u>	<u>71.7</u>
22. Unit Cap Factor (MDC Net)	<u>65.5</u>	<u>78.0</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>63.8</u>	<u>76.0</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>2.5</u>	<u>5.7</u>	<u>12.2</u>
25. Forced Outage Hours	<u>16.4</u>	<u>402.3</u>	<u>7,365.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 04/15/86

X DRESDEN 3 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 X DRESDEN 3 X

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	10/17/85	F	16.4	G	3				PERSONNEL ERROR - LOW RX WATER LEVEL.
6	10/28/85	S	91.7	C	1				OFF-LINE MANUALLY TO 9TH REFUELING/RECIRCULATION PIPE REPLACEMENT OUTAGE.

 * SUMMARY *

 DRESDEN 3 OPERATED WITH 2 OUTAGES, SHUTTING DOWN ON OCTOBER 28TH 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-Operato. Training	5-Reduced Load	licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

DRESDEN 3 #

FACILITY DATA

Report Period OCT 1985

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.....L. MCGREGOR
LICENSING PROJ MANAGER.....R. GILBERT
DOCKET NUMBER.....50-249
LICENSE & DATE ISSUANCE...DPR-25, MARCH 2, 1971
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 16 THROUGH AUGUST 28 (85027): THIS SPECIAL REPORT IS A SUMMARY OF THE LOSS OF OFFSITE POWER EVENT EXPERIENCED ON DRESDEN UNIT 2 ON AUGUST 16, 1985. A REVIEW OF THE LICENSEE'S PROMPT AND LONG TERM ACTIONS, AND THE NRC RESPONSE. THE INSPECTION INVOLVED A TOTAL OF 82 INSPECTOR-HOURS ONSITE BY NRC PERSONNEL INCLUDING 46 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS WERE IDENTIFIED DURING THE INSPECTION.

INSPECTION ON SEPTEMBER 16-19 (85028): ROUTINE, ANNOUNCED INSPECTION RELATIVE TO THE IMPLEMENTATION OF GENERIC LETTER (GL) 83-28 IN THE AREAS OF EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, POST-MAINTENANCE TESTING, AND REACTOR TRIP SYSTEM RELIABILITY. THE INSPECTION INVOLVED A TOTAL OF 35 INSPECTOR-HOURS ONSITE. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO DOCUMENT REVIEW AND APPROVAL OF TEST RESULTS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-331 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: BRADFORD THOMAS (319) 851-7339

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>745.0</u>	<u>7,296.0</u>	<u>94,224.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>3,269.2</u>	<u>65,831.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>130.3</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>3,247.8</u>	<u>64,095.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,008,216</u>	<u>4,598,324</u>	<u>80,858,257</u>
18. Gross Elec Ener (MWH)	<u>344,050</u>	<u>1,470,540</u>	<u>27,057,894</u>
19. Net Elec Ener (MWH)	<u>323,554</u>	<u>1,378,297</u>	<u>25,332,230</u>
20. Unit Service Factor	<u>100.0</u>	<u>44.5</u>	<u>68.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>44.5</u>	<u>68.0</u>
22. Unit Cap Factor (MDC Net)	<u>84.3</u>	<u>36.7</u>	<u>52.2</u>
23. Unit Cap Factor (DER Net)	<u>80.7</u>	<u>35.1</u>	<u>50.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>16.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,384.8</u>

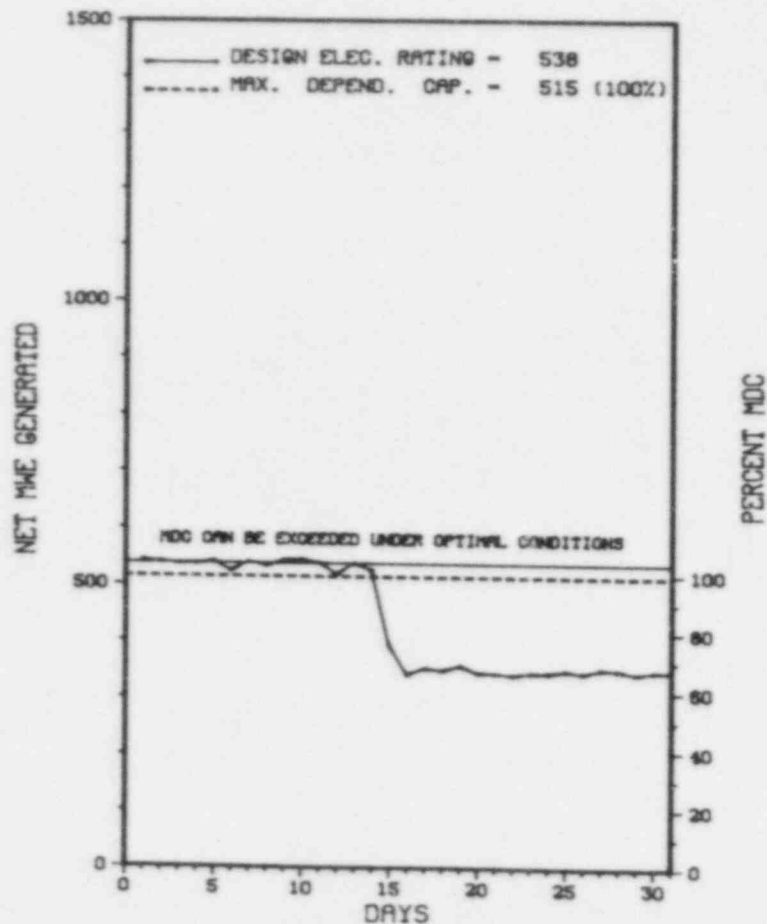
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): APRIL, 1986 MAINTENANCE OUTAGE.

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

 * DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	10/15/85	S	0.0	H	5			PLANNED POWER REDUCTION TO OPTIMIZE FUEL USAGE.

* SUMMARY *

DUANE ARNOLD OPERATED WITH 1 REDUCTION DURING THE OCTOBER 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)

* DUANE ARNOLD *

FACILITY DATA

Report Period OCT 1985

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WEIBE
LICENSING PROJ MANAGER....M. THADANI
DOCKET NUMBER.....50-331
LICENSE & DATE ISSUANCE...DPR-49, FEBRUARY 22, 1974
PUBLIC DOCUMENT ROOM.....CEDAR RAPIDS PUBLIC LIBRARY
500 FIRST STREET, S.E.
CEDAR RAPIDS, IOWA 52401

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

INSPECTION SUMMARY

INSPECTION ON JUNE 10 THROUGH OCTOBER 3 (85017): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF A LICENSEE EVENT REPORT; CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) ACTIVITIES; CILRT RESULTS REVIEW; TECHNICAL SPECIFICATIONS; LOCAL LEAK RATE TEST RESULTS; AND AS FOUND CILRT RESULTS. THE INSPECTION INVOLVED 38 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 12 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. AN ADDITIONAL 15 INSPECTOR-HOURS WERE EXPENDED IN THE REGION III OFFICE. OF THE SIX AREAS INSPECTED NO VIOLATIONS WERE IDENTIFIED IN FIVE AREAS. IN THE REMAINING AREA, ONE VIOLATION WAS IDENTIFIED (FAILURE TO PERFORM AN AS FOUND TYPE A TEST AS REQUIRED BY TECHNICAL SPECIFICATIONS).

INSPECTION ON JULY 23 THROUGH SEPTEMBER 16 (85021): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS AND REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, LICENSEE EVENT REPORT FOLLOWUP, PERSONNEL ERRORS, DESIGN CHANGES AND MODIFICATIONS, PREJOB SURVEYS FOR RADIATION WORK PERMITS, LOW-LEVEL RADIOACTIVE WASTE STORAGE AND PROCESSING FACILITY, REFUELING CAVITY WATER SEAL, INOPERABLE DIESEL GENERATOR EVENT, BULLETIN 80-07, AND ALLEGATION FOLLOWUP. THE INSPECTION INVOLVED A TOTAL OF 199 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS, INCLUDING 46 INSPECTOR-HOURS ONSITE DURING BACKSHIFTS. TWO VIOLATIONS WERE IDENTIFIED IN THE AREA OF PERSONNEL ERRORS. THESE PERSONNEL ERRORS OCCURRED IN THE FIRST TWO WEEKS OF THE INSPECTION PERIOD AND APPEAR TO BE A CONTINUATION OF THE DAEC PERSONNEL ERROR PROBLEMS. IT IS NOTED, HOWEVER, THAT PROMPT ADDITIONAL CORRECTIVE ACTION WAS TAKEN AND NO SIGNIFICANT PERSONNEL ERRORS HAVE OCCURRED DURING THE LAST SIX WEEKS OF THE INSPECTION PERIOD. THE REACTOR CORE ISOLATION COOLING SYSTEM WAS OUT OF SERVICE FOR REPAIRS THREE TIMES DURING THE EIGHT WEEK INSPECTION PERIOD. THIS APPEARS TO BE EXCESSIVE AND RAISES CONCERNS ABOUT THE SYSTEM'S RELIABILITY.

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 9-20 (85025): ROUTINE, UNANNOUNCED SAFETY INSPECTION OF SURVEILLANCE OF CORE POWER DISTRIBUTION LIMITS, LPRM/APTM CALIBRATION AND TESTING, APRM FUNCTIONAL TESTING, SHUTDOWN MARGIN DEMONSTRATION AND REACTIVITY CHECKS, AND CONTROL ROD DRIVE PERFORMANCE TESTING. THE INSPECTION INVOLVED A TOTAL OF 69 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 3 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS, AND EXAMPLES OF ONE VIOLATION WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO PROPERLY IMPLEMENT PROCEDURES).

INSPECTION ON SEPTEMBER 11-16 (85028): SPECIAL UNANNOUNCED INSPECTION OF THE EVENTS SURROUNDING THE DISCOVERY OF MULTIPLE PRIMARY CONTAINMENT BOUNDARY VIOLATIONS DURING A PRIMARY CONTAINMENT INTEGRATED LEAK RATE TEST. THE INSPECTION INVOLVED 15 INSPECTOR HOURS ONSITE INCLUDING 0 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS AND TWO INSPECTOR-HOURS IN THE REGION III OFFICE PERFORMING PROCEDURE REVIEWS. IN THE ONE AREA INSPECTED, THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO ADEQUATELY TEST A CONTAINMENT PENETRATION; FAILURE TO CONTROL THE CONTAINMENT BOUNDARY; FAILURE TO IMPLEMENT TECHNICALLY ADEQUATE PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

DR. L. KRIEGE IS THE NEW CHEMISTRY COORDINATOR; MR G. TAYLOR IS THE CORPORATE CHEMIST

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: NOVEMBER 19 - JANUARY 13, 1985

INSPECTION REPORT NO: 85034

Report Period OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* DUANE ARNOLD *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-35	09/04/85	10/04/85	RCIC INOPERABILITLY
85-38	09/06/85	10/04/85	SECONDARY CONTAINMENT VIOLATIONS
85-39	09/18/85	10/18/85	RCIC-TO-VESSEL INJECT VALVE INOPERABILITY

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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): 861

8. Maximum Dependable Capacity (Net MWe): 816

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>745.0</u>	<u>7,296.0</u>	<u>69,408.0</u>

13. Hours Reactor Critical	<u>745.0</u>	<u>6,040.1</u>	<u>48,169.1</u>
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14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
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15. Hrs Generator On-Line	<u>745.0</u>	<u>5,917.2</u>	<u>46,941.6</u>
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16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
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17. Gross Therm Ener (MWH)	<u>1,954,081</u>	<u>15,161,846</u>	<u>119,062,419</u>
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18. Gross Elec Ener (MWH)	<u>644,082</u>	<u>4,943,634</u>	<u>37,936,752</u>
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19. Net Elec Ener (MWH)	<u>611,480</u>	<u>4,667,156</u>	<u>35,796,202</u>
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20. Unit Service Factor	<u>100.0</u>	<u>81.1</u>	<u>67.6</u>
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21. Unit Avail Factor	<u>100.0</u>	<u>81.1</u>	<u>67.6</u>
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22. Unit Cap Factor (MDC Net)	<u>100.6</u>	<u>78.4</u>	<u>64.5*</u>
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23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>77.2</u>	<u>62.2</u>
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24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>12.0</u>
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25. Forced Outage Hours	<u>.0</u>	<u>136.9</u>	<u>6,382.9</u>
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26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

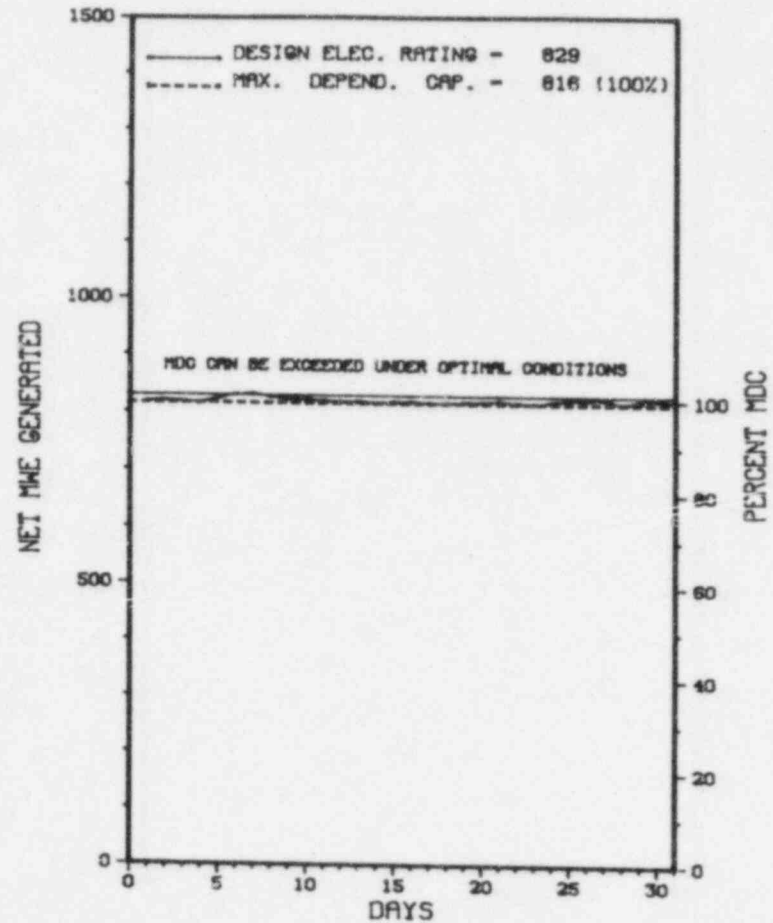
NONE

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

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

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

***** FARLEY 1 OPERATED AT FULL POWER DURING OCTOBER.
* 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)

X FARLEY 1 X

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....ALABAMA
COUNTY.....HOUSTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 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
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.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 23-27 (85-39): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ONSITE IN THE REVIEW OF POST-REFUELING STARTUP TESTS AND SURVEILLANCE TESTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE TECHNICAL SPECIFICATION 6.5.3.1.B AND 10 CFR 50, APPENDIX B, CRITERION III, MEASURES HAVE NOT BEEN ESTABLISHED TO IMPLEMENT THE TECHNICAL SPECIFICATION REQUIREMENT, NOR SUBJECT DESIGN CHANGES TO DESIGN CONTROL MEASURES COMMENSURATE TO THOSE USED IN THE ORIGINAL DESIGN.
(8503 4)

CONTRARY TO THE TECHNICAL SPECIFICATION 6.5.3.1.C, MEASURES HAVE NOT BEEN ESTABLISHED TO IMPLEMENT THE REQUIREMENT OF THE TECHNICAL SPECIFICATION FOR PLANT MANAGER'S APPROVAL OF SPECIAL TEST PRIOR TO IMPLEMENTATION.
(8503 5)

OTHER ITEMS

1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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): 850

8. Maximum Dependable Capacity (Net MWe): 807

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>745.0</u>	<u>7,296.0</u>	<u>37,321.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,424.1</u>	<u>32,336.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,350.3</u>	<u>31,928.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,943,516</u>	<u>13,581,226</u>	<u>82,006,822</u>
18. Gross Elec Ener (MWH)	<u>645,716</u>	<u>4,503,642</u>	<u>26,449,896</u>
19. Net Elec Ener (MWH)	<u>615,346</u>	<u>4,257,470</u>	<u>25,076,392</u>
20. Unit Service Factor	<u>100.0</u>	<u>73.3</u>	<u>85.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>73.3</u>	<u>85.6</u>
22. Unit Cap Factor (MDC Net)	<u>102.4</u>	<u>72.3</u>	<u>83.3</u>
23. Unit Cap Factor (DER Net)	<u>99.6</u>	<u>70.4</u>	<u>81.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.7</u>	<u>5.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>150.3</u>	<u>1,686.8</u>

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

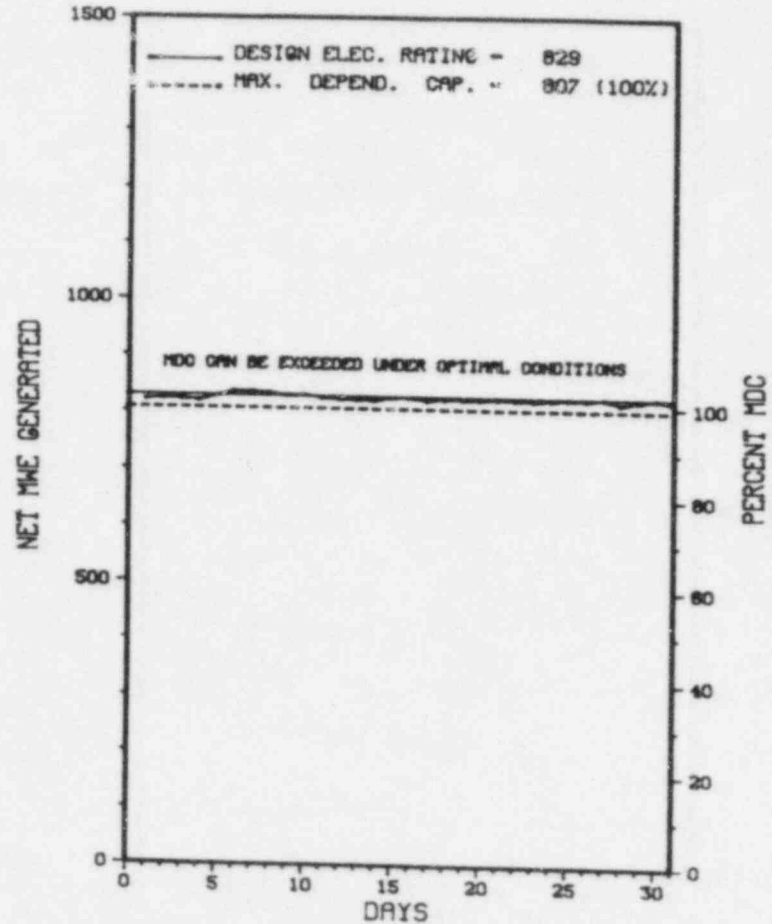
NONE

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

 * FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

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

* SUMMARY *

FARLEY 2 OPERATED AT FULL POWER DURING OCTOBER.

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

* FARLEY 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 23-27 (85-39): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ONSITE IN THE REVIEW OF POST-REFUELING STARTUP TESTS AND SURVEILLANCE TESTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE TECHNICAL SPECIFICATION 6.5.3.1.B AND 10 CFR 50, APPENDIX B, CRITERION III, MEASURES HAVE NOT BEEN ESTABLISHED TO IMPLEMENT THE TECHNICAL SPECIFICATION REQUIREMENT, NOR SUBJECT DESIGN CHANGES TO DESIGN CONTROL MEASURES COMMENSURATE TO THOSE USED IN THE ORIGINAL DESIGN.
(8503 4)

CONTRARY TO THE TECHNICAL SPECIFICATION 6.5.3.1.C, MEASURES HAVE NOT BEEN ESTABLISHED TO IMPLEMENT THE REQUIREMENT OF THE TECHNICAL SPECIFICATION FOR PLANT MANAGER'S APPROVAL OF SPECIAL TEST PRIOR TO IMPLEMENTATION.
(8503 5)

OTHER ITEMS

1. Docket: 50-333 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: J. COOK (315) 342-3840
4. Licensed Thermal Power (Mht): 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
Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>89,977.0</u>
13. Hours Reactor Critical	<u>730.4</u>	<u>4,381.0</u>	<u>63,997.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>730.4</u>	<u>4,186.1</u>	<u>62,133.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,760,664</u>	<u>9,574,896</u>	<u>132,510,850</u>
18. Gross Elec Ener (MWH)	<u>598,910</u>	<u>3,223,920</u>	<u>44,942,330</u>
19. Net Elec Ener (MWH)	<u>578,860</u>	<u>3,115,605</u>	<u>43,513,610</u>
20. Unit Service Factor	<u>98.0</u>	<u>57.4</u>	<u>69.1</u>
21. Unit Avail Factor	<u>98.0</u>	<u>57.4</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>95.9</u>	<u>52.7</u>	<u>62.6*</u>
23. Unit Cap Factor (DER Net)	<u>94.6</u>	<u>52.0</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>2.0</u>	<u>12.0</u>	<u>13.4</u>
25. Forced Outage Hours	<u>14.6</u>	<u>568.2</u>	<u>9,774.7</u>

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

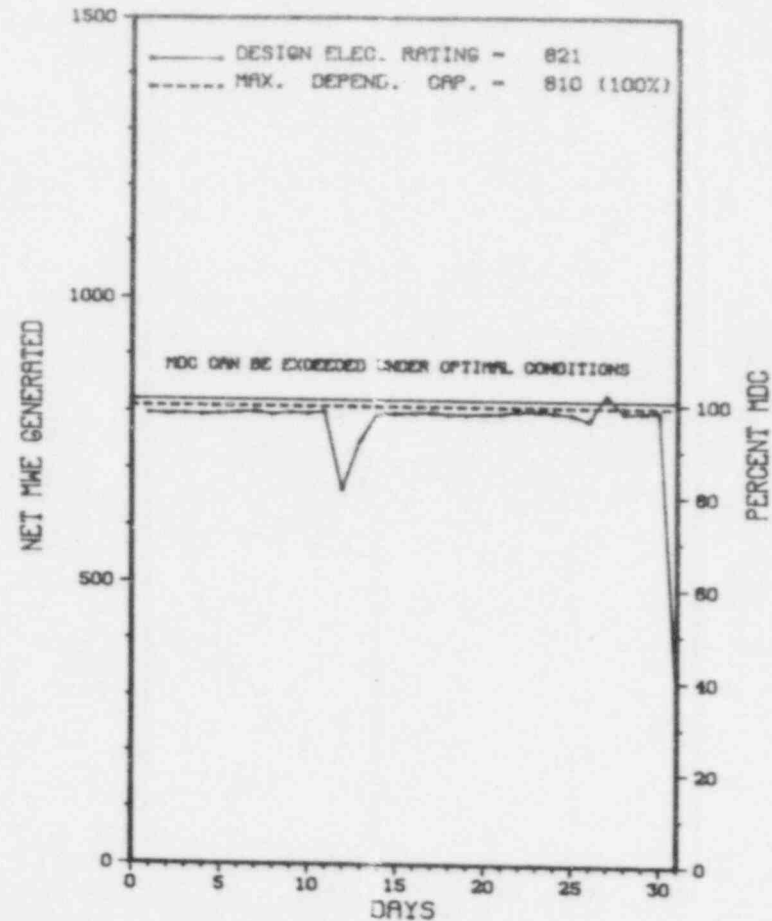
MAINTENANCE OUTAGE 3/10/86, 2 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 11/01/85

 * FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * FITZPATRICK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	10/31/85	F	14.6	A	3		FK		REACTOR SCRAM ON LOAD REJECT DUE TO EQUIPMENT FAILURE AT THE EDIC SUBSTATION. AT THE TIME OF THE TRIP THE PLANT WAS FEEDING ONE OF TWO TRANSMISSION LINES. THE SECOND LINE WAS OUT-OF-SERVICE FOR MAINTENANCE.

 * SUMMARY *

THE FITZPATRICK PLANT OPERATED WITH ONE OUTAGE FOR EQUIPMENT FAILURE, SHUTTING DOWN ON OCTOBER 31ST FOR 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)

* FITZPATRICK *

FACILITY DATA

Report Period OCT 1985

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period OCT 1985

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

* FITZPATRICK *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			

=====

1. Docket: 50-285 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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): 502

8. Maximum Dependable Capacity (Net MWe): 478

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>745.0</u>	<u>7,296.0</u>	<u>106,081.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,466.1</u>	<u>82,466.3</u>
14. Rx Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,455.5</u>	<u>81,073.0</u>
16. Unit Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>9,564,277</u>	<u>103,751,045</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,214,944</u>	<u>34,296,424</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>3,066,254</u>	<u>32,477,885</u>
20. Unit Service Factor	<u>.0</u>	<u>88.5</u>	<u>76.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>88.5</u>	<u>76.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>87.9</u>	<u>66.5*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>87.9</u>	<u>64.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,750.3</u>

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

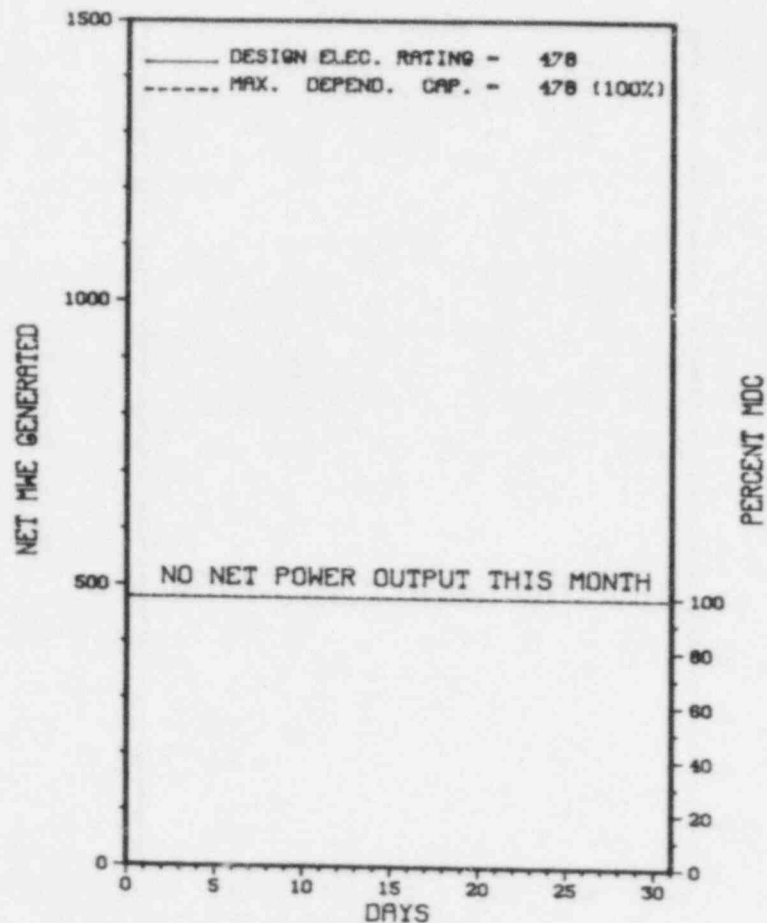
NONE

27. If Currently Shutdown Estimated Startup Date: 12/11/85

 * FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-01	09/28/85	S	745.0	C	4		RC	FUELXX	1985 REFUELING OUTAGE CONTINUES.

***** FORT CALHOUN REMAINS SHUTDOWN IN A CONTINUING 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)

Report Period OCT 1985

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

* FORT CALHOUN 1 *

OTHER ITEMS

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 1 - AUGUST 31, 1985

INSPECTION REPORT NO: 50-285/85-15

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

=====

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

=====

1. Docket: 50-267 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>55,561.0</u>
13. Hours Reactor Critical	<u>649.9</u>	<u>717.8</u>	<u>27,869.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>18,463.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>24,311</u>	<u>24,420</u>	<u>9,734,219</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>3,248,888</u>
19. Net Elec Ener (MWH)	<u>-3,668</u>	<u>-25,206</u>	<u>2,903,046</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>33.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>33.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>15.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>15.8</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>56.1</u>
25. Forced Outage Hours	<u>745.0</u>	<u>7,296.0</u>	<u>23,625.5</u>

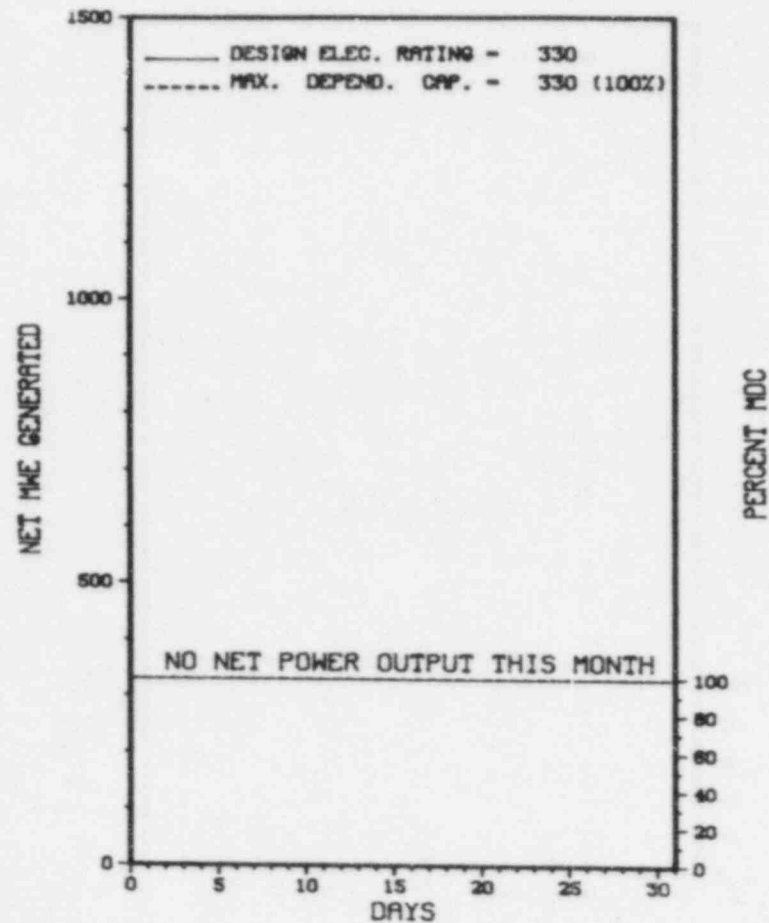
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/01/85

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-001	07/24/85	F	745.0	G	4		AB	XXXXXX	PRIMARY COOLANT CLEANUP.

* SUMMARY *

FORT ST. VRAIN REMAINS SHUTDOWN IN A CONTINUING MAINTENANCE OUTAGE.

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

* FORT ST VRAIN *

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

Report Period OCT 1985

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.....R. FARRELL

LICENSING PROJ MANAGER....K. HEITMER
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 AUGUST 26-30, 1985 (85-23) ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, AND REVIEW OF PERIODIC AND SPECIAL REPORTS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

VIOLATION OF LCO 4.2.7 REQUIRING POSITIVE HELIUM PRESSURE IN PRESTRESSED CONCRETE REACTOR VESSEL (PCRV) PENETRATION INTRSPARES WHEN THE PCRV PRESSURE IS GREATER THAN 100 PSIA. VIOLATION LASTED 11 (8501 3)

FAILURE TO REPORT TRIP OF CIRCULATOR, A REACTOR PROTECTION SYSTEM FUNCTION, IN ACCORDANCE WITH 10 CFR 50.72 AND 10 CFR 50.73. (8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X FORT ST VRAIN X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT IS AT 7% POWER.

LAST IE SITE INSPECTION DATE: AUGUST 26-30, 1985

INSPECTION REPORT NO: 50-267/85-23

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
85-015	9/03/85	10/3/85	"A" HE. CIR. TRIP
85-016	9/13/85	10/11/85	"A" HE. CIR. TRIPP
85-017	9/16/85	10/16/85	UNPLANNED ACTUATION OF THE PPS SCRAM CIRCUITRY DURING INVESTIGATIVE TESTING
85-018	9/25/85	10/25/85	UNPLANNED ACTUATION OF SCRAM CIRCUITRY
85-019	9/30/85	10/30/85	REPEATED ACTUATIONS OF THE RWP SYSTEM DURING INITIAL RISE TO CIRCICALITY AND TRAINING STARTS.L RISE TO
85-020	10/1/85	10/31/85	REACTOR SHUTDOWN IN ACCORDANCE WITH TS LCO 4.1.9

=====

1. Docket: 50-244 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: ANDREW MC NAMARA (315) 524-4446

4. Licensed Thermal Power (MWT): 1520

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

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>139,656.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,391.1</u>	<u>106,839.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,637.7</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,261.2</u>	<u>104,552.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>1,116,312</u>	<u>9,275,208</u>	<u>145,560,569</u>
18. Gross Elec Ener (MWH)	<u>372,753</u>	<u>3,099,784</u>	<u>47,585,192</u>
19. Net Elec Ener (MWH)	<u>354,630</u>	<u>2,929,920</u>	<u>45,112,942</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.8</u>	<u>74.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.8</u>	<u>74.9</u>
22. Unit Cap Factor (MDC Net)	<u>101.3</u>	<u>85.4</u>	<u>70.3*</u>
23. Unit Cap Factor (DER Net)	<u>101.3</u>	<u>85.4</u>	<u>70.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.9</u>	<u>7.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>121.8</u>	<u>4,220.8</u>

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

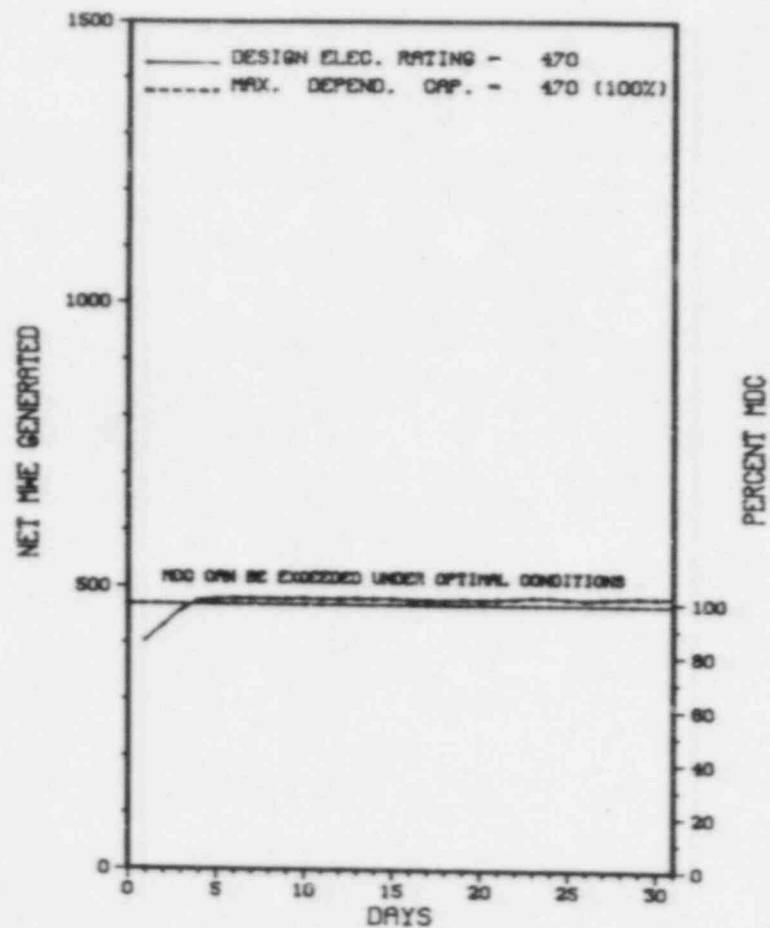
REFUELING & MAINTENANCE - 2/8/86 - 49 DAYS

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X GINNA X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * GINNA *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	10/02/85	F	0.0	A	5		HA	INSTRU	HIGH PRESSURE E.H. FLUID WAS CONTAMINATED WITH WATER FROM A COOLER LEAK CAUSING HIGH PRESSURE CONTROLLERS TO MALFUNCTION. POWER REDUCTION TO CORRECT PROBLEM.

 * SUMMARY *

 GINNA OPERATED WITH 1 REDUCTION DURING OCTOBER.

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

* GINNA *

FACILITY DATA

Report Period OCT 1985

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.....C. MILLER
DOCKET NUMBER.....50-244
LICENSE & DATE ISSUANCE...DPR-18, DECEMBER 10, 1984
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: 50-416 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: J. G. CESARE (601) 969-2585

4. Licensed Thermal Power (MWt): 3833

5. Nameplate Rating (Gross MWe): 1375

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 1157

8. Maximum Dependable Capacity (Net MWe): 1108

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>745.0</u>	<u>2,953.0</u>	<u>2,953.0</u>
13. Hours Reactor Critical	<u>294.7</u>	<u>2,391.7</u>	<u>2,391.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>288.0</u>	<u>2,327.4</u>	<u>2,327.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,133,160</u>	<u>7,936,057</u>	<u>7,936,057</u>
18. Gross Elec Ener (MWH)	<u>337,220</u>	<u>2,445,430</u>	<u>2,445,430</u>
19. Net Elec Ener (MWH)	<u>317,598</u>	<u>2,328,262</u>	<u>2,328,262</u>
20. Unit Service Factor	<u>38.7</u>	<u>78.8</u>	<u>78.8</u>
21. Unit Avail Factor	<u>38.7</u>	<u>78.8</u>	<u>78.8</u>
22. Unit Cap Factor (MDC Net)	<u>38.5</u>	<u>71.2</u>	<u>71.2</u>
23. Unit Cap Factor (DER Net)	<u>34.1</u>	<u>63.1</u>	<u>63.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.8</u>	<u>6.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>168.6</u>	<u>168.6</u>

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

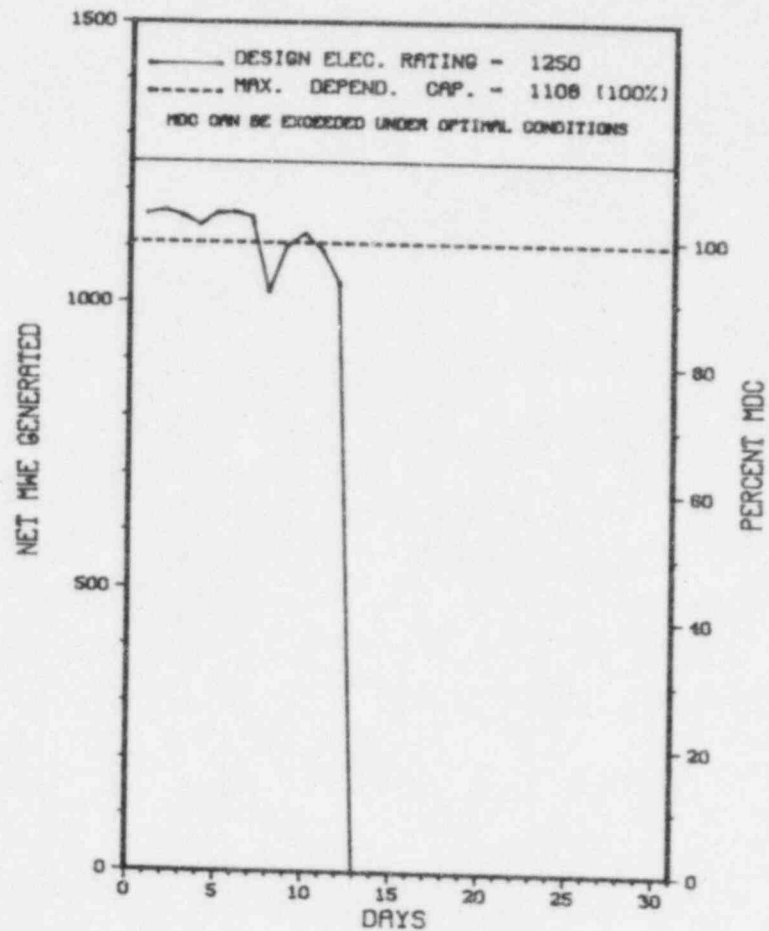
NONE

27. If Currently Shutdown Estimated Startup Date: 11/19/85

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-23	10/13/85	S	457.0	B	1				SCHEDULED MAINTENANCE OUTAGE. MAJOR MAINTENANCE ACTIVITIES INCLUDE: THE PERFORMANCE OF LOCAL LEAK RATE TESTS AND THE INTEGRATED LEAK RATE TEST, THE INSTALLATION OF HIGH DENSITY FUEL STORAGE RACKS.

***** GRAND GULF SHUTDOWN ON OCTOBER 13TH FOR MAINTENANCE.
 * SUMMARY *

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

* GRAND GULF 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MISSISSIPPI
COUNTY.....CLAIBORNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
VICKSBURG, MISS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 18, 1982
DATE ELEC ENER 1ST GENER...OCTOBER 20, 1984
DATE COMMERCIAL OPERATE...JULY 1, 1985
CONDENSER COOLING METHOD...CCHNDCT
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MISSISSIPPI POWER & LIGHT COMPANY
CORPORATE ADDRESS.....P.O. BOX 1640
JACKSON, MISSISSIPPI 39205
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. BUTCHER
LICENSING PROJ MANAGER.....L. KINTNER
DOCKET NUMBER.....50-416
LICENSE & DATE ISSUANCE...NPF-29, NOVEMBER 1, 1984
PUBLIC DOCUMENT ROOM.....HINDS JUNIOR COLLEGE
MC LENDON LIBRARY
RAYMOND, MISSISSIPPI 39154

INSPECTION SUMMARY

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

+ INSPECTION SEPTEMBER 16-20 (85-34): THIS UNANNOUNCED PHYSICAL SECURITY INSPECTION INVOLVED 30 INSPECTOR-HOURS (4 HOURS ON BACKSHIFT) INSPECTING: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIER - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; LIGHTING; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; COMMUNICATIONS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. THE INSPECTOR ALSO REVIEWED THE RESULTS OF A LICENSEE INVESTIGATION OF ALLEGED DRUG USE BY EMPLOYEES AND CONTRACTORS AT GRAND GULF. NO VIOLATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED IN THE 14 AREAS INSPECTED.

INSPECTION SEPTEMBER 17 - OCTOBER 10 (85-36): THIS ROUTINE INSPECTION ENTAILED 58 RESIDENT INSPECTOR-HOURS AT THE SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, ESF SYSTEM WALKDOWN, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, INSPECTOR FOLLOWUP AND UNRESOLVED ITEMS, AND TMI ACTION ITEMS. OF THE EIGHT AREAS INSPECTED, NO APPARENT VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; ONE APPARENT VIOLATION WAS IDENTIFIED IN ONE AREA AND IS CONSIDERED A SECOND EXAMPLE OF A PREVIOUSLY IDENTIFIED VIOLATION (50-416/85-33-04).

ENFORCEMENT SUMMARY

NONE

Report Period OCT 1985

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

* GRAND GULF 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ENTERED A MAINTENANCE OUTAGE ON 10/12/85. +

PLANT DECLARED COMMERCIAL ON 07/01/85.

LAST IE SITE INSPECTION DATE: SEPTEMBER 17 - OCTOBER 10, 1985 +

INSPECTION REPORT NO: 50-416/85-36 +

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
85-026	06/21/85	08/07/85	CONTAINMENT AIRLOCK TEST FLANGES NOT LEAK RATE TESTED THE TEST PORT FLANGE FOR EACH CONTAINMENT AIRLOCK WAS LEAK RATE TESTED.
85-031	08/16/85	09/16/85	TECHNICAL SPECIFICATION TIME LIMIT EXCEEDED THE SURVEILLANCE PROCEDURE IS BEING REVISED TO CLARIFY WHEN THE BATTER IS TO BE CONSIDERED INOPERABLE.
85-032	12/18/84	09/26/85	LIQUID EFFLUENT FLOW RATE ESTIMATE EXCEEDED LCO TIME LIMIT PROCEDURAL CONTROLS AT THE TIME WERE INADEQUATE.
85-034	09/06/85	10/04/85	STANDBY GAS TREATMENT FILTER TRAIN B EFFICIENCY BELOW T.S. LIMITS, THE MAINTENANCE INSTRUCTION WILL BE REVISED.
85-035	09/11/85	10/11/85	MSIV LEAKAGE CENTRAL VALVE TESTING EXCEEDS T.S. FREQUENCY, PROCEDURAL CHANGES ARE BEING MADE TO PREVENT RECURRENCE.

=====

1. Docket: 50-213 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>156,336.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>7,241.8</u>	<u>134,958.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>21.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>7,192.0</u>	<u>129,395.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>24.3</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>1,356,063</u>	<u>12,721,711</u>	<u>224,908,894</u>
18. Gross Elec Ener (MWH)	<u>448,998</u>	<u>4,153,948</u>	<u>73,812,667</u>
19. Net Elec Ener (MWH)	<u>428,883</u>	<u>3,958,781</u>	<u>70,221,772</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.6</u>	<u>82.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.9</u>	<u>83.0</u>
22. Unit Cap Factor (MDC Net)	<u>101.2</u>	<u>95.4</u>	<u>82.5*</u>
23. Unit Cap Factor (DER Net)	<u>98.9</u>	<u>93.2</u>	<u>77.2*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.4</u>	<u>5.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>104.0</u>	<u>1,292.1</u>

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

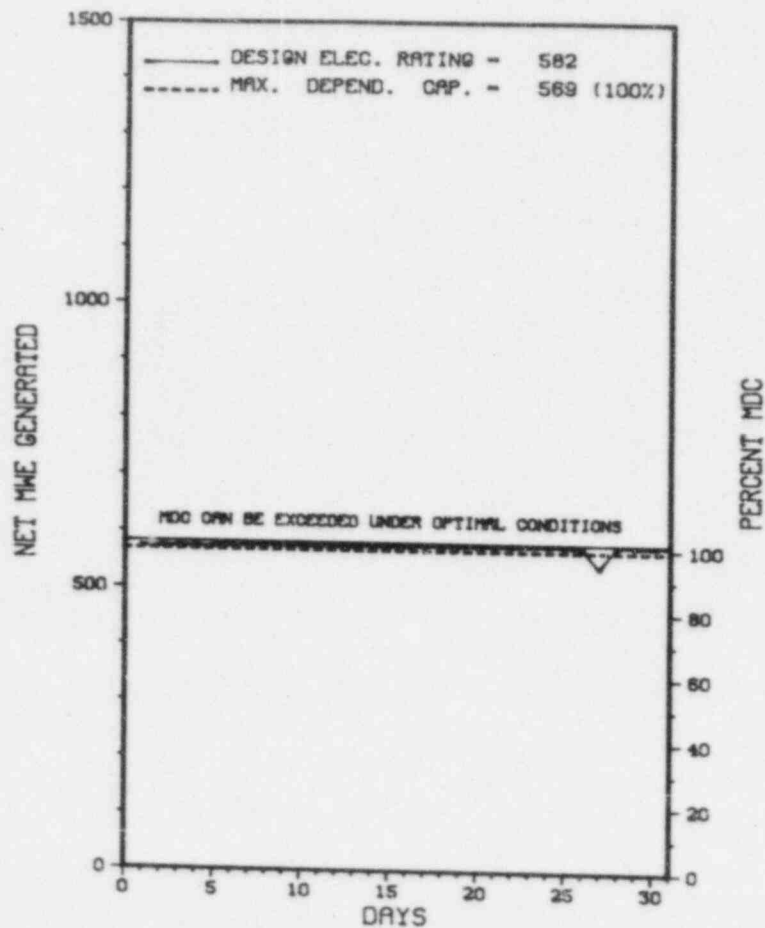
REFUELING: 01/04/86, 9 WEEKS

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

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

* SUMMARY *

CONNECTICUT YANKEE HADDAM NECK OPERATED AT FULL POWER IN OCTOBER.

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 OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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.

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

Report Period OCT 1985

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 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: MARK S. BOONE (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>745.0</u>	<u>7,296.0</u>	<u>86,208.0</u>
13. Hours Reactor Critical	<u>726.1</u>	<u>6,276.6</u>	<u>61,421.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>70.7</u>	<u>6,072.0</u>	<u>57,939.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,662,912</u>	<u>13,780,245</u>	<u>122,959,999</u>
18. Gross Elec Ener (MWH)	<u>555,740</u>	<u>4,509,100</u>	<u>39,755,630</u>
19. Net Elec Ener (MWH)	<u>515,461</u>	<u>4,306,099</u>	<u>37,753,909</u>
20. Unit Service Factor	<u>94.6</u>	<u>83.2</u>	<u>67.2</u>
21. Unit Avail Factor	<u>94.6</u>	<u>83.2</u>	<u>67.2</u>
22. Unit Cap Factor (MDC Net)	<u>92.0</u>	<u>78.5</u>	<u>58.2</u>
23. Unit Cap Factor (DER Net)	<u>89.0</u>	<u>76.0</u>	<u>56.4</u>
24. Unit Forced Outage Rate	<u>5.4</u>	<u>13.4</u>	<u>15.6</u>
25. Forced Outage Hours	<u>40.3</u>	<u>942.4</u>	<u>10,520.0</u>

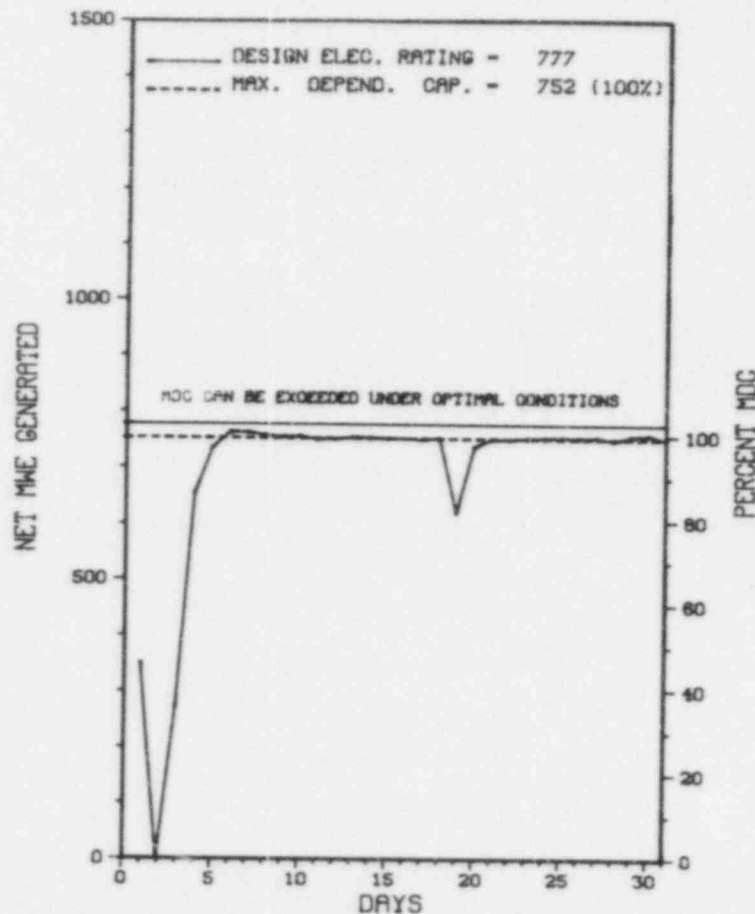
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: 11/30/85 - 14 WEEKS

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

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-077	10/01/85	F	40.3	A	2		HA	ELECON	SCRAM DUE TO GENERATOR GROUND FAULT.
85-078	10/03/85	S	0.0	A	5		HA	ELECON	RECOVERY FROM SCRAM.
85-079	10/04/85	S	0.0	B	5		HA	TURBIN	WEEKLY TURBINE TESTING.
85-080	10/19/85	S	0.0	B	5		RC	CONROD	ROD PATTERN ADJUSTMENT.

 * SUMMARY *

 HATCH 1 OPERATED WITH 1 OUTAGE AND 3 REDUCTIONS DURING OCTOBER.

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 OCT 1985

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.....P. HOLMES RAY
LICENSING PROJ MANAGER.....G. RIVENBARK
DOCKET NUMBER.....50-321
LICENSE & DATE ISSUANCE...DPR-57, OCTOBER 13, 1974
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 9-13 (85-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19.5 INSPECTOR-HOURS ONSITE IN THE AREA OF MAINTENANCE WELDING AND NONDESTRUCTIVE EXAMINATION (NDE) (UNITS 1 AND 2). ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW INSPECTION PROGRAM FOR CLASS 2 TUBING WELDS - PARAGRAPH 5.B(4) (A) AND 5.C(1)(B). NO DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 31 - OCTOBER 11 (85-27): THIS INSPECTION INVOLVED 98 INSPECTOR-HOURS ONSITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND TMI TASK ACTION PLAN ITEMS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 23-27 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE IN THE AREAS OF FIRE PROTECTION AND PREVENTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 16-20 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ONSITE (TWO HOURS ON BACKSHIFT) INSPECTING: PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREA; ALARM STATIONS; GUARD TRAINING AND QUALIFICATION; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION, AND PHYSICAL BARRIERS - PROTECTED AREA. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TWO INSPECTOR FOLLOW-UP ITEMS AND AN UNRESOLVED ITEM WERE IDENTIFIED IN THE AREAS OF RECORDS AND REPORTS, TESTING AND MAINTENANCE AND PHYSICAL BARRIERS - PROTECTED AREA.

1. Docket: 50-366 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: MARK S. BOONE (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>745.0</u>	<u>7,296.0</u>	<u>53,977.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,046.4</u>	<u>36,394.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,947.2</u>	<u>34,714.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,793,904</u>	<u>14,036,568</u>	<u>75,588,191</u>
18. Gross Elec Ener (MWH)	<u>596,260</u>	<u>4,650,090</u>	<u>24,943,140</u>
19. Net Elec Ener (MWH)	<u>571,672</u>	<u>4,447,916</u>	<u>23,741,983</u>
20. Unit Service Factor	<u>100.0</u>	<u>81.5</u>	<u>64.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>81.5</u>	<u>64.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.6</u>	<u>81.5</u>	<u>58.8</u>
23. Unit Cap Factor (DER Net)	<u>97.9</u>	<u>77.8</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.7</u>	<u>9.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>163.4</u>	<u>3,827.8</u>

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

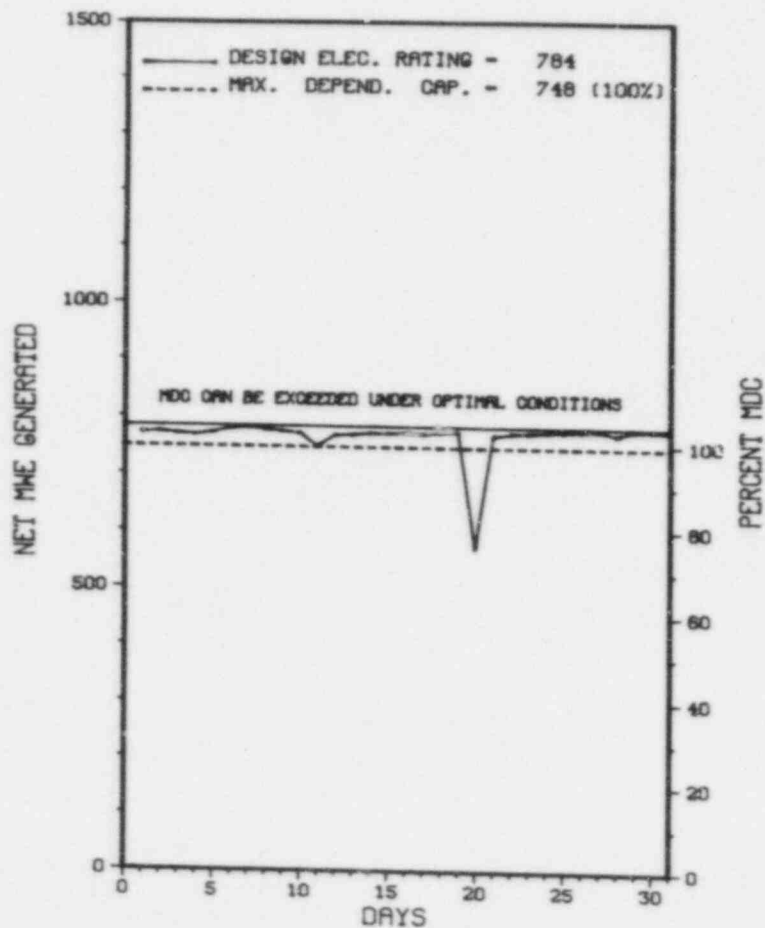
NONE

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

 * HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-049	10/11/85	F	0.0	B	5		HH	DEMINX	BACKWASH OF CONDENSATE DEMINS.
85-050	10/20/85	S	0.0	B	5		RC	CONROD	SCRAM TIME TESTING.

***** HATCH 2 OPERATED WITH 2 REDUCTIONS DURING OCTOBER.
 * 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 OCT 1985

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.....P. HOLMES RAY
LICENSING PROJ MANAGER....G. RIVENBARK
DOCKET NUMBER.....50-366
LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 9-13 (85-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19.5 INSPECTOR-HOURS ONSITE IN THE AREA OF MAINTENANCE WELDING AND NONDESTRUCTIVE EXAMINATION (NDE) (UNITS 1 AND 2). ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW INSPECTION PROGRAM FOR CLASS 2 TUBING WELDS - PARAGRAPH 5.B(4) (A) AND 5.C(1)(B). NO DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 31 - OCTOBER 11 (85-27): THIS INSPECTION INVOLVED 98 INSPECTOR-HOURS ONSITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND TMI TASK ACTION PLAN ITEMS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 23-27 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE IN THE AREAS OF FIRE PROTECTION AND PREVENTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 16-20 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ONSITE (TWO HOURS BACKSHIFT) INSPECTING: PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREA; ALARM STATIONS; GUARD TRAINING AND QUALIFICATION; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION, AND PHYSICAL BARRIERS - PROTECTED AREA. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TWO INSPECTOR FOLLOW-UP ITEMS AND AN UNRESOLVED ITEM WERE IDENTIFIED IN THE AREAS OF RECORDS AND REPORTS, TESTING AND MAINTENANCE AND PHYSICAL BARRIERS - PROTECTED AREA.

Report Period OCT 1985

INSPECTION STATUS - (CONTINUED)

* HATCH 2 *

ENFORCEMENT SUMMARY

10 CFR 50.59(A)(1)(I) STATES THAT THE HOLDER OF A LICENSE AUTHORIZING OPERATION OF A PRODUCTION OR UTILIZATION FACILITY MAY MAKE CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT WITHOUT PRIOR COMMISSION APPROVAL, UNLESS THE PROPOSED CHANGE INVOLVES A CHANGE IN THE TECHNICAL SPECIFICATIONS INCORPORATED IN THE LICENSE OR AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, THE UNIT 2 DRYWELL PNEUMATIC SYSTEM WAS MODIFIED DURING THE RECIRCULATING SYSTEM PIPING REPLACEMENT OUTAGE WHICH COMMENCED IN JANUARY 1984 AND THE REQUIRED TECHNICAL SPECIFICATION CHANGE WAS NOT SUBMITTED UNTIL AUGUST 1985. FAILURE TO CONTROL ACCESS TO VITAL EQUIPMENT. FAILURE TO CONTROL ACCESS TO THE PROTECTED AREA.
(8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OPERATING AT 100%.

LAST IE SITE INSPECTION DATE: AUGUST 31 - OCTOBER 11, 1985 +

INSPECTION REPORT NO: 50-366/85-27 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-027	09/04/85	09/27/85	UNPLANNED PRIMARY CONTAINMENT ISOLATION VALVE ACTUATION THE FUSE BLEW WHEN A JUMPER CAME OFF 1 RELAY TERMINAL.

1. Docket: 50-247 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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

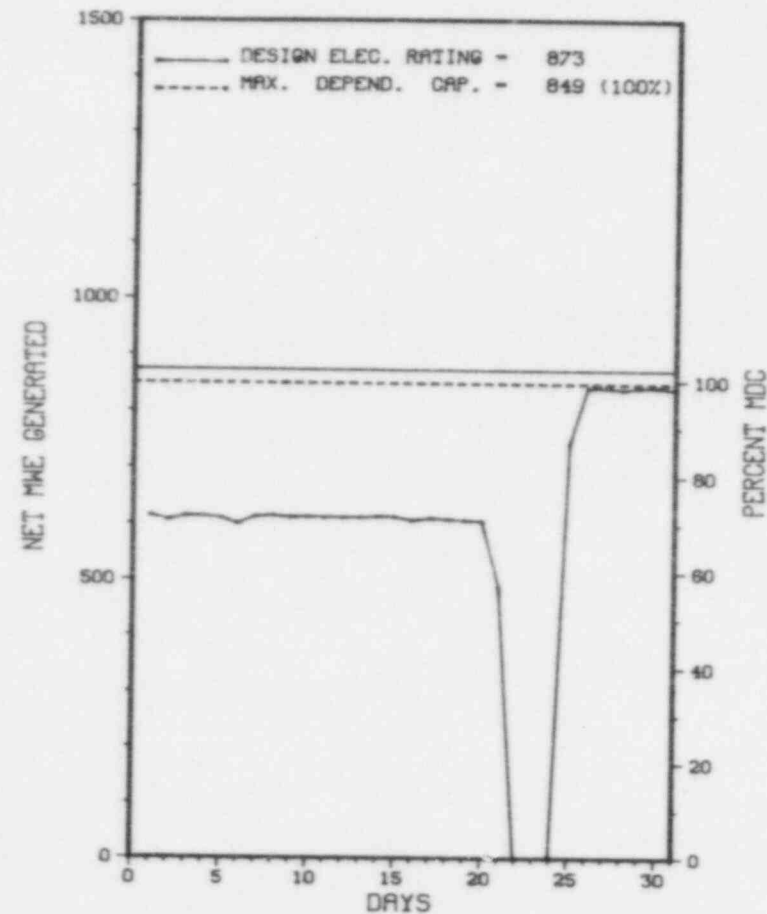
10. Power Level To Which Restricted, If Any (Net MWe): 610

11. Reasons for Restrictions, If Any:
MAIN TRANSFORMER OUT OF SERVICE.

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



OCTOBER 1985

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	745.0	7,296.0	99,385.0
13. Hours Reactor Critical	681.0	7,067.3	67,733.3
14. Rx Reserve Shtdwn Hrs	61.8	152.6	2,497.6
15. Hrs Generator On-Line	672.9	6,957.5	65,707.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,516,040	18,325,399	171,037,654
18. Gross Elec Ener (MWH)	466,210	5,750,880	53,068,496
19. Net Elec Ener (MWH)	443,313	5,526,847	50,040,666
20. Unit Service Factor	90.3	95.4	66.1
21. Unit Avail Factor	90.3	95.4	66.1
22. Unit Cap Factor (MDC Net)	70.1	88.8	59.3*
23. Unit Cap Factor (DER Net)	68.2	86.8	57.7
24. Unit Forced Outage Rate	.5	3.7	9.2
25. Forced Outage Hours	3.7	270.1	6,438.7

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

REFUELING & MAINTENANCE: 01/15/86 - 2 MONTHS

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

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	10/21/85	S	68.4	H	1		EB	TRANSF	SCHEDULED OUTAGE TO RETURN NO. 21 MAIN TRANSFORMER TO SERVICE.
11	10/24/85	F	3.7	G	3	85-014	CH	HTEXCH	23 STEAM GENERATOR HIGHLEVEL - TRAINING RELATED OPERATOR ERROR.

 * SUMMARY *

 INDIAN POINT 2 OPERATED ROUTINELY WITH 2 OUTAGES DURING OCTOBER.

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X INDIAN POINT 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period OCT 1985

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.....L. ROSSBACH
LICENSING PROJ MANAGER....M. SLOSSON
DOCKET NUMBER.....50-247
LICENSE & DATE ISSUANCE...DPR-26, SEPTEMBER 28, 1973
PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period OCT 1985

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

* INDIAN POINT 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED			

=====

1. Docket: 50-286 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>80,401.0</u>
13. Hours Reactor Critical	<u>715.3</u>	<u>4,443.4</u>	<u>45,809.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>640.9</u>	<u>4,345.8</u>	<u>44,194.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>788,038</u>	<u>11,023,701</u>	<u>114,672,837</u>
18. Gross Elec Ener (MWH)	<u>266,970</u>	<u>3,625,380</u>	<u>36,267,546</u>
19. Net Elec Ener (MWH)	<u>208,821</u>	<u>3,438,697</u>	<u>34,724,565</u>
20. Unit Service Factor	<u>86.0</u>	<u>59.6</u>	<u>55.0</u>
21. Unit Avail Factor	<u>86.0</u>	<u>59.6</u>	<u>55.0</u>
22. Unit Cap Factor (MDC Net)	<u>29.0</u>	<u>48.8</u>	<u>44.8</u>
23. Unit Cap Factor (DER Net)	<u>29.0</u>	<u>48.8</u>	<u>44.8</u>
24. Unit Forced Outage Rate	<u>2.3</u>	<u>2.3</u>	<u>20.2</u>
25. Forced Outage Hours	<u>15.3</u>	<u>101.4</u>	<u>11,168.5</u>

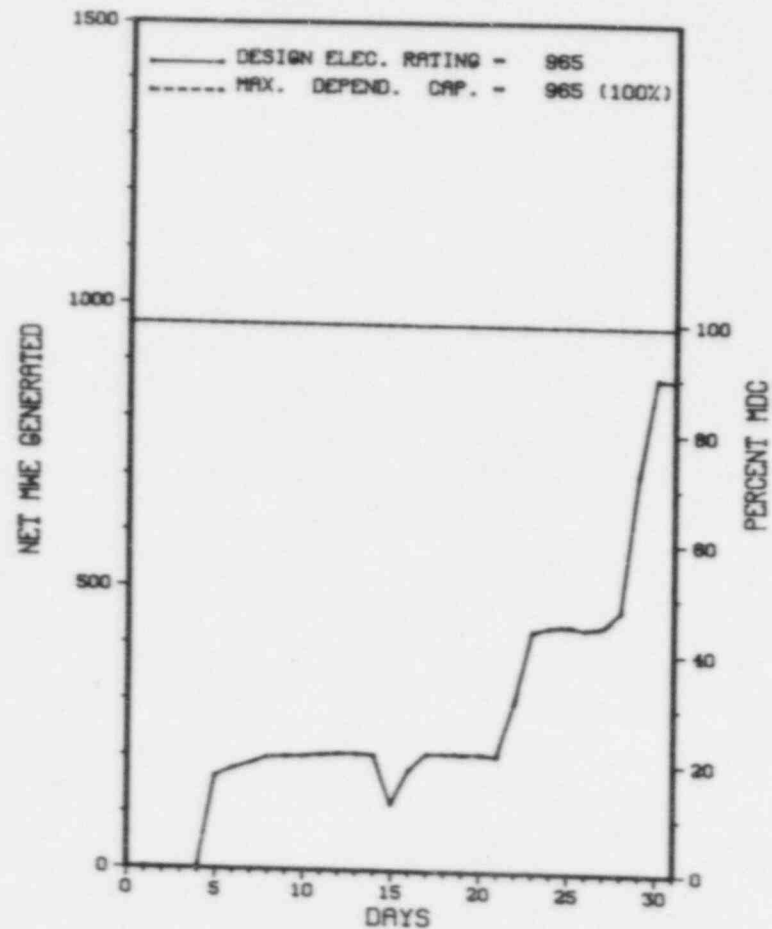
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
STEAM GENERATOR INSP OUTAGE - APRIL 1986.

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

XX
* INDIAN POINT 3 *
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
06	06/08/85	S	88.8	C	4		ZZ	ZZZZZZ	UNIT IN A SCHEDULED CYCLE IV - V REFUELING OUTAGE.
07	10/04/85	F	5.2	A	3	85-006-00	CH	VALVEX	HI HI LEVEL NO. 33 STEAM GENERATOR DUE TO FEEDWATER TRANSIENT AND A SLUGGISH FEEDWATER REGULATING VALVE.
08	10/15/85	F	10.1	A	3	85-007-00	HA	ZZZZZZ	TURBINE AUTOSTOP OIL SYSTEM INITIATED A UNIT TRIP DUE TO FOREIGN MATTER IN THE MAIN TURBINE HIGH PRESSURE (HP) OIL SYSTEM.

 * SUMMARY *

 INDIAN POINT 3 RETURNED ONLINE FROM REFUELING ON OCTOBER 5TH AND OPERATED WITH 2 ADDITIONAL OUTAGES DURING OCTOBER.

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
INDIAN POINT 3 #
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period OCT 1985

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.....P. KOLTAY
LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-286
LICENSE & DATE ISSUANCE...DPR-64, APRIL 5, 1976
PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period OCT 1985

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

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

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: 50-305 OPERATING STATUS
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: G. RUITER (414) 388-2560 Y207
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	745.0	7,296.0	99,745.0
13. Hours Reactor Critical	745.0	5,824.7	84,575.3
14. Rx Reserve Shtdwn Hrs	.0	.0	2,330.5
15. Hrs Generator On-Line	745.0	5,782.0	83,122.9
16. Unit Reserve Shtdwn Hrs	.0	.0	10.0
17. Gross Therm Ener (MMH)	1,222,974	9,338,214	130,405,358
18. Gross Elec Ener (MMH)	409,400	3,112,600	42,969,900
19. Net Elec Ener (MMH)	390,317	2,965,984	40,908,020
20. Unit Service Factor	100.0	79.2	83.3
21. Unit Avail Factor	100.0	79.2	83.3
22. Unit Cap Factor (MDC Net)	104.2	80.8	79.2*
23. Unit Cap Factor (DER Net)	97.9	76.0	76.7
24. Unit Forced Outage Rate	.0	.3	3.3
25. Forced Outage Hours	.0	14.7	2,760.1

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

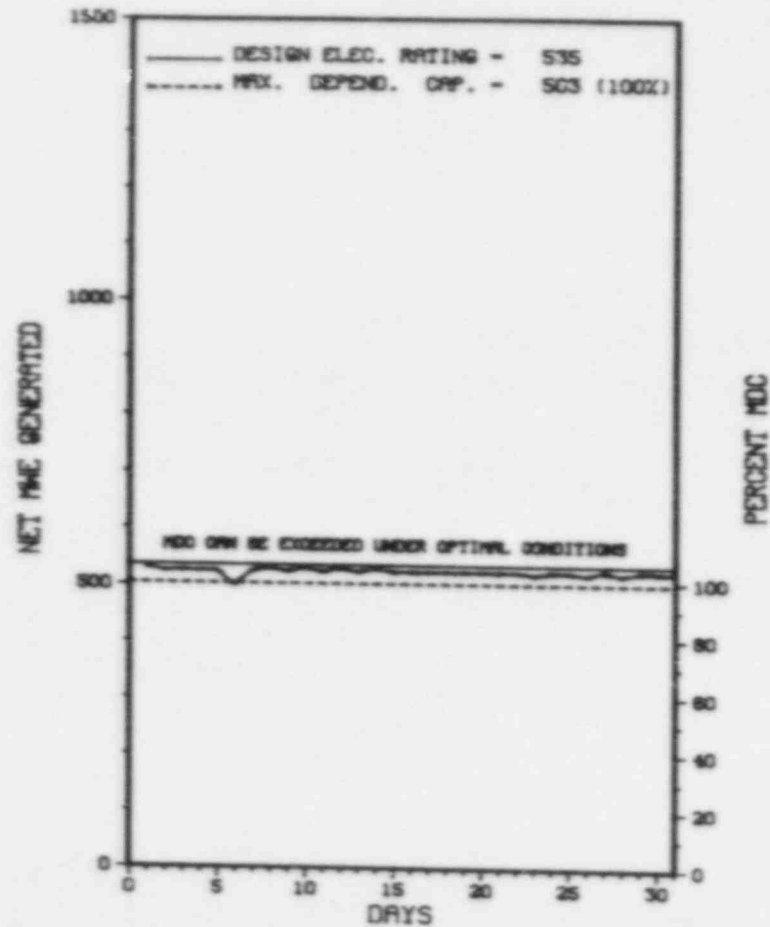
REFUELING OUTAGE: FEBRUARY 28, 1986 - 8 WEEKS

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

XX
 * KENAUWEE *
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* Kewaunee *

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

* SUMMARY *

Kewaunee operated at full power during October.

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

* Kewaunee *

FACILITY DATA

Report Period OCT 1985

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 16 THROUGH OCTOBER 15 (85013): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; AND MAINTENANCE. THE INSPECTION INVOLVED A TOTAL OF 115 INSPECTOR-HOURS BY ONE INSPECTOR INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO SIGNIFICANT SAFETY ISSUES WERE IDENTIFIED. THREE FINDINGS FROM PRIOR NRC INSPECTIONS WERE CLOSED.

INSPECTION ON AUGUST 28 AND 29 (85015): ROUTINE ANNOUNCED INSPECTION OF LICENSEE ACTIONS OF PREVIOUS INSPECTION FINDINGS, PROGRAM ON REACTOR COOLING SYSTEM LEAK RATE TESTING, AND LICENSEE ACTIONS REGARDING IE BULLETIN 84-03. THE INSPECTION INVOLVED A TOTAL OF 12 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

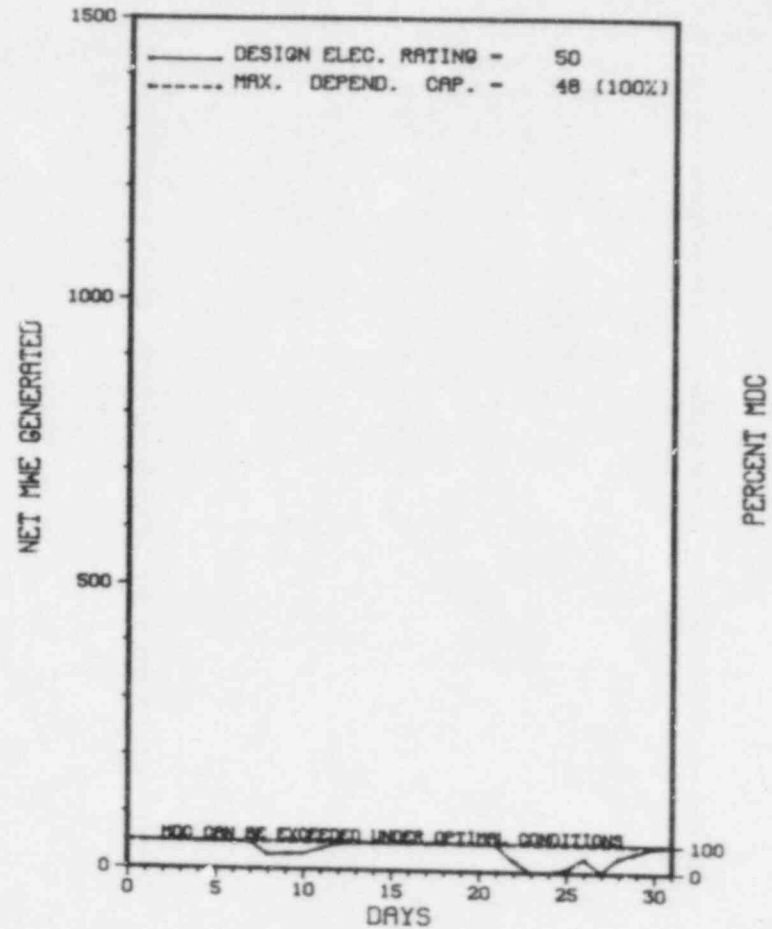
1. Docket: 50-40 OPERATING STATUS
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: L. S. GOODMAN (608) 689-2331
4. Licensed Thermal Power (Mwt): 165
5. Nameplate Rating (Gross MWe): 76.8 X 0.85 = 65
6. Design Electrical Rating (Net MWe): 50
7. Maximum Dependable Capacity (Gross MWe): 50
8. Maximum Dependable Capacity (Net MWe): 48
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>140,259.0</u>
13. Hours Reactor Critical	<u>682.2</u>	<u>6,293.2</u>	<u>94,474.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>648.8</u>	<u>6,133.6</u>	<u>88,037.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>94,151</u>	<u>885,505</u>	<u>12,232,897</u>
18. Gross Elec Ener (MWH)	<u>29,187</u>	<u>272,589</u>	<u>3,668,200</u>
19. Net Elec Ener (MWH)	<u>27,408</u>	<u>255,719</u>	<u>3,401,558</u>
20. Unit Service Factor	<u>87.1</u>	<u>84.1</u>	<u>62.8</u>
21. Unit Avail Factor	<u>87.1</u>	<u>84.1</u>	<u>62.8</u>
22. Unit Cap Factor (MDC Net)	<u>76.6</u>	<u>73.0</u>	<u>50.5</u>
23. Unit Cap Factor (DER Net)	<u>73.6</u>	<u>70.1</u>	<u>48.5</u>
24. Unit Forced Outage Rate	<u>12.9</u>	<u>3.8</u>	<u>9.8</u>
25. Forced Outage Hours	<u>96.2</u>	<u>241.9</u>	<u>8,595.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING, MARCH 2, 1986, 5-6 WEEKS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X LA CROSSE X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LA CROSSE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-10	10/07/85	S	0.0	H	5		HC	HTEXCH	POWER WAS REDUCED TO ALLOW CLEANING OF CONDENSER TUBES.
85-11	10/22/85	F	74.8	G	3	85-17	EA	CKTBRK	REACTOR AUTOMATICALLY SHUTDOWN DURING LOSS OF LOAD TRANSIENT CAUSED WHEN A SWITCHYARD WORKER BUMPED THE EMERGENCY TRIP LEVEL ON THE 69 KV TIE LINE BREAKER DURING MAINTENANCE. THE TRIP LEVER WAS REMOVED. DURING THE REACTOR STARTUP ON 10/23/85 AN APPARENT MALFUNCTION OF THE REACTOR PROTECTIVE SYSTEM OCCURRED AND THE REACTOR WAS MANUALLY SHUTDOWN.
85-12	10/26/85	F	21.4	A	3	85-19	RB	CRDRVE	REACTOR AUTOMATICALLY SHUTDOWN DUE TO A MOMENTARY SHORT IN THE CONTROL ROD DRIVE (CRD) GAS PRESSURE CIRCUIT BELIEVED TO BE CAUSED BY WATER LEAKING FROM THE MECHANICAL SEAL ON UPPER CRD MECHANISM NO. 2.

 * SUMMARY *

 LACROSSE OPERATED WITH 1 REDUCTION AND 2 OUTAGES DURING OCTOBER.

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		

* LA CROSSE *

FACILITY DATA

Report Period OCT 1985

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.....I. VILLALVA
LICENSING PROJ MANAGER.....J. STANG
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

INSPECTION SUMMARY

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

INSPECTION FROM JUNE 18 THROUGH OCTOBER 15 (85012): ROUTINE, UNANNOUNCED INSPECTIONS BY THE RESIDENT INSPECTOR AND A REGION-BASED INSPECTOR OF LICENSEE ACTIVITIES ON OPERATIONAL SAFETY, MONTHLY SURVEILLANCE OBSERVATION, LICENSEE EVENT REPORTS, IE BULLETINS, PLANT TRIP, AND SAFETY REVIEW COMMITTEE MEETING. THE INSPECTION INVOLVED A TOTAL OF 100 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING A TOTAL OF TEN INSPECTOR-HOURS DURING BACK SHIFTS. NO VIOLATIONS OF NRC REQUIREMENTS WERE NOTED.

INSPECTION ON SEPTEMBER 16 THROUGH OCTOBER 4 (85014): ROUTINE, ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; MAINTENANCE; QA/QC ADMINISTRATION; TESTS AND EXPERIMENTS; RECEIPT, STORAGE AND HANDLING; AND PROCUREMENT. THE INSPECTION INVOLVED 72 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 16-20 (85015): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING, INTERNAL AND EXTERNAL EXPOSURE CONTROLS, CONTAMINATION CONTROLS, ALARA, AND AUDITS. ALSO REVIEWED WAS PREVIOUS INSPECTION FINDINGS, IE INFORMATION NOTICES, AND THE PLANNED LOW LEVEL SOLID RADWASTE STORAGE FACILITY. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. ONE VIOLATION WAS IDENTIFIED (FAILURE TO MAINTAIN WHOLE BODY DOSE RECORDS IN ACCORDANCE WITH REQUIREMENTS).

ENFORCEMENT SUMMARY

NONE

Report Period OCT 1985

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

* LA CROSSE *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: NOVEMBER 12 - 15, 1985

INSPECTION REPORT NO: 85020

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
85-16	09/14/85	10/07/85	REACTOR SCRAM - FUSE 32-1 SHORTED DURING RECORDER MAINTENANCE

1. Docket: 50-373 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: JAMES P. PETERS (815) 357-6761

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>745.0</u>	<u>7,296.0</u>	<u>16,080.0</u>
13. Hours Reactor Critical	<u>424.0</u>	<u>5,757.5</u>	<u>12,037.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>476.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>419.2</u>	<u>5,584.9</u>	<u>11,639.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>988,920</u>	<u>15,390,361</u>	<u>38,349,668</u>
18. Gross Elec Ener (MWH)	<u>317,976</u>	<u>5,028,751</u>	<u>10,499,394</u>
19. Net Elec Ener (MWH)	<u>300,185</u>	<u>4,827,461</u>	<u>10,033,670</u>
20. Unit Service Factor	<u>56.3</u>	<u>76.5</u>	<u>72.4</u>
21. Unit Avail Factor	<u>56.3</u>	<u>76.5</u>	<u>72.4</u>
22. Unit Cap Factor (MDC Net)	<u>38.9</u>	<u>63.9</u>	<u>60.2</u>
23. Unit Cap Factor (DER Net)	<u>37.4</u>	<u>61.4</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>19.9</u>	<u>17.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,385.3</u>	<u>2,458.4</u>

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

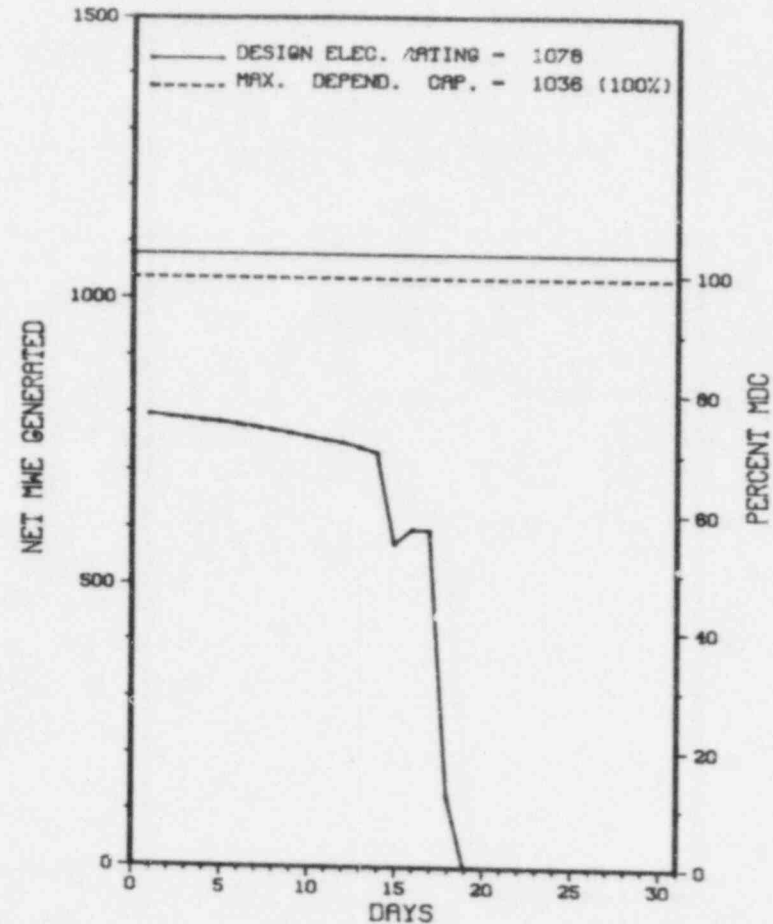
NONE

27. If Currently Shutdown Estimated Startup Date: 04/15/86

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
17	10/15/85	S	0.0	F	5				POWER REDUCTION FOR CONDENSER IN LEAKAGE TEST.
18	10/18/85	S	325.8	C	2				MANUAL REDUCTION IN POWER FOR REFUELING OUTAGE. MANUAL SCRAM FOR SDV (SCRAM DISCHARGE VOLUME TESTING).

***** LASALLE 1 SHUTDOWN ON OCTOBER 18TH FOR REFUELING.
 * SUMMARY *

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

* LASALLE 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LA SALLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI SE OF
OTTAWA, ILL
TYPE OF REACTOR.....BWP
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

INSPECTION SUMMARY

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

INSPECTION ON JULY 25 THROUGH SEPTEMBER 6 (85024): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY SURVEILLANCE; MONTHLY MAINTENANCE; LICENSEE EVENT REPORTS; UNIT TRIPS; PREPARATION FOR REFUELING; POTENTIAL STRIKE ACTIONS; REGIONAL REQUESTS; AND ENVIRONMENTAL QUALIFICATION REPLACEMENT. THE INSPECTION INVOLVED A TOTAL OF 250 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 56 HOURS ONSITE DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED, NO DEVIATIONS OR VIOLATIONS WERE IDENTIFIED IN EIGHT AREAS; TWO VIOLATIONS WERE IDENTIFIED IN THE TWO REMAINING AREAS (FAILURE TO FOLLOW PROCEDURES; AND FAILURE TO HAVE ADEQUATE DOCUMENT CONTROL. THE VIOLATIONS ARE CONSIDERED TO HAVE ONLY MINOR SAFETY SIGNIFICANCE. THEY DO, HOWEVER, REPRESENT ADDITIONAL EXAMPLES OF AREAS THAT NEED INCREASED MANAGEMENT INVOLVEMENT.

INSPECTION ON SEPTEMBER 7-30 (85030): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; INTERIM RADWASTE STORAGE; LICENSEE EVENT REPORTS; HEADQUARTERS REQUESTS; AND LICENSEE TRAINING. THE INSPECTION INVOLVED A TOTAL OF 203 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 36 HOURS ONSITE DURING OFF-SHIFTS. THE LICENSEE CONTINUES TO HAVE DIFFICULTY IN RESOLVING THE PROBLEM WITH UNNECESSARY ESF ACTUATIONS OF THE CHLORINE DETECTORS AND THE RECURRING PROBLEM OF HIGH RADIATION DOORS BEING LEFT OPEN. THE LICENSEE'S CORRECTIVE ACTIONS IN THESE AREAS HAVE NOT BEEN EFFECTIVE TO PREVENT RECURRENCE. THE LICENSEE'S PLANNING AND SCHEDULING OF WORK TO BE ACCOMPLISHED DURING THE UPCOMING UNIT 1 OUTAGE HAS NOT BEEN EFFECTIVE AS INDICATED BY THE NECESSITY TO ACQUIRE TWO EMERGENCY CHANGES TO THE TECHNICAL SPECIFICATIONS BECAUSE THE LICENSEE HAD ORIGINALLY OVERLOOKED ITEMS OF WHICH WOULD HAVE REQUIRED AN EARLY SHUTDOWN OF UNIT 1. FURTHER, THE INSPECTORS HAVE BEEN REQUESTING AN OVERALL SCHEDULE OF THE WORK PLANNED FOR THE UPCOMING OUTAGE AND AT THE END OF THE INSPECTION PERIOD HAVE NOT BEEN PROVIDED WITH A SCHEDULE. THE LICENSEE DOES APPEAR

1. Docket: 50-374 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: JAMES P. PETERS (815) 357-6761
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>745.0</u>	<u>7,296.0</u>	<u>9,072.0</u>
13. Hours Reactor Critical	<u>492.5</u>	<u>3,558.8</u>	<u>5,170.6</u>
14. Rx Reserve Shtdwn Hrs	<u>252.4</u>	<u>316.5</u>	<u>441.7</u>
15. Hrs Generator On-Line	<u>492.5</u>	<u>3,508.8</u>	<u>5,046.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,610,640</u>	<u>10,562,126</u>	<u>15,074,718</u>
18. Gross Elec Ener (MWH)	<u>536,160</u>	<u>3,485,440</u>	<u>4,970,435</u>
19. Net Elec Ener (MWH)	<u>515,066</u>	<u>3,311,157</u>	<u>4,703,274</u>
20. Unit Service Factor	<u>66.1</u>	<u>48.1</u>	<u>55.6</u>
21. Unit Avail Factor	<u>66.1</u>	<u>48.1</u>	<u>55.6</u>
22. Unit Cap Factor (MDC Net)	<u>66.7</u>	<u>43.8</u>	<u>50.0</u>
23. Unit Cap Factor (DER Net)	<u>64.1</u>	<u>42.1</u>	<u>48.1</u>
24. Unit Forced Outage Rate	<u>33.9</u>	<u>8.6</u>	<u>10.1</u>
25. Forced Outage Hours	<u>252.5</u>	<u>329.2</u>	<u>567.8</u>

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

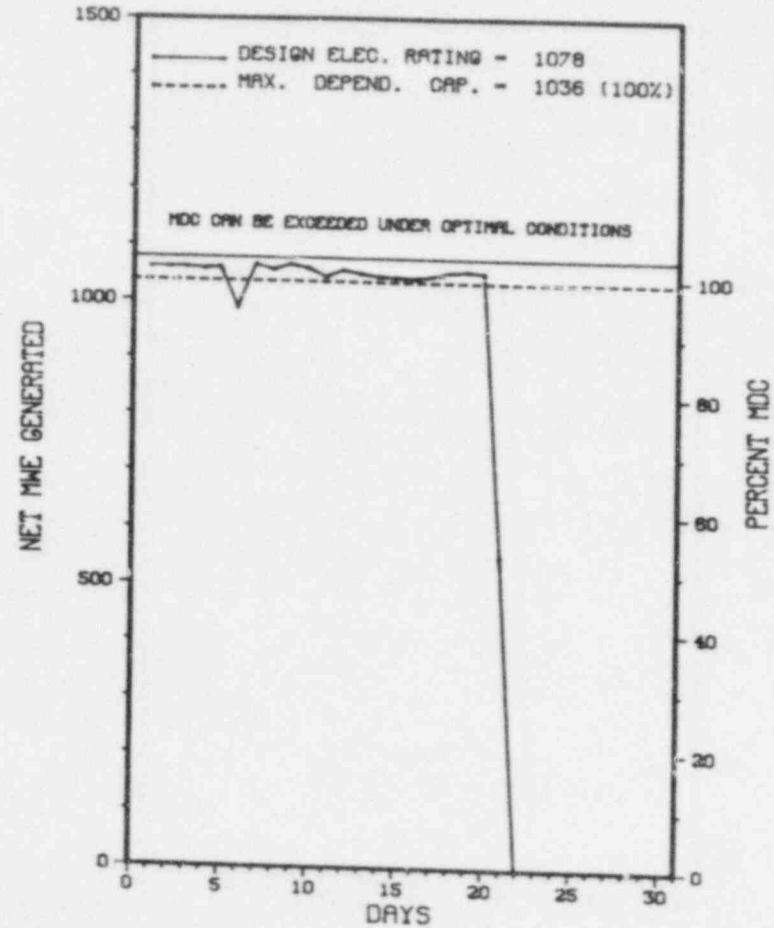
NONE

27. If Currently Shutdown Estimated Startup Date: 11/23/85

 * LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
11	10/21/85	F	252.5	B	3			REACTOR SCRAM ON SPURIOUS STEAM-LINE ISOLATION DURING AN INSTRUMENT MAINTENANCE SURVEILLANCE.

* SUMMARY *

LASALLE 2 SHUTDOWN ON OCTOBER 21ST 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 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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...OCTOBER 19, 1984
CONDENSER COOLING METHOD...POND
CONDENSER COOLING WATER...RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....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 JULY 25 THROUGH SEPTEMBER 6 (85025): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY SURVEILLANCE; MONTHLY MAINTENANCE; LICENSEE EVENT REPORTS; UNIT TRIPS; PREPARATION FOR REFUELING; POTENTIAL STRIKE ACTIONS; REGIONAL REQUESTS; AND ENVIRONMENTAL QUALIFICATION REPLACEMENT. THE INSPECTION INVOLVED A TOTAL OF 250 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 56 HOURS ONSITE DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED, NO DEVIATIONS OR VIOLATIONS WERE IDENTIFIED IN EIGHT AREAS; TWO VIOLATIONS WERE IDENTIFIED IN THE TWO REMAINING AREAS (FAILURE TO FOLLOW PROCEDURES; AND FAILURE TO HAVE ADEQUATE DOCUMENT CONTROL. THE VIOLATIONS ARE CONSIDERED TO HAVE ONLY MINOR SAFETY SIGNIFICANCE. THEY DO, HOWEVER, REPRESENT ADDITIONAL EXAMPLES OF AREAS THAT NEED INCREASED MANAGEMENT INVOLVEMENT.

INSPECTION ON SEPTEMBER 7-30 (85031): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; INTERIM RADWASTE STORAGE; LICENSEE EVENT REPORTS; HEADQUARTERS REQUESTS; AND LICENSEE TRAINING. THE INSPECTION INVOLVED A TOTAL OF 203 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 36 HOURS ONSITE DURING OFF-SHIFTS. THE LICENSEE CONTINUES TO HAVE DIFFICULTY IN RESOLVING THE PROBLEM WITH UNNECESSARY ESF ACTUATIONS OF THE CHLORINE DETECTORS AND THE RECURRING PROBLEM OF HIGH RADIATION DOORS BEING LEFT OPEN. THE LICENSEE'S CORRECTIVE ACTIONS IN THESE AREAS HAVE NOT BEEN EFFECTIVE TO PREVENT RECURRENCE. THE LICENSEE'S PLANNING AND SCHEDULING OF WORK TO BE ACCOMPLISHED DURING THE UPCOMING UNIT 1 OUTAGE HAS NOT BEEN EFFECTIVE AS INDICATED BY THE NECESSITY TO ACQUIRE TWO EMERGENCY CHANGES TO THE TECHNICAL SPECIFICATIONS BECAUSE THE LICENSEE HAD ORIGINALLY OVERLOOKED ITEMS OF WHICH WOULD HAVE REQUIRED AN EARLY SHUTDOWN OF UNIT 1. FURTHER, THE INSPECTORS HAVE BEEN REQUESTING AN OVERALL SCHEDULE OF THE WORK PLANNED FOR THE UPCOMING OUTAGE AND AT THE END OF THE INSPECTION PERIOD HAVE NOT BEEN PROVIDED WITH A SCHEDULE. THE LICENSEE DOES APPEAR

1. Docket: 50-352 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: BILL ALDEN (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

5. Nameplate Rating (Gross MWe): 1092

6. Design Electrical Rating (Net MWe): 1055

7. Maximum Dependable Capacity (Gross MWe): 1055

8. Maximum Dependable Capacity (Net MWe): 1055

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>745.0</u>	<u>4,833.0</u>	<u>4,833.0</u>
13. Hours Reactor Critical	<u>603.6</u>	<u>2,187.9</u>	<u>2,187.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>567.2</u>	<u>1,494.5</u>	<u>1,494.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>941,899</u>	<u>1,869,408</u>	<u>1,869,408</u>
18. Gross Elec Ener (MWH)	<u>261,908</u>	<u>441,086</u>	<u>441,086</u>
19. Net Elec Ener (MWH)	<u>242,341</u>	<u>366,479</u>	<u>366,479</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>21.3</u>	<u>108.8</u>	<u>108.8</u>

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

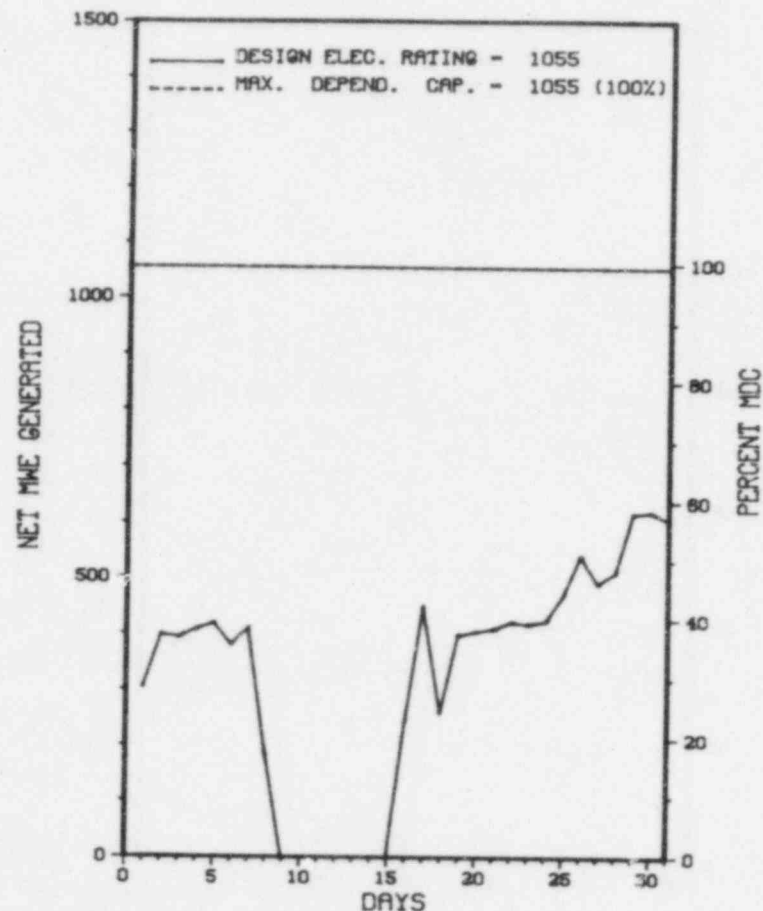
NONE

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

 * LIMERICK 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LIMERICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	10/08/85	S	156.5	B	4		ZZ	ZZZZZZ	PLANNED TURBINE TRIP FOR STP27.3. MAIN TURBINE TRIP FOR TC-3 BY ACTUATING THE MANUAL TURBINE TRIP PUSHBUTTON FOLLOWED BY REACTOR SCRAM AND CLOSURE OF 4 MAIN TURBINE STOP VALVES.
10	10/15/85	F	21.3	H	9	85-83	HH	PUMPXX	LOW LEVEL REACTOR SCRAM CAUSED BY REACTOR PRESSURE INCREASING BEYOND THE CAPABILITY OF THE CONDENSATE PUMPS PRIOR TO REACTOR FEEDPUMP BEING PLACED IN SERVICE.
11	10/31/85	F	0.0	H	5		EB	ELECON	LOAD REDUCTION FROM 68% TO 43% DUE TO RECIRC RUNBACK CAUSED BY LOOSE CONNECTION AT PIN 3 ON POWER SUPPLY C-32-K163.

***** LIMERICK 1 OPERATED WITH 2 OUTAGES AND 1 REDUCTION DURING OCTOBER.
 * 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)

* LIMERICK 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....MONTGOMERY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI NW OF
PHILADELPHIA,PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...DECEMBER 22, 1985
DATE ELEC ENER 1ST GENER...APRIL 13, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CC HNDCT
CONDENSER COOLING WATER...SCHUYLKILL 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.....G. KELLY
LICENSING PROJ MANAGER.....R. MARTIN
DOCKET NUMBER.....50-352
LICENSE & DATE ISSUANCE...NPF-39, AUGUST 8, 1985
PUBLIC DOCUMENT ROOM.....POTTSTOWN PUBLIC LIBRARY
500 HIGH STREET
POTTSTOWN, PENNSYLVANIA 19464

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: 50-309 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: K. L. EMBRY (207) 623-3521

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>745.0</u>	<u>7,296.0</u>	<u>113,772.6</u>
13. Hours Reactor Critical	<u>191.8</u>	<u>5,599.8</u>	<u>90,900.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>135.2</u>	<u>5,514.6</u>	<u>88,128.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>196,078</u>	<u>13,241,870</u>	<u>198,550,787</u>
18. Gross Elec Ener (MWH)	<u>63,760</u>	<u>4,394,390</u>	<u>65,067,670</u>
19. Net Elec Ener (MWH)	<u>59,900</u>	<u>4,234,821</u>	<u>62,070,690</u>
20. Unit Service Factor	<u>18.1</u>	<u>75.6</u>	<u>77.5</u>
21. Unit Avail Factor	<u>18.1</u>	<u>75.6</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>9.9</u>	<u>71.7</u>	<u>69.2*</u>
23. Unit Cap Factor (DER Net)	<u>9.7</u>	<u>70.4</u>	<u>67.4*</u>
24. Unit Forced Outage Rate	<u>31.1</u>	<u>1.9</u>	<u>7.0</u>
25. Forced Outage Hours	<u>61.1</u>	<u>104.7</u>	<u>5,728.7</u>

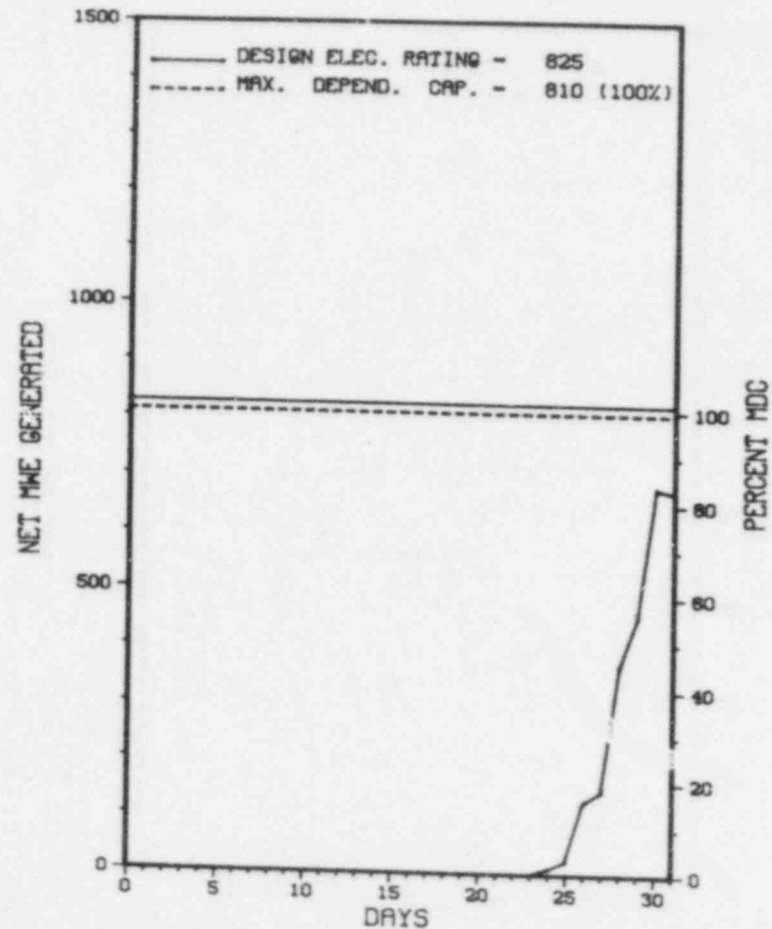
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4-85-8	08/16/85	S	548.7	C	4		ZZ	ZZZZZZ	SCHEDULED UNIT SHUTDOWN FOR CORE 8/9 REFUELING.
1-85-9	10/23/85	F	9.4	A	3	85-015	CH	VALVEX	PLANT TRIP DUE TO LOW STEAM GENERATOR LEVEL, WHICH OCCURRED WHILE ATTEMPTING TO MAINTAIN STEAM GENERATOR LEVEL MANUALLY.
2-85-9	10/24/85	F	26.8	A	1		CB	PUMPXX	MANUAL SHUTDOWN OF PLANT TO REPAIR THE BACKSTOP DEVICE ON NO. 2 RCP.
3-85-9	10/25/85	F	14.1	A	3	85-016	CD	VALVEX	PLANT TRIP DUE TO CLOSURE OF NO. 1 EXCESS FLOW CHECK VALVE. CAUSE ATTRIBUTED TO PROCEDURAL INADEQUACY AND PERSONNEL ERROR DURING INSTALLATION OF THE RUPTURE DISK.
4-85-9	10/26/85	F	10.8	A	3	85-016	CD	VALVEX	PLANT TRIP DUE TO CLOSURE OF NO. 3 EXCESS FLOW CHECK VALVE. CAUSE ATTRIBUTED TO PROCEDURAL INADEQUACY AND PERSONNEL ERROR DURING INSTALLATION OF THE RUPTURE DISK.

 * SUMMARY *

 MAINE YANKEE OPERATED WITH 5 OUTAGES DURING OCTOBER.

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 OCT 1985

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....P. SEARS
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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period OCT 1985

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

* MAINE YANKEE *

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: J. A. REAVIS (704) 373-7567

4. Licensed Thermal Power (MWh): 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>745.0</u>	<u>7,296.0</u>	<u>34,344.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,623.6</u>	<u>24,242.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,538.3</u>	<u>23,501.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,533,965</u>	<u>16,596,473</u>	<u>63,399,611</u>
18. Gross Elec Ener (MWH)	<u>886,287</u>	<u>5,699,711</u>	<u>21,928,577</u>
19. Net Elec Ener (MWH)	<u>854,528</u>	<u>5,454,250</u>	<u>20,829,505</u>
20. Unit Service Factor	<u>100.0</u>	<u>75.9</u>	<u>68.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>75.9</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.2</u>	<u>63.4</u>	<u>51.4</u>
23. Unit Cap Factor (DER Net)	<u>97.2</u>	<u>63.4</u>	<u>51.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.7</u>	<u>14.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>397.9</u>	<u>3,858.3</u>

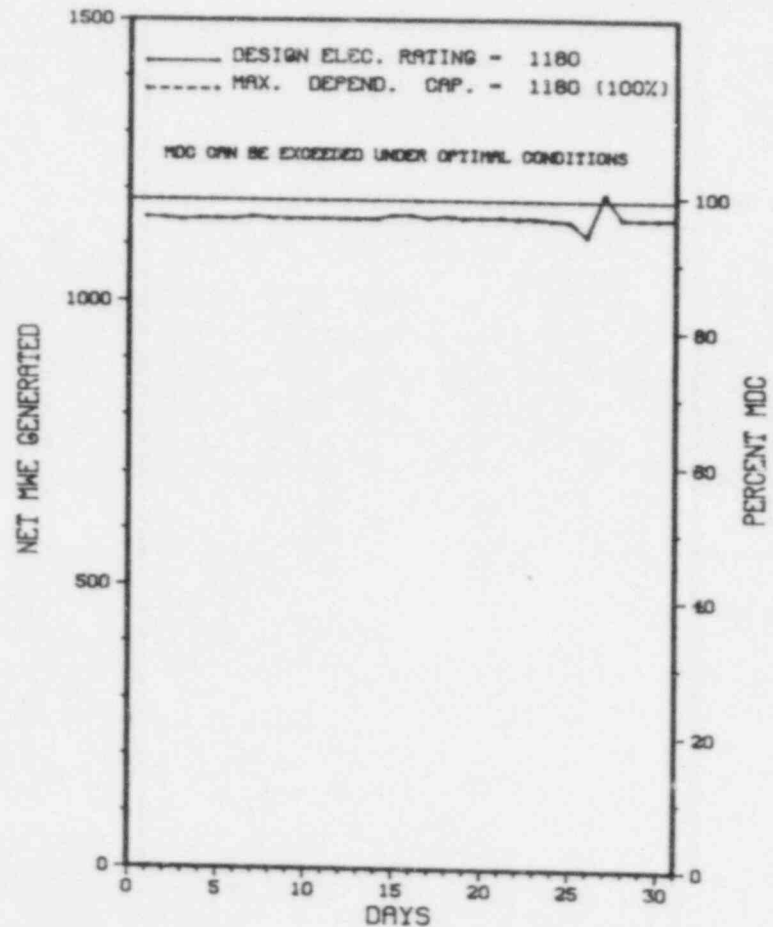
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
36-P	10/26/85	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT TEST.

***** MCGUIRE 1 OPERATED WITH 1 REDUCTION DURING OCTOBER.
* SUMMARY *

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)

* MCGUIRE 1 *

FACILITY DATA

Report Period OCT 1985

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.....D. HOOD
DOCKET NUMBER.....749
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 AUGUST 21 - SEPTEMBER 20 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 164 INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE AREAS INSPECTED TWO VIOLATIONS WERE IDENTIFIED IN THE AREA OF FACILITY OPERATIONS AND ONE DEVIATION IN THE AREA OF SURVEILLANCE TESTING.
INSPECTION SEPTEMBER 23-27 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 36 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; PROCUREMENT; AND RECEIPT, STORAGE, AND HANDLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION SEPTEMBER 30 - OCTOBER 4 (85-34): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ONSITE DURING REGULAR HOURS INSPECTING: RADIATION PROTECTION PROGRAM INCLUDING EXTERNAL EXPOSURE CONTROL AND DOSIMETRY; INTERNAL EXPOSURE CONTROL; TRANSPORTATION OF RADIOACTIVE MATERIALS; RADIOACTIVE WASTE CLASSIFICATION AND CHARACTERIZATION; AND CONTROL OF RADIOACTIVE MATERIALS, POSTING AND LABELING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>14,640.0</u>
13. Hours Reactor Critical	<u>714.0</u>	<u>4,362.9</u>	<u>10,501.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>700.1</u>	<u>4,050.3</u>	<u>10,141.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,362,207</u>	<u>13,084,945</u>	<u>32,456,269</u>
18. Gross Elec Ener (MWH)	<u>818,878</u>	<u>4,555,120</u>	<u>11,392,843</u>
19. Net Elec Ener (MWH)	<u>787,755</u>	<u>4,342,057</u>	<u>10,899,857</u>
20. Unit Service Factor	<u>94.0</u>	<u>55.5</u>	<u>69.3</u>
21. Unit Avail Factor	<u>94.0</u>	<u>55.5</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>89.6</u>	<u>50.4</u>	<u>63.1</u>
23. Unit Cap Factor (DER Net)	<u>89.6</u>	<u>50.4</u>	<u>63.1</u>
24. Unit Forced Outage Rate	<u>6.0</u>	<u>19.2</u>	<u>17.3</u>
25. Forced Outage Hours	<u>44.9</u>	<u>961.6</u>	<u>2,127.8</u>

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

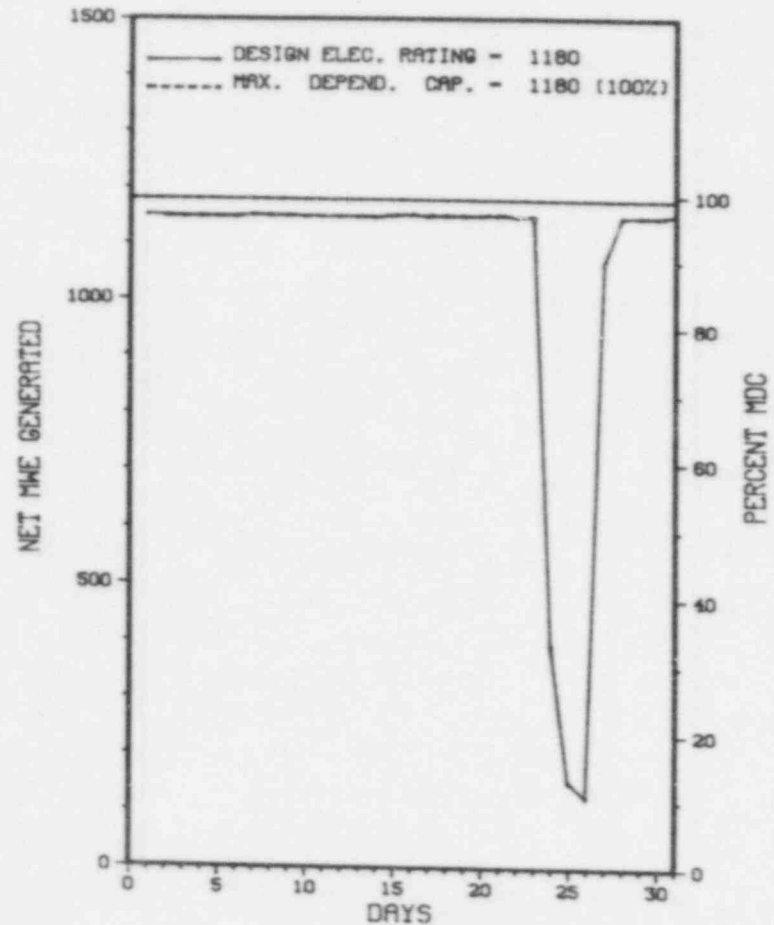
REFUELING - APRIL 4, 1986 - 9 WEEKS

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

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	10/24/85	F	29.1	A	3		IE	INSTRU	LOSS OF POWER (2EKVB) TO NUCLEAR INSTRUMENTATION (CH-II).
27-P	10/25/85	F	0.0	F	5		HH	XXXXXX	HOLD FOR SECONDARY CHEMISTRY.
28-P	10/25/85	F	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
29-P	10/26/85	F	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
19	10/26/85	F	15.8	A	3		HA	GENERA	LOSS OF VOLTAGE REGULATOR FOR GENERATOR EXCITER WHEN SWITCHED FROM AUTO TO MANUAL.
30-P	10/27/85	F	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
31-P	10/27/85	F	0.0	A	5		CC	VALVEX	NO. 4 GOVERNOR VALVE PROBLEM.
32-P	10/27/85	F	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
33-P	10/27/85	F	0.0	A	5		CC	VALVEX	NO. 4 GOVERNOR VALVE PROBLEM.
34-P	10/27/85	F	0.0	A	5		CC	VALVEX	NO. 4 GOVERNOR VALVE PROBLEM.

 * SUMMARY *

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

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

* MCGUIRE 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....50-370
LICENSE & DATE ISSUANCE...NPF-17, MAY 27, 1983
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

INSPECTION SUMMARY

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

+ INSPECTION AUGUST 21 - SEPTEMBER 20 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 164 INSPECTION HOURS ONSITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE AREAS INSPECTED TWO VIOLATIONS WERE IDENTIFIED IN THE AREA OF FACILITY OPERATIONS AND ONE DEVIATION IN THE AREA OF SURVEILLANCE TESTING.

INSPECTION SEPTEMBER 23-27 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 36 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; PROCUREMENT; AND RECEIPT, STORAGE, AND HANDLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 30 - OCTOBER 4 (85-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ONSITE DURING REGULAR HOURS INSPECTING: RADIATION PROTECTION PROGRAM INCLUDING EXTERNAL EXPOSURE CONTROL AND DOSIMETRY; INTERNAL EXPOSURE CONTROL; TRANSPORTATION OF RADIOACTIVE MATERIALS; RADIOACTIVE WASTE CLASSIFICATION AND CHARACTERIZATION; AND CONTROL OF RADIOACTIVE MATERIALS, POSTING AND LABELING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period OCT 1985

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

* MCGUIRE 2 *

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: SEPTEMBER 30 - OCTOBER 4, 1985 +

INSPECTION REPORT NO: 50-370/85-35 +

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

=====

NUMBER	DATE OF REPORT	SUBJECT
85-019	08/12/85	REACTOR TRIP ON TURBINE TRIP DUE TO PROTECTIVE RELAY ACTUATION THESE TWO INCIDENTS ARE ATTRIBUTED TO COMPONENT FAILURE.
85-020	07/12/85	UNPLANNED ESF ACTUATION RESULTING IN FEEDWATER ISOLATION THE ACTUATION IS ATTRIBUTED TO PERSONNEL ERROR.

=====

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>130,824.0</u>
13. Hours Reactor Critical	<u>582.8</u>	<u>7,065.9</u>	<u>100,820.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>58.7</u>	<u>2,834.5</u>
15. Hrs Generator On-Line	<u>578.4</u>	<u>7,050.6</u>	<u>97,987.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>67.2</u>	<u>93.7</u>
17. Gross Therm Ener (MWH)	<u>1,105,552</u>	<u>13,870,011</u>	<u>180,278,280</u>
18. Gross Elec Ener (MWH)	<u>365,900</u>	<u>4,689,600</u>	<u>60,586,296</u>
19. Net Elec Ener (MWH)	<u>347,832</u>	<u>4,481,586</u>	<u>57,785,746</u>
20. Unit Service Factor	<u>77.6</u>	<u>96.6</u>	<u>74.9</u>
21. Unit Avail Factor	<u>77.6</u>	<u>97.6</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>71.4</u>	<u>93.9</u>	<u>67.5</u>
23. Unit Cap Factor (DER Net)	<u>70.7</u>	<u>93.1</u>	<u>66.9</u>
24. Unit Forced Outage Rate	<u>3.4</u>	<u>1.4</u>	<u>12.4</u>
25. Forced Outage Hours	<u>20.3</u>	<u>99.1</u>	<u>5,814.3</u>

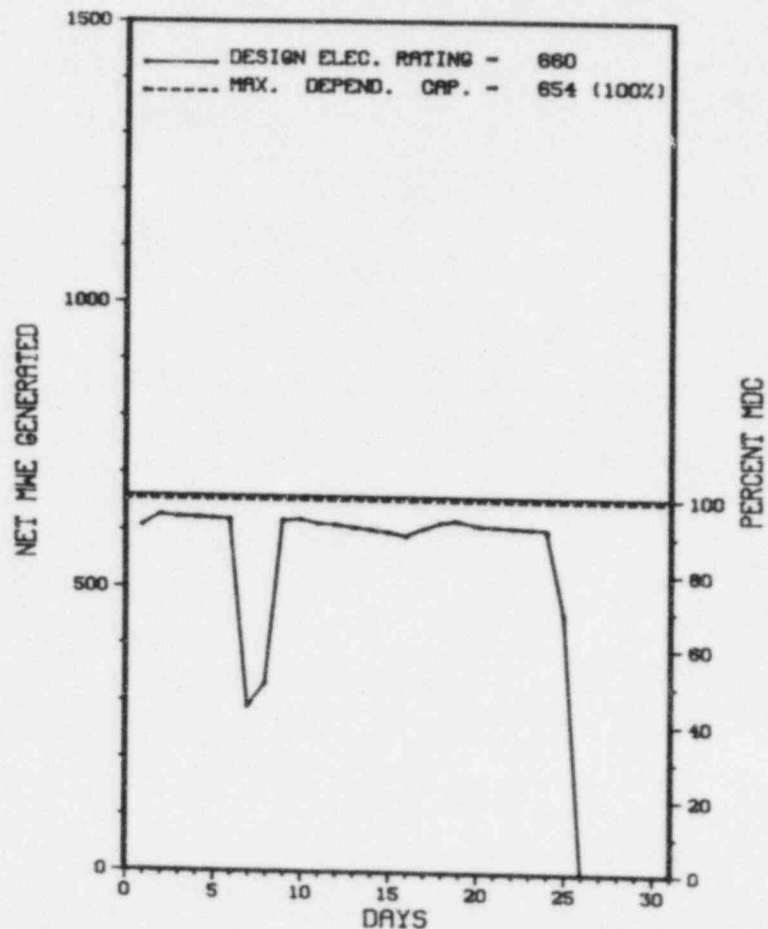
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/28/85

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	10/07/85	F	20.3	B	3	85-020	JD	PSV	WORN SCRAM PILOT VALVES WERE REPLACED AND THE PREVENTIVE MAINTENANCE PROGRAM HAS BEEN ACCELERATED.
9	10/25/85	S	146.3	C	1		RC	FUELXX	REFUELING OUTAGE SCHEDULED FROM 851025 TO 851128.

 * SUMMARY *

 MILLSTONE 1 OPERATED WITH 1 OUTAGE FOR MAINTENANCE AND SHUTDOWN ON OCTOBER 25TH FOR REFUELING.

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

* MILLSTONE 1 *

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

Report Period OCT 1985

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: 10/01/85 Outage + On-line Hrs: 745.0

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): 889

8. Maximum Dependable Capacity (Net MWe): 857

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>745.0</u>	<u>7,296.0</u>	<u>86,352.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,156.4</u>	<u>60,118.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,035.8</u>	<u>57,428.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>7,817,030</u>	<u>145,506,194</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,546,300</u>	<u>47,218,973</u>
19. Net Elec Ener (MWH)	<u>-4,081</u>	<u>2,426,506</u>	<u>45,251,591</u>
20. Unit Service Factor	<u>.0</u>	<u>41.6</u>	<u>66.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>41.6</u>	<u>67.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>39.7</u>	<u>62.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>38.2</u>	<u>61.2*</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>23.7</u>	<u>17.5</u>
25. Forced Outage Hours	<u>745.0</u>	<u>944.2</u>	<u>10,887.7</u>

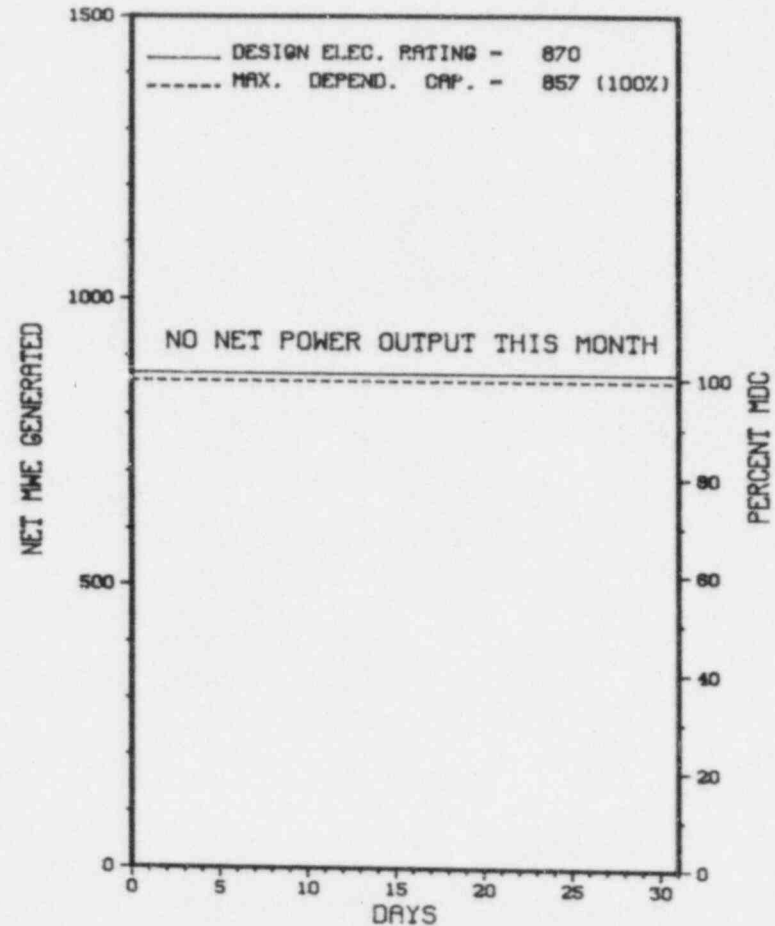
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/07/85

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/27/85	F	745.0	A	4	85-14			GROUND FAULT PROBLEM IN 'C' REACTOR COOLANT PUMP MOTOR.

* SUMMARY *

MILLSTONE 2 REMAINS SHUTDOWN IN A CONTINUING EQUIPMENT FAILURE 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)

* MILLSTONE 2 *

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

Report Period OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-263 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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): 564

8. Maximum Dependable Capacity (Net MWe): 536

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>745.0</u>	<u>7,296.0</u>	<u>125,689.0</u>
13. Hours Reactor Critical	<u>725.9</u>	<u>6,699.0</u>	<u>96,614.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>715.3</u>	<u>6,566.6</u>	<u>94,569.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,128,941</u>	<u>10,635,585</u>	<u>151,869,399</u>
18. Gross Elec Ener (MWH)	<u>385,682</u>	<u>3,634,805</u>	<u>48,819,858</u>
19. Net Elec Ener (MWH)	<u>370,612</u>	<u>3,486,767</u>	<u>46,662,192</u>
20. Unit Service Factor	<u>96.0</u>	<u>90.0</u>	<u>75.2</u>
21. Unit Avail Factor	<u>96.0</u>	<u>90.0</u>	<u>75.2</u>
22. Unit Cap Factor (MDC Net)	<u>92.8</u>	<u>89.2</u>	<u>69.3</u>
23. Unit Cap Factor (DER Net)	<u>91.3</u>	<u>87.7</u>	<u>68.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>5.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>46.2</u>	<u>1,335.0</u>

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

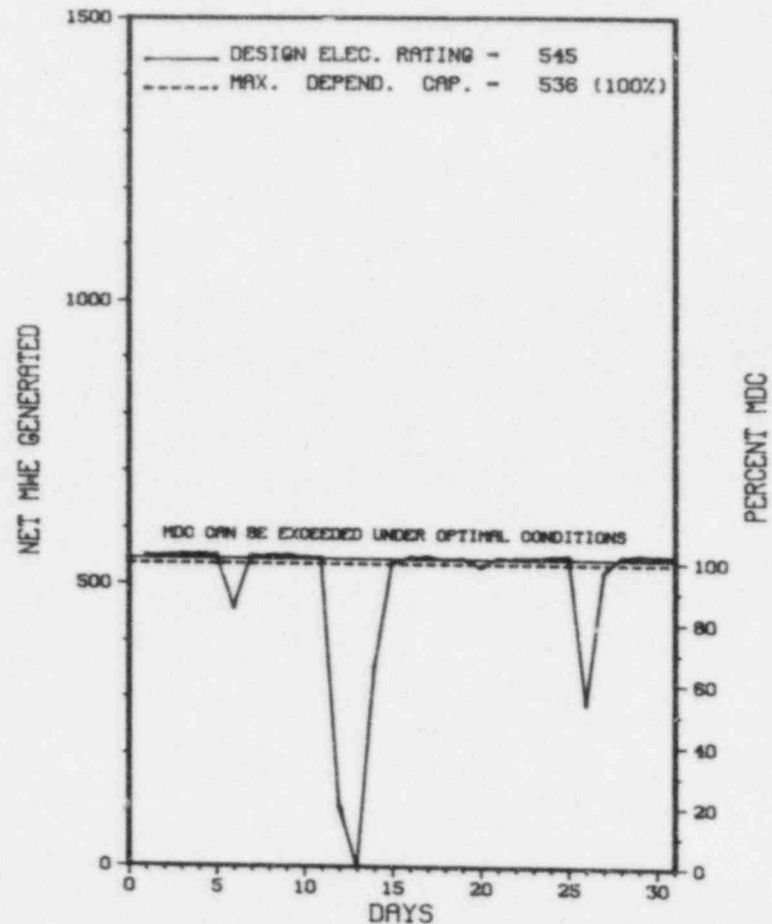
NONE

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

 * MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	10/12/85	S	29.7	B	1		SB	RV	UNIT SHUTDOWN TO REPLACE SAFETY RELIEF VALVE TOPWORKS AND MISCELLANEOUS MAINTENANCE.
13	10/26/85	S	0.0	B	5		SG	TBG	REDUCED POWER TO 30% TO CLEAN MAIN CONDENSER TUBES.

 * SUMMARY *

 MONTICELLO OPERATED ROUTINELY IN OCTOBER WITH 1 SHUTDOWN 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)

* MONTICELLO *

FACILITY DATA

Report Period OCT 1985

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.....P. HARTMAN
LICENSING PROJ MANAGER.....R. AULUCK
DOCKET NUMBER.....50-263
LICENSE & DATE ISSUANCE...DPR-22, JANUARY 9, 1981
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

CRD FILTER PLUGGING FOUND AND THE CHANGE OUT OF ALL DRIVES WITH SPECIAL CLEANING OF GUIDE TUBES.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>140,256.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>7,239.1</u>	<u>99,955.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>7,199.6</u>	<u>97,004.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>1,363,788</u>	<u>13,036,700</u>	<u>162,326,067</u>
18. Gross Elec Ener (MWH)	<u>451,620</u>	<u>4,359,765</u>	<u>53,740,554</u>
19. Net Elec Ener (MWH)	<u>437,403</u>	<u>4,227,260</u>	<u>52,057,254</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.7</u>	<u>69.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.7</u>	<u>69.2</u>
22. Unit Cap Factor (MDC Net)	<u>96.2</u>	<u>95.0</u>	<u>60.8</u>
23. Unit Cap Factor (DER Net)	<u>94.7</u>	<u>93.5</u>	<u>59.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.3</u>	<u>15.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>96.4</u>	<u>13,155.8</u>

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

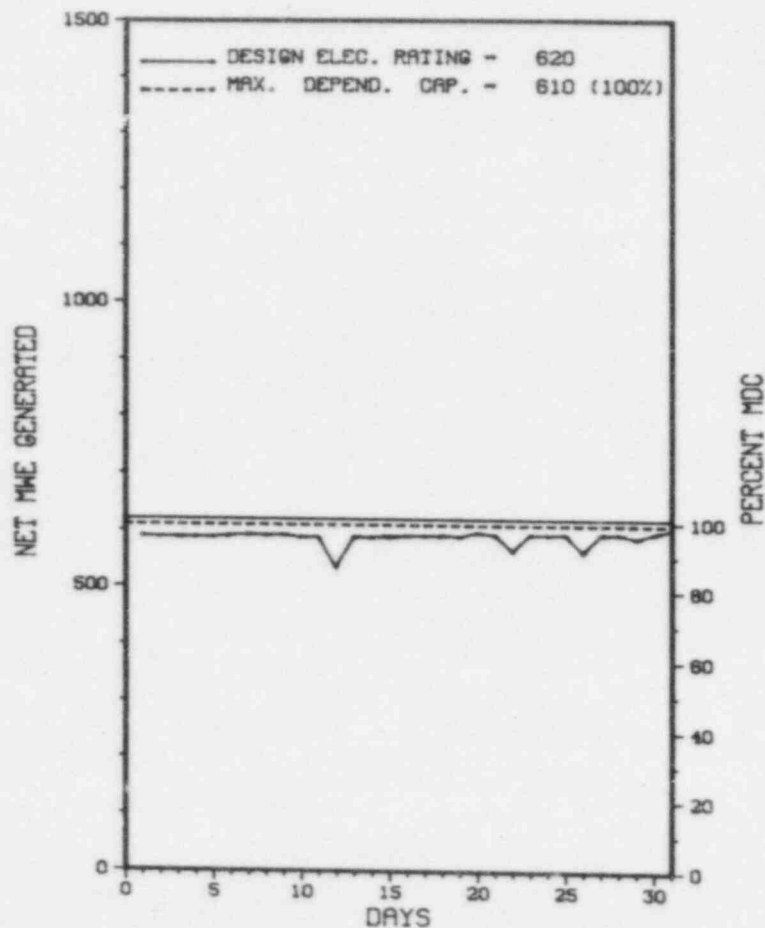
NONE

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

 * NINE MILE POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	10/12/85	S	0.0	H	5				LOAD REDUCTION (89%) TO PULL CONTROL RODS.
	10/31/85	S	0.0	H	5				LOAD REDUCTION (97%) TO PULL CONTROL RODS.
	10/26/85	S	0.0	H	5				LOAD REDUCTION (90%) TO PULL CONTROL RODS.
	10/29/85	S	0.0	H	5				LOAD REDUCTION (97%) TO PULL CONTROL RODS.
	10/22/85	S	0.0	H	5				LOAD REDUCTION (90%) TO PULL CONTROL RODS.

 * SUMMARY *

 NINE MILE POINT 1 OPERATED ROUTINELY IN OCTOBER.

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)

* NINE MILE POINT 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....OSWEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NE OF
OSWEGO, NY
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 5, 1969
DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1969
DATE COMMERCIAL OPERATE...DECEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ONTARIO
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER 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 SUPPLIERGENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....S. HUDSON
LICENSING PROJ MANAGER....R. HERMANN
DOCKET NUMBER.....50-220
LICENSE & DATE ISSUANCE...DPR-63, DECEMBER 26, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period OCT 1985

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

* NINE MILE POINT 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: D. GARNER (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): 941

8. Maximum Dependable Capacity (Net MWe): 893

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

MDC GROSS CHANGED

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>745.0</u>	<u>7,296.0</u>	<u>64,921.0</u>
13. Hours Reactor Critical	<u>699.0</u>	<u>6,736.0</u>	<u>45,083.0</u>
14. Rx Reserve Shtdwn Hrs	<u>46.0</u>	<u>560.0</u>	<u>2,745.4</u>
15. Hrs Generator On-Line	<u>675.1</u>	<u>6,642.7</u>	<u>43,731.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,823,440</u>	<u>17,829,102</u>	<u>114,692,768</u>
18. Gross Elec Ener (MWH)	<u>615,518</u>	<u>6,009,128</u>	<u>37,381,309</u>
19. Net Elec Ener (MWH)	<u>585,373</u>	<u>5,709,772</u>	<u>35,325,790</u>
20. Unit Service Factor	<u>90.6</u>	<u>91.0</u>	<u>67.4</u>
21. Unit Avail Factor	<u>90.6</u>	<u>91.0</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>88.0</u>	<u>87.8</u>	<u>60.9</u>
23. Unit Cap Factor (DER Net)	<u>86.6</u>	<u>86.3</u>	<u>60.0</u>
24. Unit Forced Outage Rate	<u>9.4</u>	<u>4.4</u>	<u>12.1</u>
25. Forced Outage Hours	<u>69.9</u>	<u>304.8</u>	<u>5,919.7</u>

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

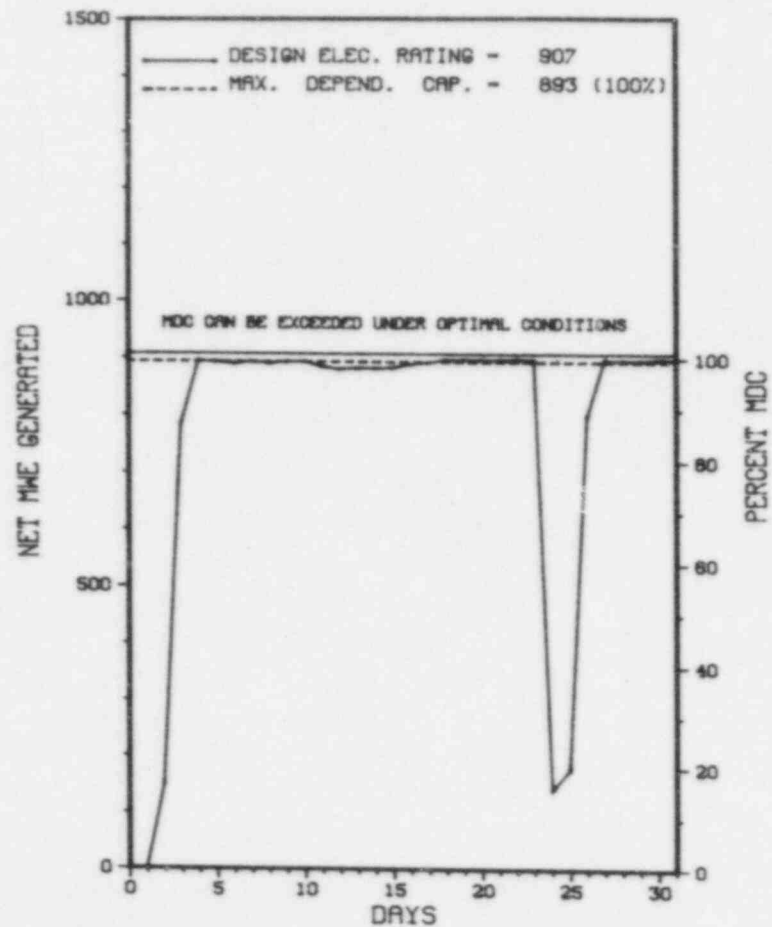
REFUELING: 11-01-85, 48 DAYS

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

 * NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-21	09/30/85	F	38.5	B	1	85-15		CONTINUATION FROM SEPTEMBER 1985. REPAIRS WERE MADE AND UNIT RETURNED TO 100% POWER.
85-22	10/24/85	F	31.4	A	2	85-19		UNIT 1 MANUALLY TRIPPED DUE TO FAILURE OF '1J1' EMERGENCY BUS.
85-23	10/26/85	S	0.0	H	5			UNIT AT 90% POWER FOR LOAD FOLLOW. UNIT RETURNED TO 100% POWER.

 * SUMMARY *

 NORTH ANNA 1 INCURRED 2 SHUTDOWNS IN OCTOBER AS OUTLINED 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)

* NORTH ANNA 1 *

FACILITY DATA

Report Period OCT 1985

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 POWER
CORPORATE ADDRESS.....P.O. BOX 2466
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.....M. BRANCH
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 SEPTEMBER 16-25 (85-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 34.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF RADIOCHEMISTRY QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM, PROCEDURES AND INSTRUCTIONS, RECORDS AND LOGS, COUNTING ROOM AND CHEMISTRY LABORATORY FACILITIES, AND RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY AND CONTRACT LABORATORY FACILITIES. VIOLATION - FAILURE TO HAVE ADEQUATE PROCEDURES TO MEET EFFLUENT ANALYTICAL MEASUREMENT REQUIREMENTS.

INSPECTION SEPTEMBER 2 - OCTOBER 6 (85-26): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 93.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE EVENT REPORT (LER), ENGINEERED SAFETY FEATURES (ESF) WALKDOWN, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE, MONTHLY SURVEILLANCE, SPENT FUEL POOL (SFP) RERACKING, PREPARATIONS FOR REFUELING, AND LICENSE CONDITION VERIFICATION. ONE VIOLATION WAS IDENTIFIED: FAILURE TO COMPLY WITH THE REQUIREMENTS OF TS 6.8.1 (PROCEDURES) PARAGRAPH 12.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL ACCESS TO THE PROTECTED AREA.
(8502 3)

ENFORCEMENT SUMMARY

UNIT 1 TECHNICAL SPECIFICATION (TS) 3.3.3.6 ACTION (A) REQUIRES THAT WITH THE NUMBER OF OPERABLE ACCIDENT MONITORING CHANNELS LESS THAN THE TOTAL NUMBER OF CHANNELS SHOWN IN TABLE 3.3-10, EITHER RESTORE THE INOPERABLE CHANNEL TO OPERABLE STATUS WITHIN 7 DAYS OR BE IN AT LEAST HOT SHUTDOWN WITHIN THE NEXT 12 HOURS. TABLE 3.3-10 REQUIRES A TOTAL NUMBER OF 2 CHANNELS OF REACTOR VESSEL COOLANT LEVEL MONITORING (RVLIS) EQUIPMENT. TO VERIFY OPERABILITY TS 4.3.3.6 REQUIRES THE MONTHLY PERFORMANCE OF A CHANNEL CHECK OF THE RVLIS SYSTEM. 1-PT-44.7, DATED 07-03-85, USED TO SATISFY THE CHANNEL CHECK REQUIREMENT, PROVIDED IN SECTION 5.4 AN ACCEPTANCE CRITERIA OF 2% SPAN BETWEEN TRAINS. CONTRARY TO THE ABOVE, ON AUGUST 19, 1985, THE DYNAMIC RANGE OF THE RVLIS SYSTEM FAILED TO MEET THE ACCEPTANCE CRITERIA OF 2% SPAN BETWEEN TRAINS (IE ACTUAL VALUES WERE 4% BETWEEN CHANNELS) AND THE UNIT CONTINUED TO OPERATE AT POWER PAST THE 7 DAY LIMIT, WHICH WAS EXCEEDED ON AUGUST 26, 1985. 10 CFR 50.44(B) STATES THAT EACH BOILING OR PRESSURIZED LIGHT-WATER NUCLEAR POWER REACTOR FUELED WITH OXIDE PELLETS WITHIN CYLINDRICAL ZIRCALOY CLADDING SHALL BE PROVIDED WITH THE CAPABILITY FOR MEASURING THE HYDROGEN CONCENTRATION IN THE CONTAINMENT. AN NRC CONFIRMATORY ORDER IN THE CASE OF OCONEE NUCLEAR STATION DATED MARCH 18, 1983 REQUIRED THE IMPLEMENTATION OF CERTAIN POST-TMI RELATED ITEMS AS SET FORTH IN NUREG-0737 FOR WHICH THE NRC STAFF REQUESTED COMPLETION ON OR AFTER JULY 1, 1981. NUREG-0737, ITEM II.F.1.6, "PROVIDES CONTINUOUS INDICATION OF HYDROGEN CONCENTRATION IN CONTAINMENT," WAS REPORTED AS COMPLETE FOR ALL OCONEE UNITS BY THE ORDER. NUREG-0737, ITEM II.F.6 STATES, IN PART, THAT THE ACCURACY AND PLACEMENT OF THE HYDROGEN MONITORS SHALL BE PROVIDED AND JUSTIFIED TO BE ADEQUATE FOR THEIR INTENDED FUNCTION. THE ACCURACY OF THE LICENSEE'S EQUIPMENT WAS ACCEPTED BY THE NRC IN A JULY 1984 SAFETY EVALUATION. CONTRARY TO THE ABOVE, TRAINS A AND B OF THE LICENSEE'S UNIT 1 REACTOR BUILDING HYDROGEN MONITORING SYSTEM WERE INOPERABLE FROM MARCH 6, 1985, TO MARCH 26, 1985. CONTRARY TO TS 6.4.1 AND CHEMISTRY PROCEDURE CP/O/A/2005/06A, CALCULATIONS AND DOCUMENTATION IN THE FIRST HALF OF 1985 DID NOT MEET PROCEDURAL REQUIREMENTS IN THE FOLLOWING INSTANCES: (A) UNIT 1 - JANUARY 4, 1985: PERFORMANCE OF THE 5 DAY SAMPLE RECOUNT WAS NOT DOCUMENTED. (B) UNIT 2 - MAY 21, 1985: PERFORMANCE OF THE 5 DAY SAMPLE RECOUNT WAS NOT DOCUMENTED. ALSO, E-BAR WAS CALCULATED BASED ON 45 MINUTES ELAPSED TIME RATHER THAN 2 TO 4 HOURS AS REQUIRED. (C) UNIT 3 - JUNE 25, 1985: THE RECOUNT WAS PERFORMED 4 DAYS AFTER COLLECTION RATHER THAN THE REQUIRED 5 DAYS. (8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: SEPTEMBER 2 - OCTOBER 6, 1985 +

INSPECTION REPORT NO: 50-338/85-26 +

Report Period OCT 1985

REPORTS FROM LICENSEE

* NORTH ANNA 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-012	08/30/85	09/13/85	MAIN STEAMLINE RADIATION MONITORS OUT OF SERVICE MORE THAN 72 HOURS THE ACTUAL WORK WAS COMPLETED PRIOR TO THE EXPIRATION OF THE 72 HOURS LIMIT.
85-014	09/09/85	09/13/85	IMPROPERLY ENCODED KEY CARD RESULTED IN POTENTIAL FOR UNAUTHORIZED ACCESS TO VITAL AREAS NEW KEY CARDS WILL BE CHECKED UP ON ARRIVAL FROM THE MANUFACTURER.
85-016	09/11/85	10/02/85	PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATION DUE TO HIGH RCS IDENTIFIED LEAKAGE MAINTENANCE WAS PERFORMED AND AN ACCEPTABLE RCS LEAKRATE WAS OBTAINED.
85-018	09/17/85	10/04/85	REACTOR OPERATORS LICENSEE EXPIRES DUE TO ADMINISTRATIVE ERROR, TRAINING PERSONNEL INCORRECTLY ASSUMED THE EFFECTIVE DATE OF THE LICENSE.

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: B. GARNER (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): 941

8. Maximum Dependable Capacity (Net MWe): 893

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

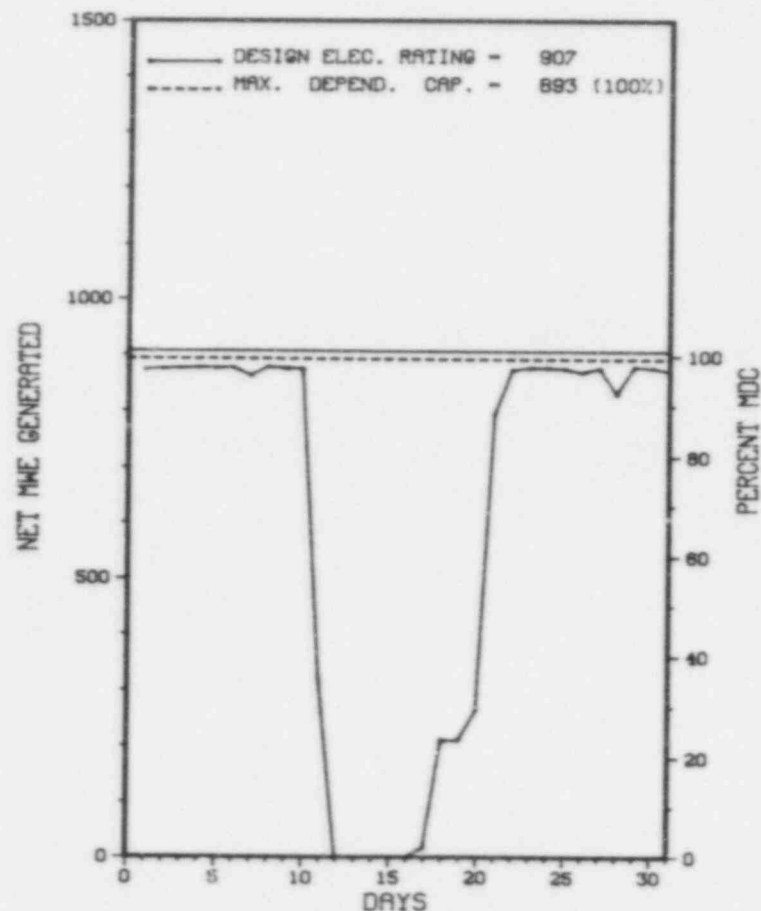
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>42,792.0</u>
13. Hours Reactor Critical	<u>643.0</u>	<u>7,070.4</u>	<u>32,853.3</u>
14. Rx Reserve Shtdwn Hrs	<u>102.0</u>	<u>195.3</u>	<u>2,572.1</u>
15. Hrs Generator On-Line	<u>590.9</u>	<u>6,790.9</u>	<u>31,968.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,488,860</u>	<u>17,595,948</u>	<u>83,100,178</u>
18. Gross Elec Ener (MWH)	<u>489,451</u>	<u>5,834,104</u>	<u>27,553,369</u>
19. Net Elec Ener (MWH)	<u>463,396</u>	<u>5,531,177</u>	<u>26,100,450</u>
20. Unit Service Factor	<u>79.3</u>	<u>93.1</u>	<u>74.7</u>
21. Unit Avail Factor	<u>79.3</u>	<u>93.1</u>	<u>74.7</u>
22. Unit Cap Factor (MDC Net)	<u>69.7</u>	<u>85.0</u>	<u>68.3</u>
23. Unit Cap Factor (DER Net)	<u>68.6</u>	<u>83.6</u>	<u>67.2</u>
24. Unit Forced Outage Rate	<u>20.7</u>	<u>6.9</u>	<u>11.8</u>
25. Forced Outage Hours	<u>154.1</u>	<u>505.1</u>	<u>4,279.8</u>

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

REFUELING: 04-11-86, 48 DAYS

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

OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-48	10/07/85	S	0.0	H	5				RAMPED DOWN TO 89% POWER FOR LOAD FOLLOW. UNIT RETURNED TO 100% POWER.
85-49	10/11/85	F	154.1	A	1	85-10			RAMPED UNIT 2 OFF LINE TO REPAIR "2H" EMERGENCY DIESEL. UNIT RETURNED TO 100% POWER.
85-50	10/28/85	S	0.0	H	5				RAMPED DOWN TO 89% POWER FOR LOAD FOLLOW. UNIT RETURNED TO 100% POWER.

***** NORTH ANNA 2 INCURRED 1 SHUTDOWN IN OCTOBER TO REPAIR AN EMERGENCY DIESEL UNIT.
 * SUMMARY *

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

* NORTH ANNA 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PHR
DATE INITIAL CRITICALITY...JUNE 12, 1980
DATE ELEC ENER 1ST GENER...AUGUST 25, 1980
DATE COMMERCIAL OPERATE...DECEMBER 14, 1980
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA 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.....M. BRANCH
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339
LICENSE & DATE ISSUANCE...NPF-7, AUGUST 21, 1980
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 16-25 (85-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 34.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF RADIOCHEMISTRY QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM, PROCEDURES AND INSTRUCTIONS, RECORDS AND LOGS, COUNTING ROOM AND CHEMISTRY LABORATORY FACILITIES, AND RESULTS OF SPLI; SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY AND CONTRACT LABORATORY FACILITIES. VIOLATION - FAILURE TO HAVE ADEQUATE PROCEDURES TO MEET EFFLUENT ANALYTICAL MEASUREMENT REQUIREMENTS.

INSPECTION SEPTEMBER 2 - OCTOBER 6 (85-26): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 93.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE EVENT REPORT (LER), ENGINEERED SAFETY FEATURES (ESF) WALKDOWN, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE, MONTHLY SURVEILLANCE, SPENT FUEL POOL (SFP) RERACKING, PREPARATIONS FOR REFUELING, AND LICENSE CONDITION VERIFICATION. ONE VIOLATION WAS IDENTIFIED: FAILURE TO COMPLY WITH THE REQUIREMENTS OF TS 6.8.1 (PROCEDURES), PARAGRAPH 12.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-269 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>107,785.0</u>
13. Hours Reactor Critical	<u>494.1</u>	<u>7,008.7</u>	<u>79,002.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>488.2</u>	<u>6,985.7</u>	<u>75,690.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,224,628</u>	<u>17,783,368</u>	<u>182,657,132</u>
18. Gross Elec Ener (MWH)	<u>420,900</u>	<u>6,148,530</u>	<u>63,485,210</u>
19. Net Elec Ener (MWH)	<u>397,038</u>	<u>5,862,825</u>	<u>60,195,111</u>
20. Unit Service Factor	<u>65.5</u>	<u>95.7</u>	<u>70.2</u>
21. Unit Avail Factor	<u>65.5</u>	<u>95.7</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>62.0</u>	<u>93.4</u>	<u>64.8*</u>
23. Unit Cap Factor (DER Net)	<u>60.1</u>	<u>90.6</u>	<u>63.0*</u>
24. Unit Forced Outage Rate	<u>34.5</u>	<u>4.3</u>	<u>15.1</u>
25. Forced Outage Hours	<u>256.8</u>	<u>310.3</u>	<u>12,515.5</u>

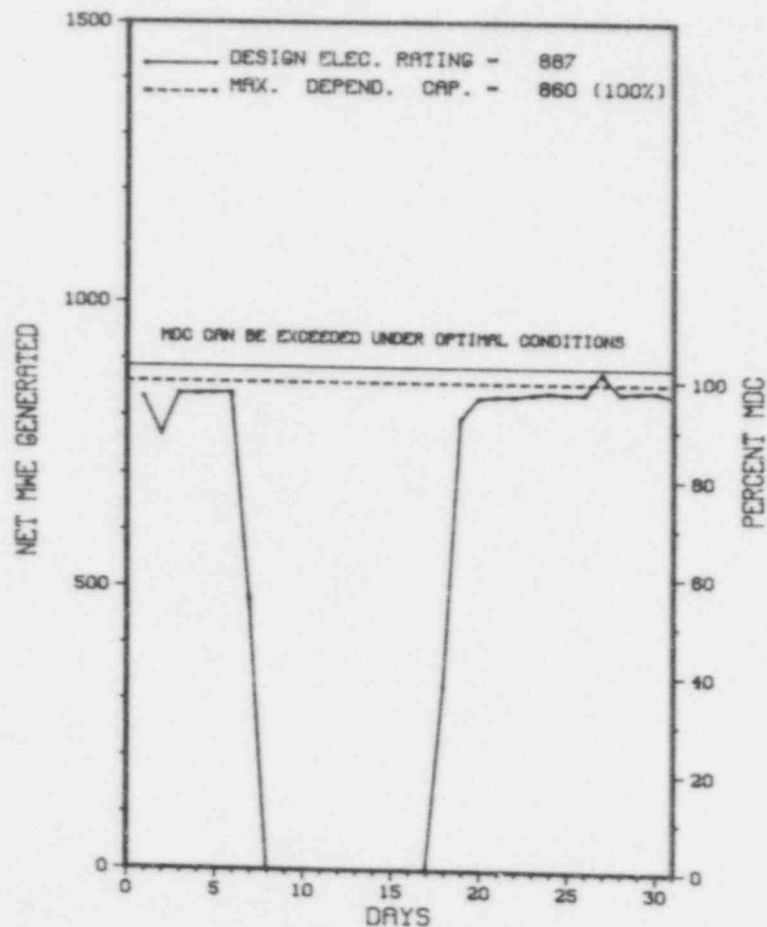
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING: FEBRUARY 18, 1986 - 8 WEEKS

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

* OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16-P	10/02/85	F	0.0	A	5		XX	XXXXXX	FAULTY CABLE IN INTEGRATED CONTROL SYSTEM CAUSED UNIT RUNBACK.
5	10/07/85	F	256.8	A	1		CC	HEATEX	UNIT SHUTDOWN TO REPAIR OTSG TUBE LEAKS.
17-P	10/18/85	F	0.0	A	5		HH	PUMPXX	INVESTIGATE PROBLEM ON (1D1) HEATER DRAIN PUMP.
18-P	10/18/85	F	0.0	A	5		CH	PUMPXX	HIGH VIBRATION ON (1B) FEEDWATER PUMP.
19-P	10/19/85	F	0.0	A	5		HH	PUMPXX	INVESTIGATE PROBLEM ON (E1 & E2) HEATER DRAIN PUMPS.
20-P	10/19/85	F	0.0	A	5		HH	PUMPXX	INVESTIGATE PROBLEM ON (E1 & E2) HEATER DRAIN PUMPS.
21-P	10/20/85	F	0.0	A	5		HH	PUMPXX	INVESTIGATE PROBLEM ON HEATER DRAIN AND CONDENSATE BOOSTER PUMPS.
22-P	10/31/85	S	0.0	B	5		RC	XXXXXX	TEMPERATURE REACTIVITY COEFFICIENT AT POWER TEST.
23-P	10/31/85	S	0.0	A	5		HC	XXXXXX	BLOW DOWN CONDENSATE SYSTEM AIR EJECTORS SUCTION LINES.

 * SUMMARY *

 OCONEE 1 EXPERIENCED 1 SHUTDOWN IN OCTOBER FOR STEAM GENERATOR 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)

* OCONEE 1 *

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

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 19, 1973
DATE ELEC ENER 1ST GENER...MAY 6, 1973
DATE COMMERCIAL OPERATE...JULY 15, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-269
LICENSE & DATE ISSUANCE...DPR-38, FEBRUARY 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 3-6 (85-27): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 10.5 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 INSERVICE INSPECTION (ISI), WORK OBSERVATION, MAIN FEEDWATER FLOW-NOZZLE MODIFICATION, CLOSING OF OPEN ITEMS, AND HIGH-PRESSURE INJECTION (HPI) THERMAL SLEEVE EXAMINATION, AND REACTOR COOLANT PUMP BEARING HOUSE BOLT FAILURES. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO USE PROPERLY QUALIFIED WELD PROCEDURE, PARAGRAPH 5.B; FAILURE TO OBTAIN FINAL QA APPROVAL ON RC PUMP REPLACEMENT BOLTS PRIOR TO UNIT 2 STARTUP, PARAGRAPH 5.A; USE OF THE FILLER METAL WHICH HAD NOT BEEN TESTED PER REQUIREMENTS OF THE REQUISITION, PARAGRAPH 5.C.

INSPECTION SEPTEMBER 3-6 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22 INSPECTOR-HOURS ONSITE (6 HOURS BACKSHIFT) BY TWO INSPECTORS INSPECTING SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; SECURITY PROGRAM AUDITS, RECORDS AND REPORTS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREA; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THREE VIOLATIONS WERE IDENTIFIED: INADEQUATE PROCEDURE FOR DOCUMENTATION OF VITAL AREA BARRIER INSPECTION (85-28-01); FAILURE TO MEET THE ALARM ANNUNCIATION REQUIREMENT IN THE PHYSICAL SECURITY PLAN (85-28-02); AND BREACH OF A VITAL AREA BARRIER (85-28-03). ONE UNRESOLVED ITEM WAS IDENTIFIED IN THE AREA OF PHYSICAL BARRIERS - PROTECTED (85-28-04).

INSPECTION SEPTEMBER 9-13 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

INSPECTION SEPTEMBER 16-20 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ONSITE DURING REGULAR HOURS IN THE AREA OF RADIATION PROTECTION INCLUDING EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; TRAINING AND QUALIFICATIONS OF PERSONNEL; RADIOACTIVE MATERIALS CONTROL, POSTING AND LABELING; AND PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). ONE VIOLATION - FAILURE TO LABEL CONTAINERS OF RADIOACTIVE MATERIAL.

INSPECTION SEPTEMBER 23-27 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING THE REACTOR BUILDING TENDON SURVEILLANCE PROGRAM, AND SURVEILLANCE OF PIPE SUPPORT AND RESTRAINTS; AND FOLLOWUP ON IE INFORMATION NOTICE 85-10. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10 - OCTOBER 7 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 107.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, OFFSITE REVIEW COMMITTEE AND STARTUP FROM REFUELING AND TWO INSPECTOR-HOURS IN THE REGION. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 23-26 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 INSERVICE INSPECTION (ISI), REVIEW AND RECORD EVALUATION, MAIN FEEDWATER FLOW-NOZZLE POST WELD HEAT TREATMENT; CLOSING OF OPEN ITEMS; REASSEMBLY OF REACTOR COOLANT PUMP 3A2 - WORK OBSERVATION AND RECORD REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 30 - OCTOBER 4 (85-34): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 7-11 (85-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING AND WITNESSING PRE- AND POST-CRITICALITY TESTS FOLLOWING THE REFUELING OUTAGE, IE FOLLOWUP AND FOLLOWUP ON INSPECTOR IDENTIFIED ITEM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH INSTRUCTIONS, PROCEDURES, OR DRAWINGS. STATION DIRECTIVE 2.2.1 IMPLEMENTS THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION V IN THAT IT REQUIRES ACTIVITIES TO BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE APPLICABLE PROCEDURE. STATION DIRECTIVE 4.5.4 DEFINES HOW TO USE THE QUALITY STANDARDS MANUAL FOR STRUCTURES, SYSTEMS, AND COMPONENTS IN THE DETERMINATIONS OF QA CONDITION CLASSIFICATIONS ON MAINTENANCE WORK REQUESTS, MATERIAL REQUISITIONS AND PROCEDURES. THIS DIRECTIVE STATES IN PART THAT THE "THE QUALITY STANDARDS MANUAL FOR STRUCTURES, SYSTEMS, AND COMPONENTS SHALL BE USED TO DETERMINE QA CONDITION LEVEL." THE QUALITY STANDARDS MANUAL FOR STRUCTURES, SYSTEMS, AND COMPONENTS (QSMSSC) IDENTIFIES POWER RANGE NUCLEAR INSTRUMENTS AS SAFETY-RELATED. CONTRARY TO THE ABOVE, WORK REQUEST NO. 22790B DATED JULY 17, 1985, WAS NOT CLASSIFIED AS SAFETY-RELATED IN ACCORDANCE WITH THE QUALITY STANDARDS MANUAL FOR STRUCTURES, SYSTEMS, AND COMPONENTS. CONSEQUENTLY, THE WORK REQUEST HAD NOT BEEN REVIEWED BY THE STATION QA SECTION. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. INSTRUCTIONS, PROCEDURES, OR DRAWINGS SHALL INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. STATION DIRECTIVE 2.2.1 PROVIDES REQUIREMENTS FOR PROCEDURE PREPARATION, USE, AND ADHERENCE. CONTRARY TO THE ABOVE, PROCEDURE MP/O/A/2001/4 DID NOT CONTAIN VENDOR RECOMMENDATIONS SUCH AS ACCEPTANCE CRITERIA FOR DROP OUT VOLTAGE, ROOM TEMPERATURE LIMITS, AND TEST TRIPS. IN ADDITION, THE MAINTENANCE PROCEDURE WAS NOT BEING STRICTLY ADHERED TO DURING MAINTENANCE OF REACTOR TRIP BREAKERS.
(8502 5)

OTHER ITEMS

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1. Docket: 50-270 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>97,705.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,296.8</u>	<u>71,394.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,217.8</u>	<u>70,162.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,908,127</u>	<u>11,998,694</u>	<u>166,766,998</u>
18. Gross Elec Ener (MWH)	<u>647,260</u>	<u>4,083,840</u>	<u>56,811,756</u>
19. Net Elec Ener (MWH)	<u>618,073</u>	<u>3,872,844</u>	<u>53,982,377</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.5</u>	<u>71.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.5</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>96.5</u>	<u>61.7</u>	<u>64.1*</u>
23. Unit Cap Factor (DER Net)	<u>93.5</u>	<u>59.8</u>	<u>62.4*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.0</u>	<u>14.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>393.2</u>	<u>10,649.3</u>

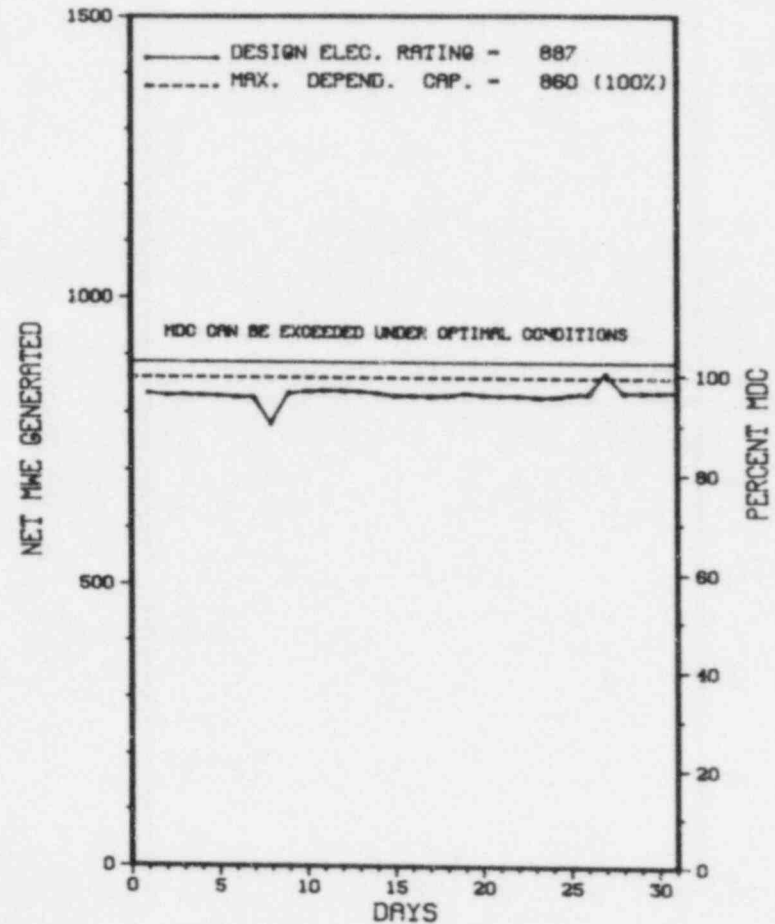
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
29-P	10/08/85	F	0.0	A	5		HB	PIPEXX	REPAIR C-BLEED LINE (CRACKED WELD).
30-P	10/08/85	S	0.0	B	5		CC	VALVEX	CONTROL & STOP VALVE MOVEMENT PT'S.

 * SUMMARY *

 OCONEE 2 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS REPORTED.

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

* OCONEE 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 11, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973
DATE COMMERCIAL OPERATE....SEPTEMBER 9, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-270
LICENSE & DATE ISSUANCE....DPR-47, OCTOBER 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 3-6 (85-27): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 10.5 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 INSERVICE INSPECTION (ISI), WORK OBSERVATION, MAIN FEEDWATER FLOW-NOZZLE MODIFICATION, CLOSING OF OPEN ITEMS, AND HIGH-PRESSURE INJECTION (HPI) THERMAL SLEEVE EXAMINATION, AND REACTOR COOLANT PUMP BEARING HOUSE BOLT FAILURES. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO USE PROPERLY QUALIFIED WELD PROCEDURE, PARAGRAPH 5.B; FAILURE TO OBTAIN FINAL QA APPROVAL ON RC PUMP REPLACEMENT BOLTS PRIOR TO UNIT 2 STARTUP, PARAGRAPH 5.A; USE OF THE FILLER METAL WHICH HAD NOT BEEN TESTED PER REQUIREMENTS OF THE REQUISITION, PARAGRAPH 5.C.

INSPECTION SEPTEMBER 3-6 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21.5 INSPECTOR-HOURS ONSITE (6 HOURS BACKSHIFT) BY TWO INSPECTORS INSPECTING SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; SECURITY PROGRAM AUDITS, RECORDS AND REPORTS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREA; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THREE VIOLATIONS WERE IDENTIFIED: INADEQUATE PROCEDURE FOR DOCUMENTATION OF VITAL AREA BARRIER INSPECTION (85-28-01); FAILURE TO MEET THE ALARM ANNUNCIATION REQUIREMENT IN THE PHYSICAL SECURITY PLAN (85-28-02); AND BREACH OF A VITAL AREA BARRIER (85-28-03). ONE UNRESOLVED ITEM WAS IDENTIFIED IN THE AREA OF PHYSICAL BARRIERS - PROTECTED (85-28-04).

INSPECTION SEPTEMBER 9-13 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

INSPECTION SEPTEMBER 16-20 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 12.5 INSPECTOR-HOURS ONSITE DURING REGULAR HOURS IN THE AREA OF RADIATION PROTECTION INCLUDING EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; TRAINING AND QUALIFICATIONS OF PERSONNEL; RADIOACTIVE MATERIALS CONTROL, POSTING AND LABELING; AND PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). ONE VIOLATION - FAILURE TO LABEL CONTAINERS OF RADIOACTIVE MATERIAL.

INSPECTION SEPTEMBER 23-27 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 12.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING THE REACTOR BUILDING TENDON SURVEILLANCE PROGRAM, AND SURVEILLANCE OF PIPE SUPPORT AND RESTRAINTS; AND FOLLOWUP ON IE INFORMATION NOTICE 85-10. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10 - OCTOBER 7 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 107.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, OFFSITE REVIEW COMMITTEE AND STARTUP FROM REFUELING AND TWO INSPECTOR-HOURS IN THE REGION. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 23-26 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 10.5 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 INSERVICE INSPECTION (ISI), REVIEW AND RECORD EVALUATION, MAIN FEEDWATER FLOW-NOZZLE POST WELD HEAT TREATMENT; CLOSING OF OPEN ITEMS; REASSEMBLY OF REACTOR COOLANT PUMP 3A2 - WORK OBSERVATION AND RECORD REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 30 - OCTOBER 4 (85-34): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 7-11 (85-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING AND WITNESSING PRE- AND POST-CRITICALITY TESTS FOLLOWING THE REFUELING OUTAGE, IE FOLLOWUP AND FOLLOWUP ON INSPECTOR IDENTIFIED ITEM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.44(B) STATES THAT EACH BOILING OR PRESSURIZED LIGHT-WATER NUCLEAR POWER REACTOR FUELED WITH OXIDE PELLETS WITHIN CYLINDRICAL ZIRCALOY CLADDING SHALL BE PROVIDED WITH THE CAPABILITY FOR MEASURING THE HYDROGEN CONCENTRATION IN THE CONTAINMENT. AN NRC CONFIRMATORY ORDER IN THE CASE OF OCONEE NUCLEAR STATION DATED MARCH 18, 1983 REQUIRED THE IMPLEMENTATION OF CERTAIN POST-TMI RELATED ITEMS AS SET FORTH IN NUREG-0737 FOR WHICH THE NRC STAFF REQUESTED COMPLETION ON OR AFTER JULY 1, 1981. NUREG-0737, ITEM II.F.1.6, "PROVIDES CONTINUOUS INDICATION OF HYDROGEN CONCENTRATION IN CONTAINMENT," WAS REPORTED AS COMPLETE FOR ALL OCONEE UNITS BY THE ORDER. NUREG-0737, ITEM II.F.6 STATES, IN PART, THAT THE ACCURACY AND PLACEMENT OF THE HYDROGEN MONITORS SHALL BE PROVIDED AND JUSTIFIED TO BE ADEQUATE FOR THEIR INTENDED FUNCTION. THE ACCURACY OF THE LICENSEE'S EQUIPMENT WAS ACCEPTED BY THE NRC IN A JULY 1984 SAFETY EVALUATION. CONTRARY TO THE ABOVE, TRAINS A AND B OF THE LICENSEE'S UNIT 1 REACTOR BUILDING HYDROGEN MONITORING SYSTEM WERE INOPERABLE FROM MARCH 6, 1985, TO MARCH 26, 1985. CONTRARY TO TS 6.4.1 AND CHEMISTRY PROCEDURE CP/O/A/2005/06A, CALCULATIONS AND DOCUMENTATION IN THE FIRST HALF OF 1985 DID NOT MEET PROCEDURAL REQUIREMENTS IN THE FOLLOWING INSTANCES: (A) UNIT 1 - JANUARY 4, 1985: PERFORMANCE OF THE 5 DAY SAMPLE RECOUNT WAS NOT DOCUMENTED. (B) UNIT 2 - MAY 21, 1985: PERFORMANCE OF THE 5 DAY SAMPLE RECOUNT WAS NOT DOCUMENTED. ALSO, E-BAR WAS CALCULATED BASED ON 45 MINUTES ELAPSED TIME RATHER THAN 2 TO 4 HOURS AS REQUIRED. (C) UNIT 3 - JUNE 25, 1985: THE RECOUNT WAS PERFORMED 4 DAYS AFTER COLLECTION RATHER THAN THE REQUIRED 5 DAYS. (8502 4)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. INSTRUCTIONS, PROCEDURES, OR DRAWINGS SHALL INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. STATION DIRECTIVE 2.2.1 PROVIDES REQUIREMENTS FOR PROCEDURE PREPARATION, USE, AND ADHERENCE. CONTRARY TO THE ABOVE, PROCEDURE MP/O/A/2001/4 DID NOT CONTAIN VENDOR RECOMMENDATIONS SUCH AS ACCEPTANCE CRITERIA FOR DROP OUT VOLTAGE, ROOM TEMPERATURE LIMITS, AND TEST TRIPS. IN ADDITION, THE MAINTENANCE PROCEDURE WAS NOT BEING STRICTLY ADHERED TO DURING MAINTENANCE OF REACTOR TRIP

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1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>95,352.0</u>
13. Hours Reactor Critical	<u>355.1</u>	<u>5,357.6</u>	<u>68,588.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>327.2</u>	<u>5,309.0</u>	<u>67,367.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>726,641</u>	<u>12,926,299</u>	<u>164,723,339</u>
18. Gross Elec Ener (MWH)	<u>245,810</u>	<u>4,434,260</u>	<u>56,859,194</u>
19. Net Elec Ener (MWH)	<u>226,354</u>	<u>4,227,237</u>	<u>54,148,610</u>
20. Unit Service Factor	<u>43.9</u>	<u>72.8</u>	<u>70.7</u>
21. Unit Avail Factor	<u>43.9</u>	<u>72.8</u>	<u>70.7</u>
22. Unit Cap Factor (MDC Net)	<u>35.3</u>	<u>67.4</u>	<u>65.9*</u>
23. Unit Cap Factor (DER Net)	<u>34.3</u>	<u>65.3</u>	<u>64.1*</u>
24. Unit Forced Outage Rate	<u>42.2</u>	<u>8.9</u>	<u>13.9</u>
25. Forced Outage Hours	<u>238.5</u>	<u>519.6</u>	<u>11,066.8</u>

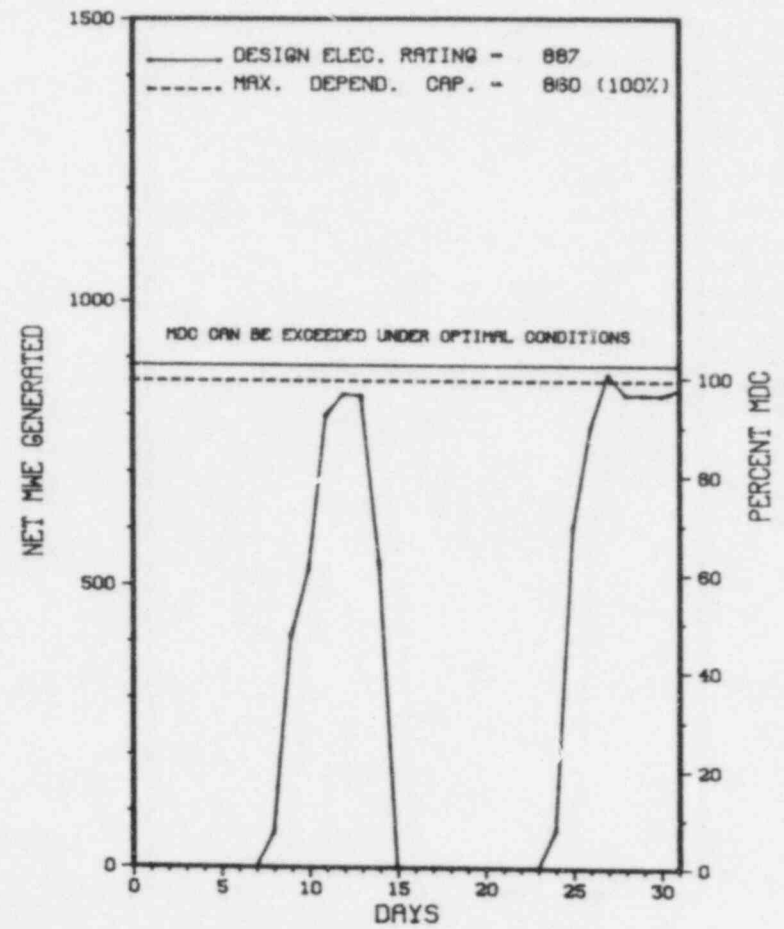
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	08/08/85	S	179.3	C	4		RC	FUELXX	END OF CYCLE & REFUELING OUTAGE.
21-P	10/08/85	S	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
22-P	10/09/85	F	0.0	A	5		HA	XXXXXX	TURBINE CONTROL SYSTEM MALFUNCTION (EHC).
23-P	10/09/85	S	0.0	B	5		RC	XXXXXX	PHYSICS TESTING.
24-P	10/10/85	S	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
25-P	10/10/85	F	0.0	H	5		RC	INSTRU	REACTOR LOAD LIMIT SETPOINT ON UNIT LOAD DEMAND AT 75%.
26-P	10/11/85	S	0.0	B	5		RC	XXXXXX	REACTOR COOLANT SYSTEM FLOW TEST.
27-P	10/11/85	F	0.0	F	5		CC	HTEXCH	EVALUATE POSSIBLE CONDENSER TUBE LEAK.
28-P	10/14/85	F	0.0	A	5		HH	PUMPXX	(3D1) HEATER DRAIN PUMP MOTOR COOLER REPAIR.
5	10/14/85	F	150.7	A	1		CA	XXXXXX	REACTOR COOLANT SYSTEM LEAKAGE EVALUATION-REACTOR VESSEL HEAD.
6	10/21/85	F	87.8	A	1		CJ	VALVEX	REPAIRS ON LOW PRESSURE INJECTION VALVES (3LP-1, 2, & 17).
29-P	10/24/85	F	0.0	A	5		CH	PUMPXX	HOLDING TO START FEEDWATER PUMP (3A) AND HEATER DRAIN PUMP (3D).
31-P	10/25/85	F	0.0	B	5		HH	PUMPXX	(3B) CONDENSATE BOOSTER PUMP OUT OF SERVICE FOR OIL CHANGE.
32-P	10/25/85	F	0.0	A	5		HH	PUMPXX	(3D1) HEATER DRAIN PUMP OUT OF SERVICE.

 * SUMMARY *

 OCONEE 3 INCURRED 3 SHUTDOWNS AND SEVERAL POWER REDUCTIONS AS NOTED ABOVE.

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

* OCONEE 3 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 5, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 18, 1974
DATE COMMERCIAL OPERATE...DECEMBER 16, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER....H. NICOLARAS
DOCKET NUMBER.....50-287
LICENSE & DATE ISSUANCE...DPR-55, JULY 19, 1974
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 3-6 (85-27): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 INSERVICE INSPECTION (ISI), WORK OBSERVATION, MAIN FEEDWATER FLOW-NOZZLE MODIFICATION, CLOSING OF OPEN ITEMS, AND HIGH-PRESSURE INJECTION (HPI) THERMAL SLEEVE EXAMINATION, AND REACTOR COOLANT PUMP BEARING HOUSE BOLT FAILURES. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO USE PROPERLY QUALIFIED WELD PROCEDURE, PARAGRAPH 5.B; FAILURE TO OBTAIN FINAL QA APPROVAL ON RC PUMP REPLACEMENT BOLTS PRIOR TO UNIT 2 STARTUP, PARAGRAPH 5.A; USE OF THE FILLER METAL WHICH HAD NOT BEEN TESTED PER REQUIREMENTS OF THE REQUISITION, PARAGRAPH 5.C.

INSPECTION SEPTEMBER 3-6 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ONSITE (6 HOURS BACKSHIFT) BY TWO INSPECTORS INSPECTING SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; SECURITY PROGRAM AUDITS, RECORDS AND REPORTS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREA; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THREE VIOLATIONS WERE IDENTIFIED: INADEQUATE PROCEDURE FOR DOCUMENTATION OF VITAL AREA BARRIER INSPECTION (85-28-01); FAILURE TO MEET THE ALARM ANNUNCIATION REQUIREMENT IN THE PHYSICAL SECURITY PLAN (85-28-02); AND BREACH OF A VITAL AREA BARRIER (85-28-03). ONE UNRESOLVED ITEM WAS IDENTIFIED IN THE AREA OF PHYSICAL BARRIERS - PROTECTED (85-28-04).

INSPECTION SEPTEMBER 9-13 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

INSPECTION SEPTEMBER 16-20 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ONSITE DURING REGULAR HOURS IN THE AREA OF RADIATION PROTECTION INCLUDING EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; TRAINING AND QUALIFICATIONS OF PERSONNEL; RADIOACTIVE MATERIALS CONTROL, POSTING AND LABELING; AND PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). ONE VIOLATION - FAILURE TO LABEL CONTAINERS OF RADIOACTIVE MATERIAL.

INSPECTION SEPTEMBER 23-27 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING THE REACTOR BUILDING TENDON SURVEILLANCE PROGRAM, AND SURVEILLANCE OF PIPE SUPPORT AND RESTRAINTS; AND FOLLOWUP ON IE INFORMATION NOTICE 85-10. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10 - OCTOBER 7 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 107 INSPECTOR-HOURS ONSITE REVIEW COMMITTEE AND STARTUP FROM REFUELING AND TWO INSPECTOR-HOURS IN THE REGION. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 23-26 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 INSERVICE INSPECTION (ISI), REVIEW AND RECORD EVALUATION, MAIN FEEDWATER FLOW-NOZZLE POST WELD HEAT TREATMENT; CLOSING OF OPEN ITEMS; REASSEMBLY OF REACTOR COOLANT PUMP 3A2 - WORK OBSERVATION AND RECORD REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 30 - OCTOBER 4 (85-34): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ONSITE IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 7-11 (85-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING AND WITNESSING PRE- AND POST-CRITICALITY TESTS FOLLOWING THE REFUELING OUTAGE, IE FOLLOWUP AND FOLLOWUP ON INSPECTOR IDENTIFIED ITEM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.44(B) STATES THAT EACH BOILING OR PRESSURIZED LIGHT-WATER NUCLEAR POWER REACTOR FUELED WITH OXIDE PELLETS WITHIN CYLINDRICAL ZIRCALOY CLADDING SHALL BE PROVIDED WITH THE CAPABILITY FOR MEASURING THE HYDROGEN CONCENTRATION IN THE CONTAINMENT. AN NRC CONFIRMATORY ORDER IN THE CASE OF OCONEE NUCLEAR STATION DATED MARCH 18, 1983 REQUIRED THE IMPLEMENTATION OF CERTAIN POST-TMI RELATED ITEMS AS SET FORTH IN NUREG-0737 FOR WHICH THE NRC STAFF REQUESTED COMPLETION ON OR AFTER JULY 1, 1981. NUREG-0737, ITEM II.F.1.6, "PROVIDES CONTINUOUS INDICATION OF HYDROGEN CONCENTRATION IN CONTAINMENT," WAS REPORTED AS COMPLETE FOR ALL OCONEE UNITS BY THE ORDER. NUREG-0737, ITEM II.F.6 STATES, IN PART, THAT THE ACCURACY AND PLACEMENT OF THE HYDROGEN MONITORS SHALL BE PROVIDED AND JUSTIFIED TO BE ADEQUATE FOR THEIR INTENDED FUNCTION. THE ACCURACY OF THE LICENSEE'S EQUIPMENT WAS ACCEPTED BY THE NRC IN A JULY 1984 SAFETY EVALUATION. CONTRARY TO THE ABOVE, TRAINS A AND B OF THE LICENSEE'S UNIT 1 REACTOR BUILDING HYDROGEN MONITORING SYSTEM WERE INOPERABLE FROM MARCH 6, 1985, TO MARCH 26, 1985. CONTRARY TO TS 6.4.1 AND CHEMISTRY PROCEDURE CP/O/A/2005/06A, CALCULATIONS AND DOCUMENTATION IN THE FIRST HALF OF 1985 DID NOT MEET PROCEDURAL REQUIREMENTS IN THE FOLLOWING INSTANCES: (A) UNIT 1 - JANUARY 4, 1985: PERFORMANCE OF THE 5 DAY SAMPLE RECOUNT WAS NOT DOCUMENTED. (B) UNIT 2 - MAY 21, 1985: PERFORMANCE OF THE 5 DAY SAMPLE RECOUNT WAS NOT DOCUMENTED. ALSO, E-BAR WAS CALCULATED BASED ON 45 MINUTES ELAPSED TIME RATHER THAN 2 TO 4 HOURS AS REQUIRED. (C) UNIT 3 - JUNE 25, 1985: THE RECOUNT WAS PERFORMED 4 DAYS AFTER COLLECTION RATHER THAN THE REQUIRED 5 DAYS.
(3502 4)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. INSTRUCTIONS, PROCEDURES, OR DRAWINGS SHALL INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. STATION DIRECTIVE 2.2.1 PROVIDES REQUIREMENTS FOR PROCEDURE PREPARATION, USE, AND ADHERENCE. CONTRARY TO THE ABOVE, PROCEDURE MP/O/A/2061/4 DID NOT CONTAIN VENDOR RECOMMENDATIONS SUCH AS ACCEPTANCE CRITERIA FOR DROP OUT VOLTAGE, ROOM TEMPERATURE LIMITS, AND TEST TRIPS. IN ADDITION, THE MAINTENANCE PROCEDURE WAS NOT BEING STRICTLY ADHERED TO DURING MAINTENANCE OF REACTOR TRIP

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>139,008.0</u>
13. Hours Reactor Critical	<u>439.3</u>	<u>5,859.0</u>	<u>92,182.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>289.8</u>	<u>759.5</u>
15. Hrs Generator On-Line	<u>433.9</u>	<u>5,631.8</u>	<u>89,168.5</u>
16. Unit Reserve Shtdwn Hrs	<u>310.1</u>	<u>882.5</u>	<u>885.2</u>
17. Gross Therm Ener (MWH)	<u>806,300</u>	<u>9,955,440</u>	<u>147,294,300</u>
18. Gross Elec Ener (MWH)	<u>270,880</u>	<u>3,356,970</u>	<u>49,739,965</u>
19. Net Elec Ener (MWH)	<u>259,390</u>	<u>3,220,026</u>	<u>47,784,486</u>
20. Unit Service Factor	<u>58.2</u>	<u>77.2</u>	<u>64.1</u>
21. Unit Avail Factor	<u>99.9</u>	<u>89.3</u>	<u>64.8</u>
22. Unit Cap Factor (MDC Net)	<u>56.2</u>	<u>71.2</u>	<u>55.4*</u>
23. Unit Cap Factor (DER Net)	<u>53.6</u>	<u>67.9</u>	<u>52.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>19.1</u>	<u>12.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,333.5</u>	<u>10,730.2</u>

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

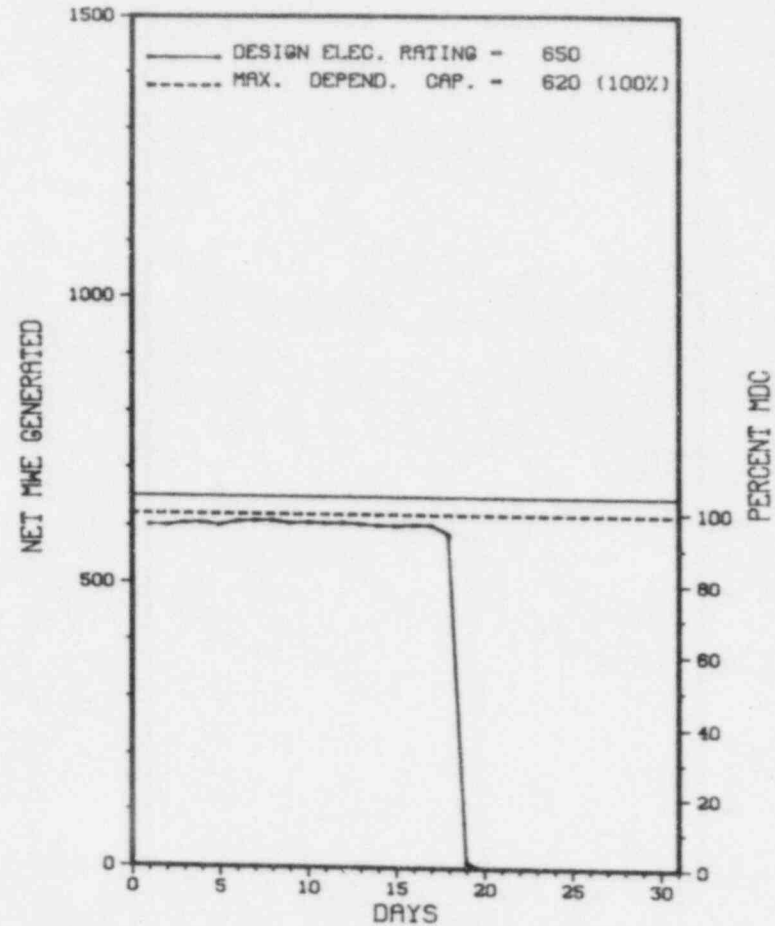
REFUELING: APRIL 12, 1986, 6 MONTHS

27. If Currently Shutdown Estimated Startup Date: 11/18/85

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
41	10/19/85	S	311.1	B	1		ZZ	ZZZZZZ	10-M MAINTENANCE OUTAGE.

* SUMMARY *

OYSTER CREEK 1 BEGAN A MAINTENANCE OUTAGE ON OCTOBER 19TH AND REMAINED SHUT DOWN FOR THE REMAINDER 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)

* OYSTER CREEK 1 *

FACILITY DATA

Report Period OCT 1985

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.....W. BATEMAN
LICENSING PROJ MANAGER.....J. DONOHEW
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.

Report Period OCT 1985

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)

* O Y S T E R C R E E K 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: 50-255 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: P. A. SMITH (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): 770

8. Maximum Dependable Capacity (Net MWe): 730

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEM 6 & 7 ARE REVISED

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>745.0</u>	<u>7,296.0</u>	<u>121,575.0</u>
13. Hours Reactor Critical	<u>653.9</u>	<u>6,781.1</u>	<u>67,591.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>648.6</u>	<u>6,638.9</u>	<u>64,253.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,557,216</u>	<u>15,774,364</u>	<u>133,857,814</u>
18. Gross Elec Ener (MWH)	<u>501,200</u>	<u>5,035,300</u>	<u>41,653,090</u>
19. Net Elec Ener (MWH)	<u>474,395</u>	<u>4,766,357</u>	<u>39,205,920</u>
20. Unit Service Factor	<u>87.1</u>	<u>91.0</u>	<u>52.9</u>
21. Unit Avail Factor	<u>87.1</u>	<u>91.0</u>	<u>52.9</u>
22. Unit Cap Factor (MDC Net)	<u>87.2</u>	<u>101.3</u>	<u>44.2</u>
23. Unit Cap Factor (DER Net)	<u>79.1</u>	<u>81.2</u>	<u>40.1</u>
24. Unit Forced Outage Rate	<u>12.9</u>	<u>9.0</u>	<u>31.6</u>
25. Forced Outage Hours	<u>96.4</u>	<u>657.1</u>	<u>15,556.1</u>

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

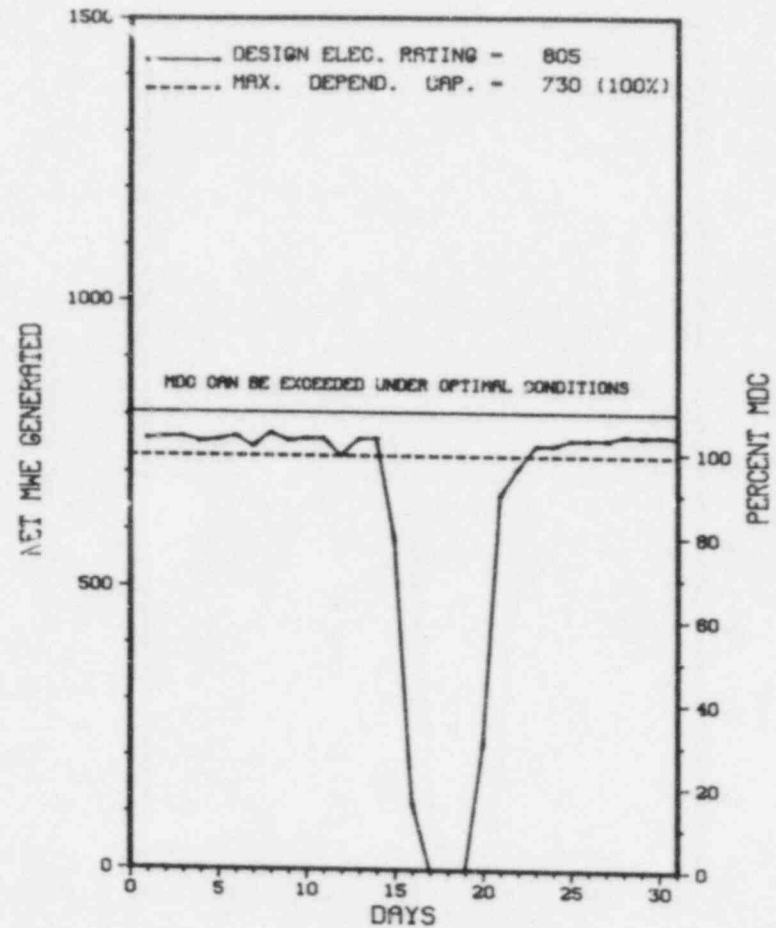
REFUELING OUTAGE: NOVEMBER 30, 1985, 72 DAYS

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

 * PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14	10/15/85	F	96.4	B	1				MOV-3015 PACKING LEAK.

* SUMMARY *

PALISADES EXPERIENCED 1 SHUTDOWN IN OCTOBER TO REPAIR A PACKING LEAK.

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

* PALISADES *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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.....INGHOUSE

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.....VAN ZOEREN LIBRARY
HOPE COLLEGE
HOLLAND, MICHIGAN
49423 49007

INSPECTION SUMMARY

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

INSPECTION ON AUGUST 19-22, AND SEPTEMBER 20 (85016): ROUTINE, ANNOUNCED, INSPECTION OF THE PALISADES NUCLEAR GENERATING PLANT EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY EIGHT NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 185 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS AND FOUR CONSULTANTS. NO VIOLATIONS OF THE REQUIREMENTS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SIX WEAKNESSES WERE IDENTIFIED WHICH ARE SUMMARIZED IN THE APPENDIX. MOST OF THESE WEAKNESSES AND THE LICENSEE'S PROPOSED CORRECTIVE ACTIONS WERE DISCUSSED AT THE SEPTEMBER 29TH MEETING.

MEETING ON SEPTEMBER 5 (85022): A SPECIAL MANAGEMENT MEETING WAS CONDUCTED TO DISCUSS WEAKNESSES IN THE PALISADES EMERGENCY PREPAREDNESS ANNUAL EXERCISE OF AUGUST 20, 1985, AND ALSO TO EMPHASIZE REGION III'S CONCERN WITH THE OVERALL TREND AND PERFORMANCE OF THE PALISADES EMERGENCY PREPAREDNESS PROGRAM. THE MEETING INVOLVED THREE INSPECTOR HOURS BY TWO NRC REPRESENTATIVES.

INSPECTION ON SEPTEMBER 9-11 (85012; 85012): ROUTINE, ANNOUNCED INSPECTION OF THE POINT BEACH NUCLEAR PLANT EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 168 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED; HOWEVER, ONE WEAKNESS WAS IDENTIFIED AND IS LISTED IN THE APPENDIX.

INSPECTION ON AUGUST 1 THROUGH SEPTEMBER 30 (85015; 85015): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; RECEIPT OF NEW FUEL; PREPARATION FOR REFUELING; SPENT FUEL PIT ACTIVITIES; AND LICENSEE EVENT REPORT FOLLOW-UP. THE INSPECTION INVOLVED A TOTAL OF 308 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 52 INSPECTOR-HOURS ON

INSPECTION SUMMARY

OFF-SHIFTS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN SIX OF THE AREAS. ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (VIOLATION OF TECHNICAL SPECIFICATION).

INSPECTION ON SEPTEMBER 3-6 (85017; 85017): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; INTERNAL AND EXTERNAL EXPOSURE CONTROLS; POSTING AND ACCESS CONTROLS; CONTAMINATION CONTROL; TRAINING; TRANSPORTATION ACTIVITIES, INCIDENTS CONCERNING RADIOACTIVE INTAKE; PREVIOUS INSPECTION FINDINGS; AND CERTAIN IE INFORMATION NOTICES. THE INSPECTION INVOLVED THIRTY TWO HOURS BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 9-13 (85018): ROUTINE, ANNOUNCED INSPECTION TO REVIEW LICENSEE PROCEDURES AND RESULTS IN THE AREAS OF CORE POWER DISTRIBUTION LIMITS, CONTROL ROD WORTH MEASUREMENTS, AXIAL FLUX DIFFERENCE MEASUREMENTS, CORE THERMAL POWER CALCULATION AND ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT. THE INSPECTION INVOLVED 35 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.59 STATES IN PART: "THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES IN THE FACILITY..." WHICH " SHALL INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASIS FOR THE DETERMINATION THAT THE CHANGE... DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION." CONTRARY TO THE ABOVE, THE LICENSEE REMOVED ROOF HATCHES FOR THE EAST SAFEGUARDS PUMP ROOM ON JULY 17, 1985, AN ACTION WHICH PARTIALLY DEFEATED THE VENTILATION ISOLATION CAPABILITY OF THE ROOM AS DESCRIBED IN THE FSAR SECTION 7.4.5.2, WITHOUT PERFORMING A SAFETY EVALUATION. 10 CFR 50, APPENDIX B, CRITERION III STATES: "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS ... FOR THOSE STRUCTURES, SYSTEMS, AND COMPONENTS TO WHICH THIS APPENDIX APPLIES ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES, AND INSTRUCTIONS. THESE MEASURES SHALL INCLUDE PROVISIONS TO ASSURE THAT APPROPRIATE QUALITY STANDARDS ARE SPECIFIED AND INCLUDED IN DESIGN DOCUMENTS AND THAT DEVIATIONS FROM SUCH STANDARDS ARE CONTROLLED. MEASURES SHALL ALSO BE ESTABLISHED FOR THE SELECTION AND REVIEW FOR SUITABILITY OF APPLICATION OF MATERIALS, PARTS, EQUIPMENT, AND PROCESSES THAT ARE ESSENTIAL TO THE SAFETY-RELATED FUNCTIONS OF THE STRUCTURES, SYSTEMS AND COMPONENTS." ALSO, "THE DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN..." CONSUMERS POWER COMPANY QUALITY ASSURANCE TOPICAL REPORT CPC-2A IMPLEMENTS 10 CFR 50 APPENDIX B. SECTION 3.1 OF THE TOPICAL REPORT FURTHER STATES: "...THE (DESIGN) CONTROLS APPLY TO PREPARATION AND REVIEW OF DESIGN DOCUMENTS, INCLUDING THE CORRECT TRANSLATION OF APPLICABLE REGULATORY REQUIREMENTS AND DESIGN BASES INTO DESIGN, PROCUREMENT AND DESIGN BASES INTO DESIGN, PROCUREMENT AND PROCEDURAL DOCUMENTS." APPENDIX A, PART 1 OF THE TOPICAL REPORT ENTITLED "REGULATORY GUIDE AND ANSI STANDARD COMMITMENTS" COMMIT THE PLANT TO ANSI N45.2.11-1974 AND N18.7-1976. CONTRARY TO THE ABOVE: (A) DESIGN CONSIDERATIONS FOR REDUNDANCY, DIVERSITY, AND SEPARATION WERE INCORRECTLY APPLIED FOR FACILITY CHANGE (FC) 452-2 WHICH INSTALLED A SINGLE PRESSURE SWITCH AND RELAY IN SERIES WITH BOTH TRAINS OF THE CONTAINMENT ISOLATION SIGNAL TO THE COMPONENT COOLING WATER (CCW) ISOLATION VALVES. THE EVALUATOR OF THE CHANGE INCORRECTLY ASSUMED THAT REDUNDANT PRESSURE SWITCHES WERE INCLUDED IN THE DESIGN. ALSO THIS CHANGE DID NOT CONSIDER THE IMPACT OF THE OPERATION OF THE NON-SEISMIC PORTION OF THE CCW SYSTEM INSIDE CONTAINMENT DURING AN ACCIDENT OR EVENT, AND (B) PURCHASE DOCUMENTS ASSOCIATED WITH FC-452-2 DID NOT SPECIFY THE APPROPRIATE REQUIREMENTS FOR CLASS 1E SYSTEM COMPONENTS. 10 CFR 50.59(A)(1) REQUIRES PRIOR COMMISSION APPROVAL OF A CHANGE INVOLVING AN UNREVIEWED SAFETY QUESTION. PARAGRAPH (A)(2) IN PART DEFINES AN UNREVIEWED SAFETY QUESTION AS A CHANGE WHERE THE PROBABILITY OF OCCURRENCE OR THE CONSEQUENCES OF AN ACCIDENT OR MALFUNCTION OF EQUIPMENT IMPORTANT TO SAFETY PREVIOUSLY EVALUATED IN THE SAFETY ANALYSIS REPORT MAY BE INCREASED. CONTRARY TO THE ABOVE, THE SAFETY EVALUATION FOR FC-452-2 DID NOT CONCLUDE THAT AN UNREVIEWED SAFETY QUESTION EXISTED WHEREAS THE PROBABILITY OF THE OCCURRENCE OF A MALFUNCTION OF THE INITIATION CIRCUIT FOR CONTAINMENT ISOLATION OF THE CCW SYSTEM WAS INCREASED BY ADDING ANOTHER RELAY IN SERIES WITH THE SAFETY INJECTION SIGNAL. (THE SAFETY EVALUATION THAT WAS PERFORMED ALSO INACCURATELY DESCRIBED REDUNDANT PRESSURE SWITCHES.) THE NRC HAD BEEN NOTIFIED OF THE LICENSEE'S INTENT TO MAKE A DIFFERENT MODIFICATION TO THE ISOLATION LOGIC.
(8501 4)

TECHNICAL SPECIFICATION 6.8.1.F REQUIRES THE IMPLEMENTATION OF PROCEDURES COVERING THE SITE FIRE PROTECTION PROGRAM. FIRE PROTECTION IMPLEMENTING PROCEDURE NO. 7, SECTION 9.2 SETS FORTH REQUIREMENTS FOR TRAINING OF FIRE WATCHES AND THEIR DUTIES AND RESPONSIBILITIES WHICH INCLUDE BEING PRESENT DURING HOT WORK WITH A SUITABLE FIRE EXTINGUISHER. CONTRARY TO THE ABOVE ON JULY 16,

Report Period OCT 1985

INSPECTION STATUS - (CONTINUED)

* PALISADES *

ENFORCEMENT SUMMARY

85. A WELDER WAS OBSERVED GRINDING, AN ACTIVITY FOR WHICH HE HAD OBTAINED A "HOT WORK PERMIT", WITHOUT POSTING A FIRE WATCH OR HAVING A FIRE EXTINGUISHER PRESENT.
(501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

CONTINUED INVESTIGATION AND REPAIR OF PRIMARY COOLANT PUMP P-50C: IMPELLER SEPARATION DUE TO FATIGUE FAILURE OF THE BOLTS; CAUSE BELIEVED TO BE PUMP-UNIQUE, ASSEMBLE ERROR AND INADEQUATE TORQUE. A FINAL INVESTIGATION REPORT WILL BE DOCKETED BY THE LICENSEE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY

LAST IE SITE INSPECTION DATE: DECEMBER 9-13, 1985

INSPECTION REPORT NO: 85029

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-17	09/09/85	10/09/85	EEQ DEFICIENT ESF ROOM THERMOSTATS
85-18	09/16/85	10/10/85	PRESSURE TRANSMITTER CALIBRATION ERROR
85-19	09/30/85	10/31/85	CONTAINMENT ISOLATION SURVEILLANCE TEST DEFICIENCY

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1. Docket: 50-528 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: MARY P. RICHARDSON (602) 932-5300

4. Licensed Thermal Power (MWt): 3800

5. Nameplate Rating (Gross MWe): 1304

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1270

8. Maximum Dependable Capacity (Net MWe): 1270

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>745.0</u>	<u>3,435.6</u>	<u>3,435.6</u>
13. Hours Reactor Critical	<u>386.3</u>	<u>1,863.4</u>	<u>1,863.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>350.7</u>	<u>1,555.2</u>	<u>1,555.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>962,630</u>	<u>2,933,265</u>	<u>2,933,265</u>
18. Gross Elec Ener (MWH)	<u>321,700</u>	<u>858,100</u>	<u>858,100</u>
19. Net Elec Ener (MWH)	<u>279,267</u>	<u>696,869</u>	<u>696,869</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>394.3</u>	<u>1,880.4</u>	<u>1,880.4</u>

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

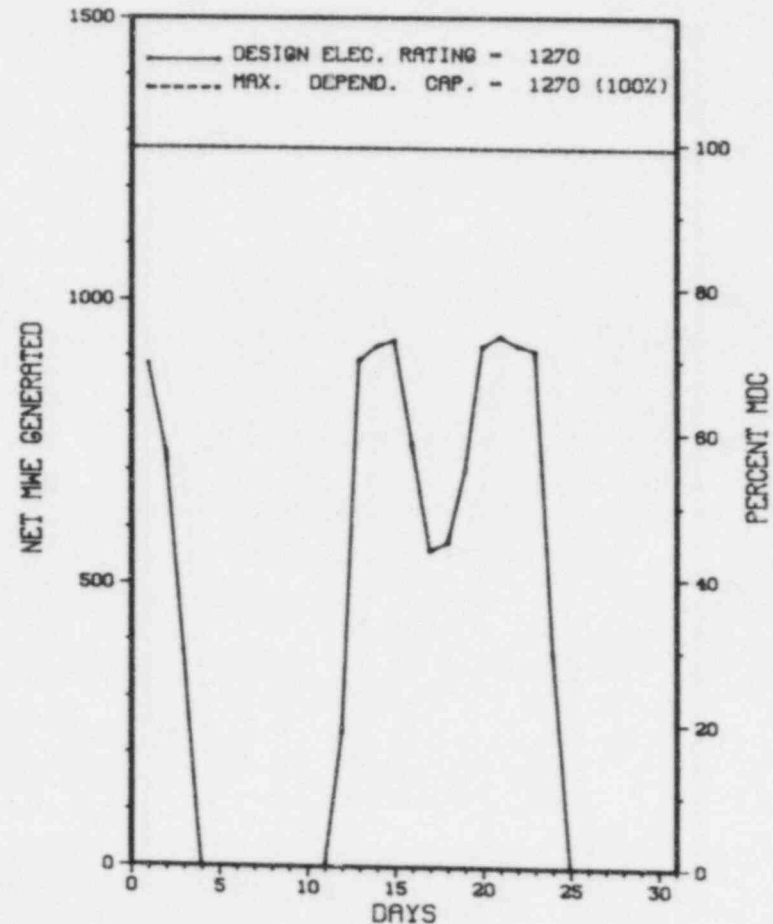
SURVEILLANCE TEST OUTAGE - 3/86, 49 DAYS

27. If Currently Shutdown Estimated Startup Date: 11/29/85

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X PALO VERDE 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PALO VERDE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	10/02/85	F	0.0	H	5		SJ		DECREASE IN POWER DUE TO S/G CHEMISTRY/CONDENSER TUBE LEAK.
14	10/03/85	F	211.3	A	3	85-058-00	EA	MPX	PLANT MULTIPLEXER MALFUNCTION.
16	10/16/85	S	0.0	B	5				TESTING FOR REACTOR ENGINEERING.
17	10/24/85	F	183.0	B	3	85-071-00	SB	LE	INSTRUMENTATION SPIKE CAUSED BY A SHOCK WAVE. INCREASED DELAY TIME FOR REACTOR TRIP ACTUATION TO FILTER THE SPIKE.

 * SUMMARY *

 PALO VERDE 1 CONTINUES 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)

* PALO VERDE 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ARIZONA
COUNTY.....MARICOPA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...36 MI W OF
PHOENIX, AZ
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 25, 1985
DATE ELEC ENER 1ST GENER...JUNE 10, 1985
DATE COMMERCIAL OPERATE....*****
CONDENSER COOLING METHOD...TREATED SEWAGE
CONDENSER COOLING WATER...SEWAGE TREATMENT
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARIZONA PUBLIC SERVICE
CORPORATE ADDRESS.....P.O. BOX 21666
PHOENIX, ARIZONA 85036
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. ZIMMERMAN
LICENSING PROJ MANAGER....E. LICITRA
DOCKET NUMBER.....50-528
LICENSE & DATE ISSUANCE...NPF-1, JUNE 1, 1985
PUBLIC DOCUMENT ROOM.....MS STEFANIE MORITZ
DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST MCDOWELL ROAD
PHOENIX, ARIZONA 85004

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

INSPECTION SUMMARY

+ INSPECTION ON JULY 22-26, 1985 (REPORT NO. 50-528/85-24) AREAS INSPECTED: NONROUTINE EVENT FOLLOWUP; MANAGEMENT EFFECTIVENESS-SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; PERSONNEL TRAINING AND QUALIFICATION PLAN; AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 1 - SEPTEMBER 8, 1985 (REPORT NO. 50-528/85-26) AREAS INSPECTED: ROUTINE, ONSITE INSPECTION BY THE THREE RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: REVIEW OF PLANT ACTIVITIES; SURVEILLANCE TESTING; PLANT MAINTENANCE; PREOPERATIONAL TESTING ACTIVITIES; ENGINEERED SAFETY FEATURES CONFIGURATIONS; PERIODIC AND SPECIAL REPORT REVIEW; CONFORMANCE OF AS-BUILT SYSTEMS TO TECHNICAL SPECIFICATION; POTENTIAL TAMPERING WITH PLANT EQUIPMENT; DIESEL GENERATOR SPEED CONTROL MODIFICATIONS; STAFF OVERTIME; TECHNICAL SPECIFICATION ACTION STATEMENT COMPLIANCE; DEFICIENCY EVALUATION REPORT FOLLOWUP; AND PLANT TOURS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 209 INSPECTOR-HOURS ONSITE BY THREE RESIDENT NRC INSPECTORS.

RESULTS: OF THE 14 AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED IN TWO AREAS (FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION,

INSPECTION SUMMARY

RESULTING IN A REPETITIVE TECHNICAL SPECIFICATION VIOLATION; AND EXCEEDING TECHNICAL SPECIFICATION OVERTIME LIMITS WITHOUT APPROVAL BY THE PLANT MANAGER OR HIS DESIGNEE).

+ INSPECTION ON AUGUST 7 - SEPTEMBER 22, 1985 (REPORT NO. 50-528/85-28) AREAS INSPECTED: A ROUTINE, ONSITE INSPECTION BY THE CONSTRUCTION RESIDENT INSPECTORS OF ACTIVITIES RELATED TO LICENSEE ACTION ON NRC IDENTIFIED ITEMS; REVIEW OF LICENSEE ACTION ON A REPORTED 50.55(E) ITEM, INSPECTOR REVIEW OF QUALITY RECORDS RELATED TO ELECTRICAL CABLE AND TERMINATIONS, INSTRUMENT COMPONENTS, CONTAINMENT STEEL STRUCTURES AND SUPPORTS, AND SAFETY-RELATED STRUCTURES; OBSERVATION OF WORK RELATED TO SAFETY-RELATED PIPING, AND CLOSURE OF ALLEGATION NO. RV-85-A-033. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 354 INSPECTOR-HOURS ONSITE BY TWO RESIDENT NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 23-27, 1985 (REPORT NO. 50-528/85-30) AREAS INSPECTED: TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; DETECTION AIDS - VITAL AREAS; CONTINGENCY PLAN IMPLEMENTING PROCEDURES; AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 41 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEMS: DETECTION AIDS - PROTECTED AREA: FAILURE TO COMPENSATE FOR IDENTIFIED DEFICIENCY; FAILURE TO NOTIFY NRC OF MODERATE LOSS OF PHYSICAL SECURITY EFFECTIVENESS.

+ INSPECTION ON OCTOBER 28 - NOVEMBER 8, 1985 (REPORT NO. 50-528/85-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 9 - OCTOBER 31, 1985 (REPORT NO. 50-528/85-32) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 16-27, 1985 (REPORT NO. 50-528/85-33) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF POWER ASCENSION TEST DATA REVIEW. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 124 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 27 - OCTOBER 4, 1985 (REPORT NO. 50-528/85-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 7-10, 1985 (REPORT NO. 50-528/85-35) AREAS INSPECTED: FOLLOWUP ON INSPECTOR-IDENTIFIED PROBLEM AND UNRESOLVED ITEMS, AND FOLLOWUP ON NON-ROUTINE EVENTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 5 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 16, 1985 - FEBRUARY 1, 1986 (REPORT NO. 50-528/85-36) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE. INSPECTION CONTINUING; TO BE REPORTED IN FEBRUARY 1986.

+ INSPECTION ON SEPTEMBER 23 - OCTOBER 28, 1985 (REPORT NO. 50-528/85-37) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 3-29, 1985 (REPORT NO. 50-528/85-38) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 21-24, 1985 (REPORT NO. 50-528/85-39) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 15 - NOVEMBER 1, 1985 (REPORT NO. 50-528/85-40) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

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1. Docket: 50-277 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

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

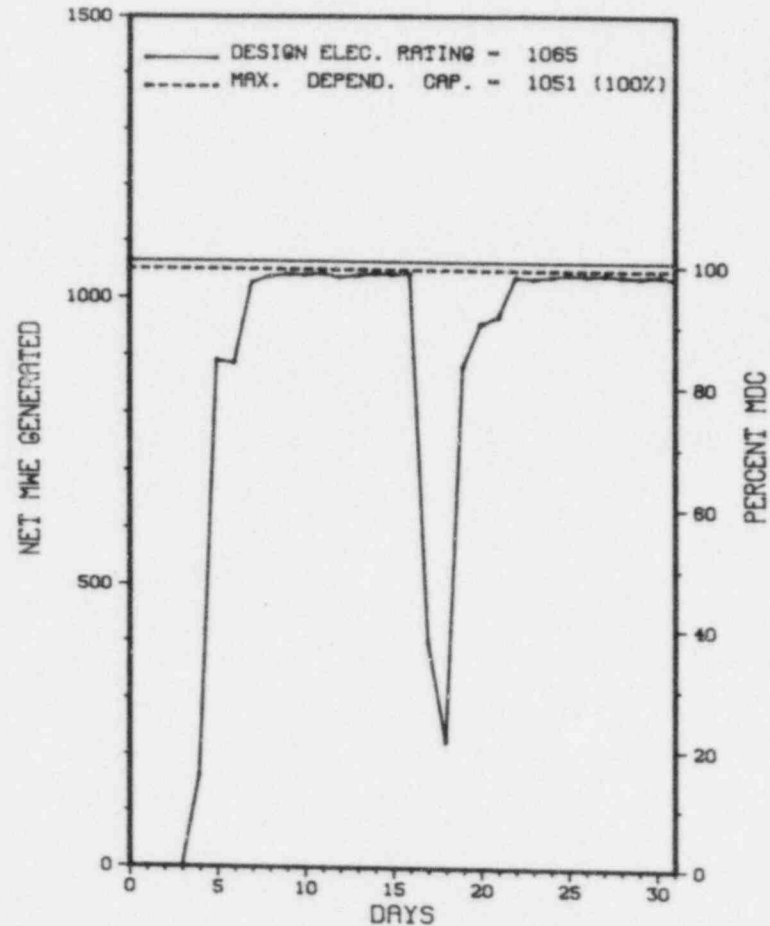
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>99,288.0</u>
13. Hours Reactor Critical	<u>654.8</u>	<u>2,140.0</u>	<u>64,423.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>629.6</u>	<u>1,859.2</u>	<u>62,415.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,992,144</u>	<u>5,545,752</u>	<u>183,965,753</u>
18. Gross Elec Ener (MWH)	<u>653,020</u>	<u>1,752,350</u>	<u>60,471,010</u>
19. Net Elec Ener (MWH)	<u>628,848</u>	<u>1,620,102</u>	<u>57,882,440</u>
20. Unit Service Factor	<u>84.5</u>	<u>25.5</u>	<u>62.9</u>
21. Unit Avail Factor	<u>84.5</u>	<u>25.5</u>	<u>62.9</u>
22. Unit Cap Factor (MDC Net)	<u>80.3</u>	<u>21.1</u>	<u>55.5</u>
23. Unit Cap Factor (DER Net)	<u>79.3</u>	<u>20.9</u>	<u>54.7</u>
24. Unit Forced Outage Rate	<u>15.5</u>	<u>26.6</u>	<u>13.0</u>
25. Forced Outage Hours	<u>115.4</u>	<u>673.9</u>	<u>9,302.5</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>			

 * PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/19/85	F	86.8	A	4	85-19	CF	PUMPXX	TECH. SPEC. REQUIRED SHUTDOWN DUE TO E-2 DIESEL GENERATOR OUTAGE FOR ALTERNATE SHUTDOWN TESTING WITH COINCIDENT LPCI PUMP CAPACITY DEFICIENCY (2A RHR PUMP). START-UP DELAYED UNTIL LPCI PUMP CAPACITY COULD BE DETERMINED TO SATISFY TECH. SPEC. REQUIREMENTS.
	10/06/85	S	0.0	B	5		RC	ZZZZZ	LOAD REDUCTION TO 600 MWE FOR ROD PATTERN ADJUSTMENT.
	10/17/85	F	28.6	A	3	85-22	CH	INSTAN	A LO-LO REACTOR WATER LEVEL SCRAM OCCURRED DUE TO A LOOSE RIBBON CABLE CONNECTOR IN THE FEEDWATER CONTROL SYSTEM.
	10/20/85	S	0.0	B	5		RC	ZZZZZ	LOAD REDUCTION TO 600 MWE FOR ROD PATTERN ADJUSTMENT.

 * SUMMARY *

 PEACH BOTTOM 2 EXPERIENCED 2 OUTAGES AND 2 POWER REDUCTIONS IN OCTOBER 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)

* PEACH BOTTOM 2 *

FACILITY DATA

Report Period OCT 1985

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.....T. JOHNSON
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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>95,184.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>4,055.7</u>	<u>68,613.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,989.3</u>	<u>66,854.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>10,796,856</u>	<u>194,996,664</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,486,130</u>	<u>63,993,670</u>
19. Net Elec Ener (MWH)	<u>-6,851</u>	<u>3,296,348</u>	<u>61,405,650</u>
20. Unit Service Factor	<u>.0</u>	<u>54.7</u>	<u>70.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>54.7</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>43.7</u>	<u>62.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>42.4</u>	<u>60.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>31.5</u>	<u>5,126.6</u>

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

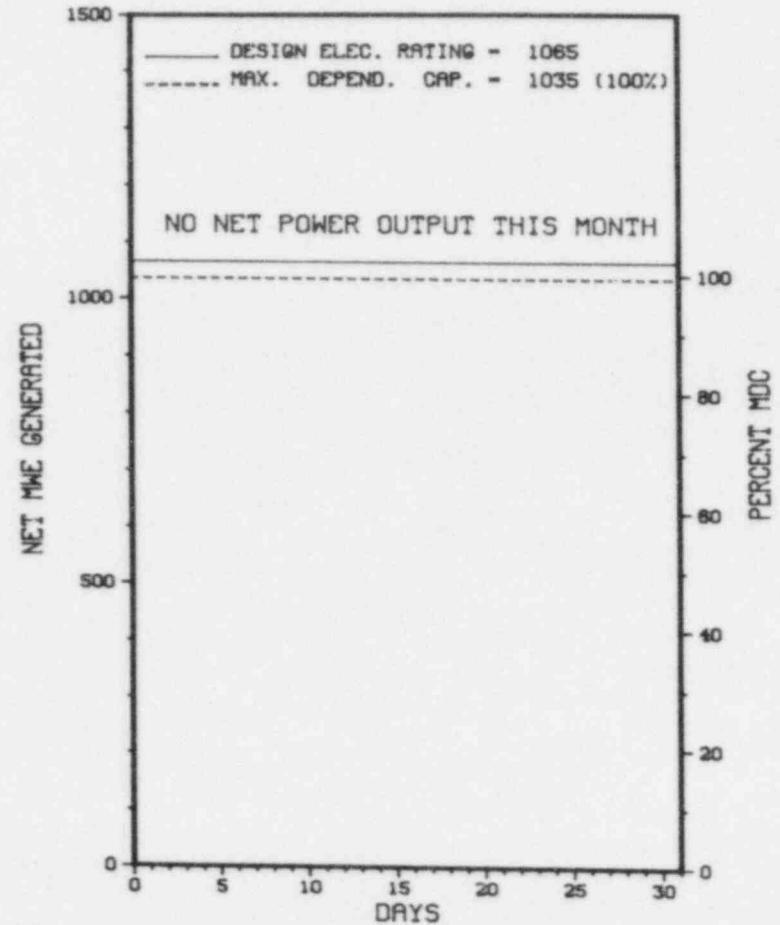
NONE

27. If Currently Shutdown Estimated Startup Date: 12/01/85

 * PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/14/85	S	745.0	C	4		RC	FUELXX	SHUTDOWN FOR SIXTH REFUELING/MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

 PEACH BOTTOM 3 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
F-Forbidden	Admin Error	1-Manual	Exhibit F & H
S-Scram	Control or Trip	2-Manual Scram	Instructions for
	Refueling	3-Auto Scram	Preparation of
	Regulatory Restriction	4-Continued	Data Entry Sheet
	Operator Training	5-Reduced Load	Licensee Event Report
	License Examination	9-Other	(LER) File (NUREG-0161)

* PEACH BOTTOM 3 *

FACILITY DATA

Report Period OCT 1985

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.....T. JOHNSON
LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-278
LICENSE & DATE ISSUANCE...DPR-56, JULY 2, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

Report Period OCT 1985

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.			

=====

1. Docket: 50-293 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: P. HAMILTON (61.) 746-7900

4. Licensed Thermal Power (MWh): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEMS 7 & 8 RE-EVALUATED.

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>745.0</u>	<u>7,296.0</u>	<u>113,040.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,695.0</u>	<u>76,599.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,550.8</u>	<u>74,106.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,436,472</u>	<u>12,188,232</u>	<u>129,620,208</u>
18. Gross Elec Ener (MWH)	<u>494,760</u>	<u>4,190,250</u>	<u>43,422,464</u>
19. Net Elec Ener (MWH)	<u>476,390</u>	<u>4,032,205</u>	<u>41,729,132</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.8</u>	<u>65.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.8</u>	<u>65.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.4</u>	<u>82.8</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>97.6</u>	<u>84.4</u>	<u>56.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.7</u>	<u>9.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>701.7</u>	<u>7,544.2</u>

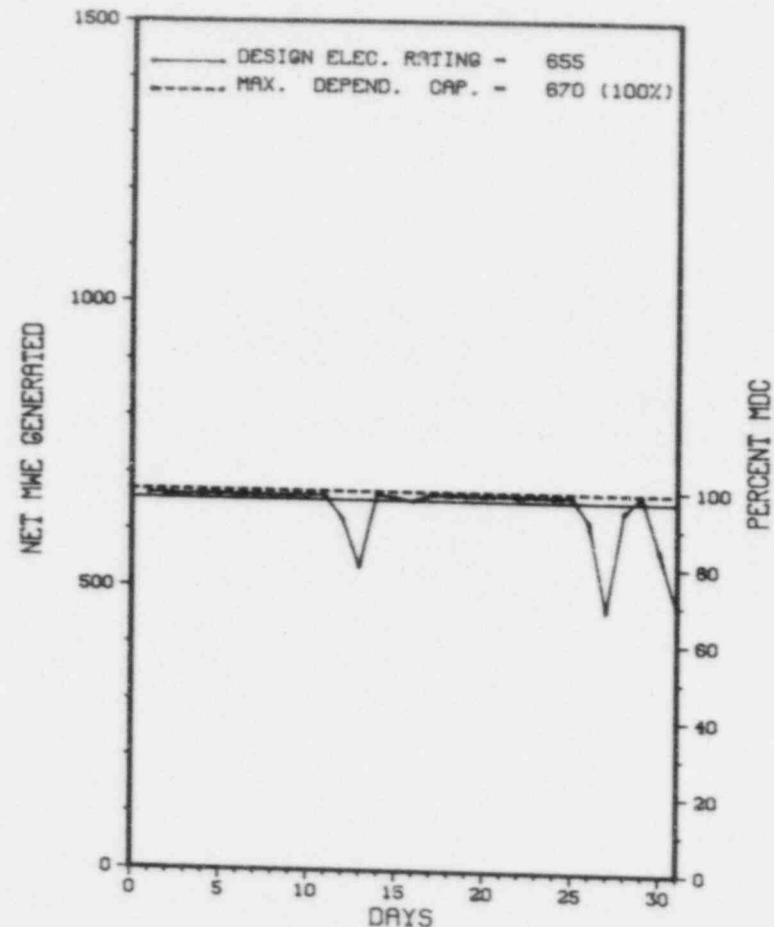
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
20	10/27/85	F	0.0	H	5		ZZ	ZZ	REDUCED POWER FOR CONDENSER BACKWASH AND "B" RFP MAINT.
21	10/30/85	F	0.0	A	5		SD	P	REDUCED POWER DUE TO "A" CONDENSATE PUMP BEING INOPERABLE.

 * SUMMARY *

 PILGRIM 1 OPERATED ROUTINELY IN OCTOBER.

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 *

FACILITY DATA

Report Period OCT 1985

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.....M. MCBRIDE
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.

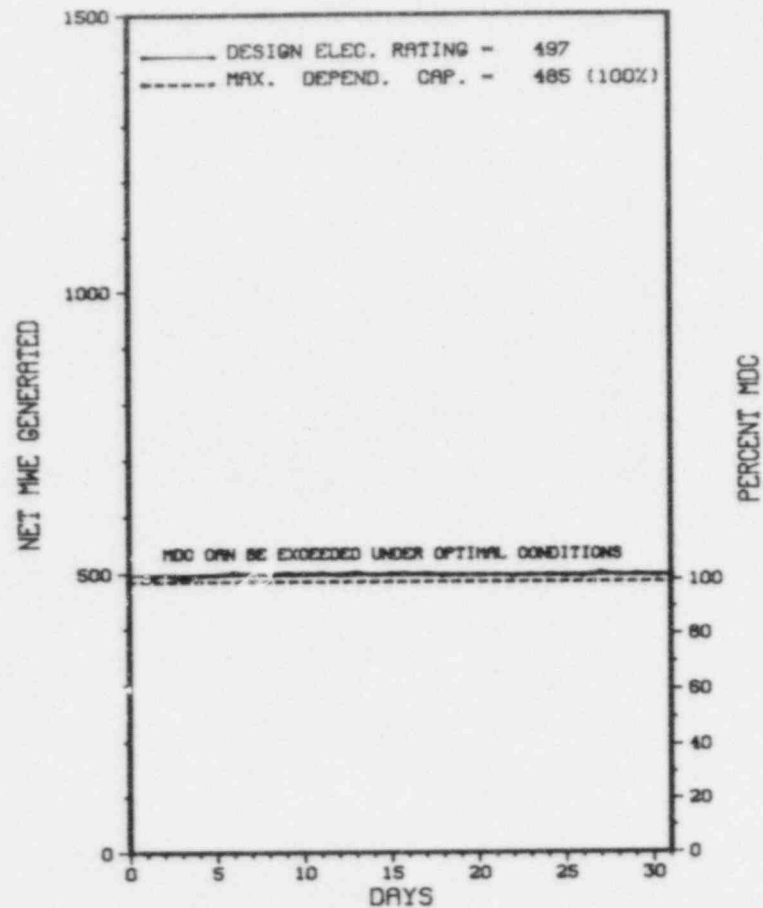
1. Docket: 50-266 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: C. W. KRAUSE (414) 277-2001
4. Licensed Thermal Power (MWT): 1518
5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524
6. Design Electrical Rating (Net MWe): 497
7. Maximum Dependable Capacity (Gross MWe): 509
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>745.0</u>	<u>7,296.0</u>	<u>131,376.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,510.4</u>	<u>106,009.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>4.7</u>	<u>634.4</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,455.3</u>	<u>103,442.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.5</u>	<u>804.0</u>
17. Gross Therm Ener (MWH)	<u>1,124,219</u>	<u>8,008,382</u>	<u>140,957,359</u>
18. Gross Elec Ener (MWH)	<u>386,510</u>	<u>2,748,270</u>	<u>47,393,510</u>
19. Net Elec Ener (MWH)	<u>370,078</u>	<u>2,627,363</u>	<u>45,104,453</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.8</u>	<u>78.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.8</u>	<u>79.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.4</u>	<u>74.2</u>	<u>70.3*</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>72.5</u>	<u>69.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.1</u>	<u>2.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>7.1</u>	<u>2,413.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING & MAINTENANCE: 04/04/86.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

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

***** POINT BEACH 1 OPERATED ROUTINELY IN OCTOBER WITH NO OUTAGES OR POWER REDUCTIONS 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
	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 1 *

FACILITY DATA

Report Period OCT 1985

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

INSPECTION STATUS

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period OCT 1985

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

* POINT BEACH 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 16, 1985

INSPECTION REPORT NO: 85020

 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
85-06	09/03/85	10/03/85	NUCLEAR INSTRUMENTATION TURBINE RUNBACK
85-07	09/11/85	10/10/85	NUCLEAR INSTRUMENTATION TURBINE RUNBACK

=====

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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): 509

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>745.0</u>	<u>7,296.0</u>	<u>116,161.0</u>
13. Hours Reactor Critical	<u>103.0</u>	<u>6,654.0</u>	<u>102,626.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>207.1</u>
15. Hrs Generator On-Line	<u>99.0</u>	<u>6,650.0</u>	<u>100,959.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>198.1</u>
17. Gross Therm Ener (MWH)	<u>141,568</u>	<u>9,997,906</u>	<u>141,750,878</u>
18. Gross Elec Ener (MWH)	<u>48,150</u>	<u>3,400,100</u>	<u>48,040,240</u>
19. Net Elec Ener (MWH)	<u>43,808</u>	<u>3,248,339</u>	<u>45,765,977</u>
20. Unit Service Factor	<u>13.3</u>	<u>91.1</u>	<u>86.9</u>
21. Unit Avail Factor	<u>13.3</u>	<u>91.1</u>	<u>87.1</u>
22. Unit Cap Factor (MDC Net)	<u>12.1</u>	<u>91.8</u>	<u>80.3*</u>
23. Unit Cap Factor (DER Net)	<u>11.8</u>	<u>89.6</u>	<u>79.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>1.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>697.2</u>

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

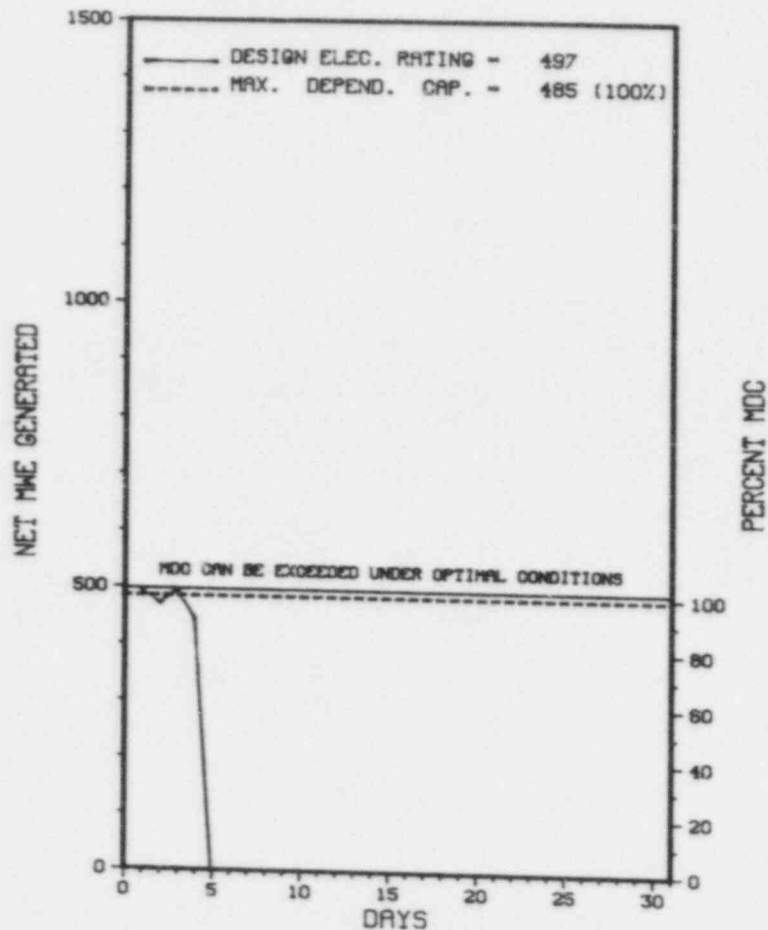
NONE

27. If Currently Shutdown Estimated Startup Date: 11/22/85

* P O I N T B E A C H 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	10/05/85	S	646.0	C	1		RC	FUELXX	COMMENCED REFUELING AND MAINTENANCE OUTAGE.

***** POINT BEACH 2 BEGAN A REFUELING/MAINTENANCE OUTAGE ON OCTOBER 5TH.
 * 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 *

FACILITY DATA

Report Period OCT 1985

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

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

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

Report Period OCT 1985

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

* POINT BEACH 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN A SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 16, 1985

INSPECTION REPORT NO: 85019

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: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>104,112.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,899.2</u>	<u>85,893.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,870.6</u>	<u>84,538.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,210,373</u>	<u>9,369,825</u>	<u>132,969,083</u>
18. Gross Elec Ener (MWH)	<u>409,390</u>	<u>3,097,980</u>	<u>43,390,080</u>
19. Net Elec Ener (MWH)	<u>385,249</u>	<u>2,905,439</u>	<u>40,656,257</u>
20. Unit Service Factor	<u>100.0</u>	<u>80.5</u>	<u>81.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>80.5</u>	<u>81.2</u>
22. Unit Cap Factor (MDC Net)	<u>102.8</u>	<u>79.2</u>	<u>77.6</u>
23. Unit Cap Factor (DER Net)	<u>97.6</u>	<u>75.1</u>	<u>73.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>7.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>43.6</u>	<u>3,390.7</u>

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

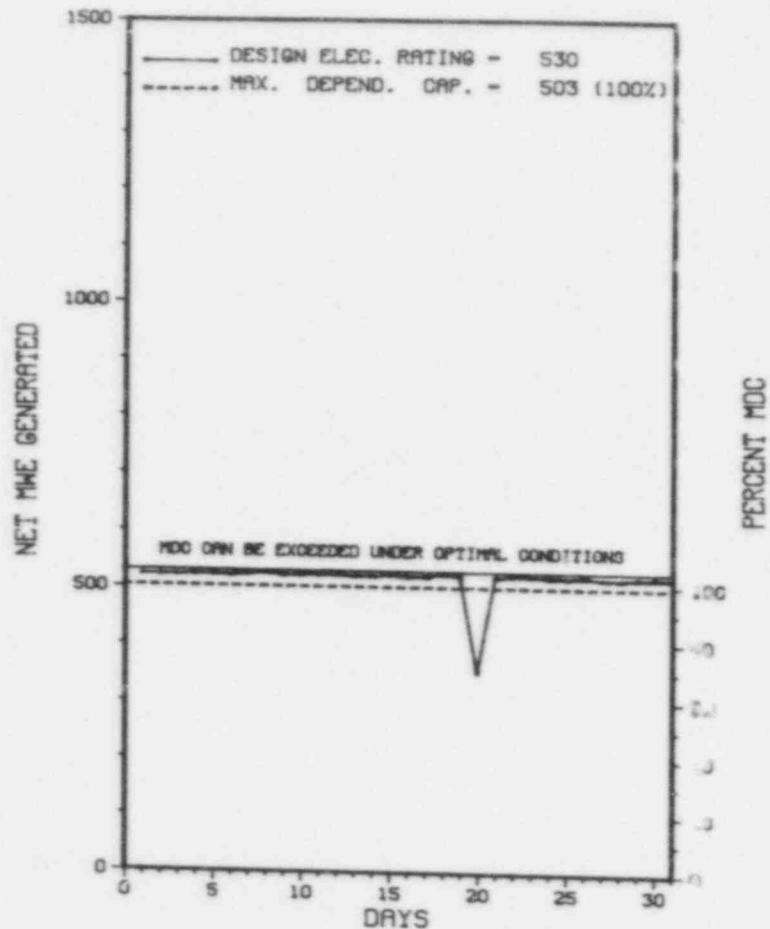
REFUELING OUTAGE IN MARCH 1986.

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

X PRAIRIE ISLAND 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	10/20/85	S	0.0	B	5			TURBIN	TURBINE VALVES TEST AND AMERTAP SCREEN CLEANING

***** PRAIRIE ISLAND 1 OPERATED ROUTINELY IN OCTOBER.
 * 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)

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period OCT 1985

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 5540.
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 55407

INSPECTION SUMMARY

INSPECTION STATUS

INSPECTION ON AUGUST 28 AND 28 (85017): ROUTINE ANNOUNCED SAFETY INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 17 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 26-27 (85018): ROUTINE, ANNOUNCED INSPECTION OF ACTIVITIES RELATED TO THE LARGE CAPACITY SMUDBERS INSTALLED ON THE STEAM GENERATORS. THE INSPECTION INVOLVED A TOTAL OF 12 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 17-19, 26, AND OCTOBER 1 (85019): ROUTINE, UNANNOUNCED INSPECTION OF GASEOUS AND LIQUID RADIOACTIVE PROGRAMS INCLUDING: EFFLUENT RELEASES, RECORDS AND REPORTS OF EFFLUENTS, GASEOUS EFFLUENT FILTRATION, AND AUDITS/APPRASALS. THE INSPECTION INVOLVED 19 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. AN IN-OFFICE REVIEW OF THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAMS WAS ALSO CONDUCTED. ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES ASSOCIATED WITH RESTORATION OF A LIQUID RADWASTE SYSTEM FOLLOWING MAINTENANCE AND WITH A SUBSEQUENT LIQUID RADWASTE RELEASE FROM THE SYSTEM).

INSPECTION ON SEPTEMBER 16-20 (85020): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING UNIT 2 REFUELING ACTIVITIES, OPERATIONAL ACTIVITIES OF UNIT 1 AND SOLID RADWASTE, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; INTERNAL AND EXTERNAL EXPOSURE CONTROL; AUDITS AND APPRAISALS; CHANGES; PLANNING AND PREPARATION; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION; SURVEYS AND MONITORING; MAINTAINING EXPOSURES ALARA; SHIPMENTS OF SOLID

INSPECTION SUMMARY

RADWASTE; OPEN ITEMS; AND IE INFORMATION NOTICES. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY NORTHERN STATES POWER COMPANY CORPORATE NUCLEAR ADMINISTRATIVE CONTROL DIRECTIVES, SECTION 10, REQUIRES CONDITIONS ADVERSE TO QUALITY SUCH AS DEFICIENCIES, DEFECTIVE MATERIALS, AND DEVIATIONS BE CORRECTED. IN THE CASE OF A SIGNIFICANT ADVERSE CONDITION, THE CAUSE OF THE CONDITION SHALL BE DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. CONTRARY TO THE ABOVE, AFTER IDENTIFYING A SEAL LEAK AND FLUID CONTAMINATION IN A STEAM GENERATOR SNUBBER (SGS), THE LICENSEE DID NOT INVESTIGATE THE CAUSE OF SEAL DETERIORATION AND FLUID CONTAMINATION. IN ADDITION, THE LICENSEE DID NOT PERFORM TESTS ON THE OTHER SGSS TO ASSURE OPERABILITY AND TO IDENTIFY THE POSSIBLE WORST CASE CONDITION (282/85015-01A AND B; 306/85012-01A AND B). 10 CFR 50.73 REQUIRES THE LICENSEE TO SUBMIT A LICENSEE EVENT REPORT (LER) WITHIN 30 DAYS AFTER DISCOVERY OF CONDITION THAT RESULTED IN THE NUCLEAR POWER PLANT BEING SERIOUSLY DEGRADED, OR THAT RESULTED IN THE NUCLEAR POWER PLANT BEING IN AN UNANALYZED CONDITION THAT SIGNIFICANTLY COMPROMISED PLANT SAFETY, OR IN A CONDITION THAT WAS OUTSIDE THE DESIGN BASIS OF THE PLANT. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO SUBMIT LERS DOCUMENTING (1) THE IDENTIFIED SEAL LEAK AND FLUID CONTAMINATION PROBLEM, (2) THAT THE SGS CONTROL VALVES WERE REPLACED TO AVOID POSSIBLE PIPING OVERSTRESS, AND (3) THAT A WESTINGHOUSE CALCULATION INDICATED A SGS LOAD SIGNIFICANTLY GREATER THAN THE ORIGINAL DESIGN VALUE (282/85015-02A, B AND C; 306/85012-02A, B, AND C). 10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY NORTHERN STATES POWER COMPANY CORPORATE NUCLEAR ADMINISTRATIVE CONTROL DIRECTIVES, SECTION 10, REQUIRES CONDITIONS ADVERSE TO QUALITY SUCH AS DEFICIENCIES, DEFECTIVE MATERIALS, AND DEVIATIONS BE CORRECTED. IN THE CASE OF A SIGNIFICANT ADVERSE CONDITION, THE CAUSE OF THE CONDITION SHALL BE DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. CONTRARY TO THE ABOVE, AFTER IDENTIFYING A SEAL LEAK AND FLUID CONTAMINATION IN A STEAM GENERATOR SNUBBER (SGS), THE LICENSEE DID NOT INVESTIGATE THE CAUSE OF SEAL DETERIORATION AND FLUID CONTAMINATION. IN ADDITION, THE LICENSEE DID NOT PERFORM TESTS ON THE OTHER SGSS TO ASSURE OPERABILITY AND TO IDENTIFY THE POSSIBLE WORST CASE CONDITION (282/85015-01A AND B; 306/85012-01A AND B). 10 CFR 50.73 REQUIRES THE LICENSEE TO SUBMIT A LICENSEE EVENT REPORT (LER) WITHIN 30 DAYS AFTER DISCOVERY OF CONDITION THAT RESULTED IN THE NUCLEAR POWER PLANT BEING SERIOUSLY DEGRADED, OR THAT RESULTED IN THE NUCLEAR POWER PLANT BEING IN AN UNANALYZED CONDITION THAT SIGNIFICANTLY COMPROMISED PLANT SAFETY, OR IN A CONDITION THAT WAS OUTSIDE THE DESIGN BASIS OF THE PLANT. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO SUBMIT LERS DOCUMENTING (1) THE IDENTIFIED SEAL LEAK AND FLUID CONTAMINATION PROBLEM, (2) THAT THE SGS CONTROL VALVES WERE REPLACED TO AVOID POSSIBLE PIPING OVERSTRESS, AND (3) THAT A WESTINGHOUSE CALCULATION INDICATED A SGS LOAD SIGNIFICANTLY GREATER THAN THE ORIGINAL DESIGN VALUE (282/85015-02A, B AND C; 306/85012-02A, B, AND C). (8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

Report Period OCT 1985

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

* PRAIRIE ISLAND 1 *

OTHER ITEMS

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: NOVEMBER 18-22, 1985

INSPECTION REPORT NO: 85023

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
85-12	09/15/85	10/15/85	REACTOR TRIP CAUSED BY TROUBLESHOOTING IN GENERATOR VOLTAGE REGULATOR
85-13	09/15/85	10/15/85	INOPERABILITY OF SEVERAL SAFEGUARDS VALVES CAUSED BY MOTOR-OPERATED VALVE FAILURE
85-16	10/16/85	10/30/85	CRACKED PIPE RESULTS IN COOLING WATER LEAKAGE IN CONTAINMENT

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1. Docket: 50-306 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
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>745.0</u>	<u>7,296.0</u>	<u>95,230.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,951.2</u>	<u>82,045.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,951.1</u>	<u>81,075.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>9,204,671</u>	<u>127,364,903</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,044,440</u>	<u>41,281,340</u>
19. Net Elec Ener (MWH)	<u>-3,992</u>	<u>2,867,954</u>	<u>38,748,793</u>
20. Unit Service Factor	<u>.0</u>	<u>81.6</u>	<u>85.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>81.6</u>	<u>85.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>78.6</u>	<u>81.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>74.2</u>	<u>76.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,315.5</u>

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

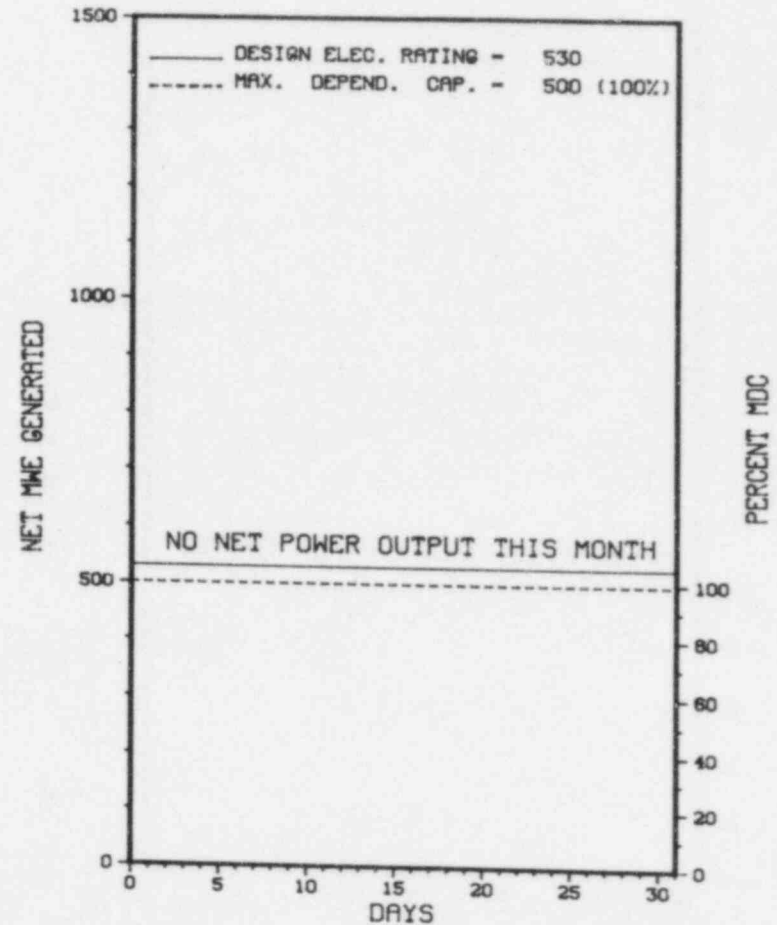
NONE

27. If Currently Shutdown Estimated Startup Date: 11/01/85

 * PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/06/85	S	745.0	C	4		RC	FUELXX	THE UNIT WAS OFF-LINE FOR THE TEN YEAR ISI AND REFUELING OUTAGE.

* SUMMARY *

PRAIRIE ISLAND 2 REMAINS SHUT DOWN FOR REFUELING AND INSPECTION.

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 OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....GOODHUE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 17, 1974
DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974
DATE COMMERCIAL OPERATE...DECEMBER 21, 1974
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER
CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401
CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-306
LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION SUMMARY

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

INSPECTION ON AUGUST 28 AND 28 (85014): ROUTINE ANNOUNCED SAFETY INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 17 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 26-27 (85015): ROUTINE, ANNOUNCED INSPECTION OF ACTIVITIES RELATED TO THE LARGE CAPACITY SNUBBERS INSTALLED ON THE STEAM GENERATORS. THE INSPECTION INVOLVED A TOTAL OF 12 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 17-19, 26, AND OCTOBER 1 (85016): ROUTINE, UNANNOUNCED INSPECTION OF GASEOUS AND LIQUID RADIOACTIVE PROGRAMS INCLUDING: EFFLUENT RELEASES, RECORDS AND REPORTS OF EFFLUENTS, GASEOUS EFFLUENT FILTRATION, AND AUDITS/APPRAISALS. THE INSPECTION INVOLVED 19 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. AN IN-OFFICE REVIEW OF THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAMS WAS ALSO CONDUCTED. ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES ASSOCIATED WITH RESTORATION OF A LIQUID RADWASTE SYSTEM FOLLOWING MAINTENANCE AND WITH A SUBSEQUENT LIQUID RADWASTE RELEASE FROM THE SYSTEM).

INSPECTION ON SEPTEMBER 16-20 (85016): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING UNIT 2 REFUELING ACTIVITIES, OPERATIONAL ACTIVITIES OF UNIT 1 AND SOLID RADWASTE, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; INTERNAL AND EXTERNAL EXPOSURE CONTROL; AUDITS AND APPRAISALS; CHANGES; PLANNING AND PREPARATION; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION; SURVEYS AND MONITORING; MAINTAINING EXPOSURES ALARA; SHIPMENTS OF SOLID

Report Period OCT 1985

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

* PRAIRIE ISLAND 2 *

INSPECTION SUMMARY

RADWASTE; OPEN ITEMS; AND IE INFORMATION NOTICES. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT COMPLETED A SCHEDULED REFUELING OUTAGE ON NOVEMBER 1, 1985 AND WAS RESTARTED.

LAST IE SITE INSPECTION DATE: NOVEMBER 18-27, 1985

INSPECTION REPORT NO: 85021

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: 50-254 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: CAROL KRONICH (309) 654-2241 X193

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>745.0</u>	<u>7,296.0</u>	<u>118,104.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>7,047.0</u>	<u>95,369.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,989.4</u>	<u>92,023.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,728,198</u>	<u>16,399,657</u>	<u>192,146,047</u>
18. Gross Elec Ener (MWH)	<u>573,813</u>	<u>5,403,733</u>	<u>62,181,296</u>
19. Net Elec Ener (MWH)	<u>548,984</u>	<u>5,173,034</u>	<u>58,128,029</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.8</u>	<u>77.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.8</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>95.8</u>	<u>92.2</u>	<u>64.0</u>
23. Unit Cap Factor (DER Net)	<u>93.4</u>	<u>89.9</u>	<u>62.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.9</u>	<u>5.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>281.3</u>	<u>3,137.1</u>

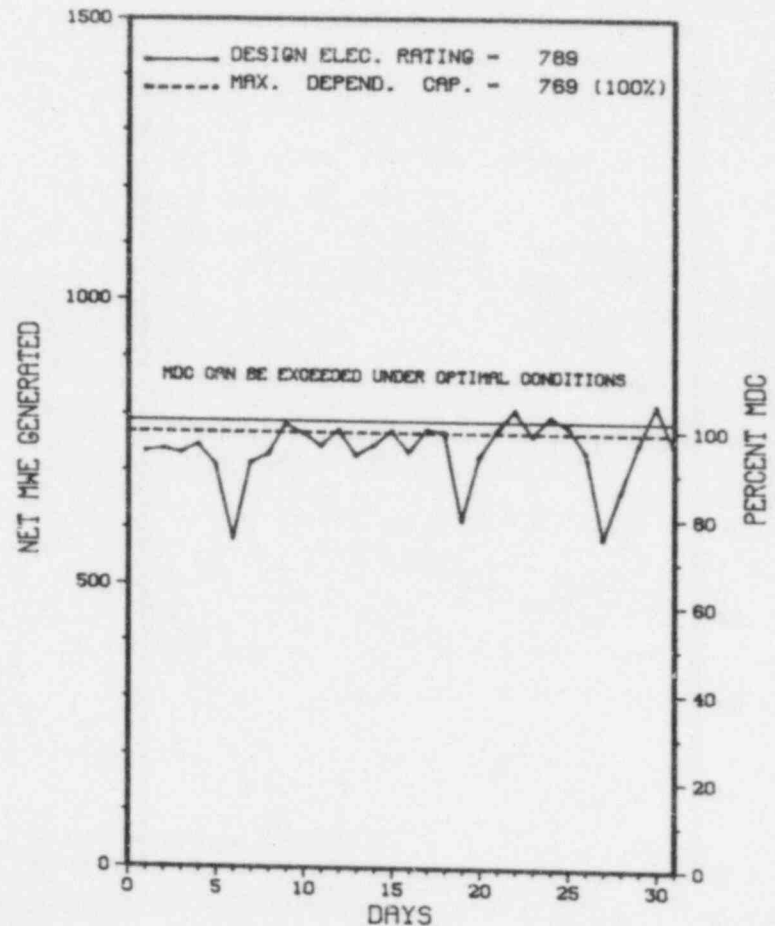
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* QUAD CITIES 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * QUAD CITIES 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-56	10/01/85	S	0.0	B			HA	TURBIN	REDUCED LOAD TO 700 MWE FOR TURBINE SURVEILLANCES.
85-57	10/05/85	S	0.0	H	5		RC	CONROD	REDUCED LOAD TO 500 MWE FOR A CONTROL ROD PATTERN ADJUSTMENT.
85-58	10/19/85	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO 690 MWE FOR TURBINE SURVEILLANCES.
85-59	10/26/85	F	0.0	H	5		CB	PUMPXX	LOAD REDUCED DUE TO 'A' RECIRCULATION PUMP TRIP.

XXXXXXXXXX QUAD CITIES 1 OPERATED ROUTINELY IN OCTOBER.
 * SUMMARY *
 XXXXXXXXXXXX

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 OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....ROCK ISLAND
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 18, 1971
DATE ELEC ENER 1ST GENER...APRIL 12, 1972
DATE COMMERCIAL OPERATE...FEBRUARY 18, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER....R. BEVAN
DOCKET NUMBER.....50-254
LICENSE & DATE ISSUANCE...DPR-29, DECEMBER 14, 1972 *
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 1 THROUGH SEPTEMBER 30 (85024): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF ACTIONS ON PREVIOUS INSPECTIONS FINDINGS; OPERATION; MAINTENANCE; SURVEILLANCE; PROCEDURES; REVIEW OF ROUTINE AND SPECIAL REPORTS; IER REVIEW; TMI ACTION ITEMS; BULLETIN; REFUELING ACTIVITIES; INDEPENDENT; AND EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED A TOTAL OF 354 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, INCLUDING 50 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE HAS CONTINUED TO MAINTAIN A HIGH LEVEL OF PERFORMANCE.

INSPECTION ON SEPTEMBER 16-19 (85026): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL - VEHICLES; ALARM STATIONS; COMMUNICATIONS; SECURITY FORCE TRAINING AND QUALIFICATION PLAN; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION; AND LICENSEE'S ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 23 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAYSHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

Report Period OCT 1985

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

* QUAD CITIES 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

J. SIRVOY REPLACED T. KOVACH AS RAD. CHEM. SUPERVISOR. P. BEHRENS BECAME THE HEAD CHEMIST.

PLANT STATUS:

OPERATING NORMALLY

LAST IE SITE INSPECTION DATE: OCTOBER 1-3, 1985

INSPECTION REPORT NO: 05028

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

```

=====
NUMBER    DATE OF    DATE OF    SUBJECT
  EVENT    REPORT
-----
85-16    09/05/85    09/24/85    REFUEL FLOOR MONITOR SPIKE AND START OF STANDBY GAS TREATMENT
=====

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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: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: CAROL KRONICH (309) 654-2241 X193

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

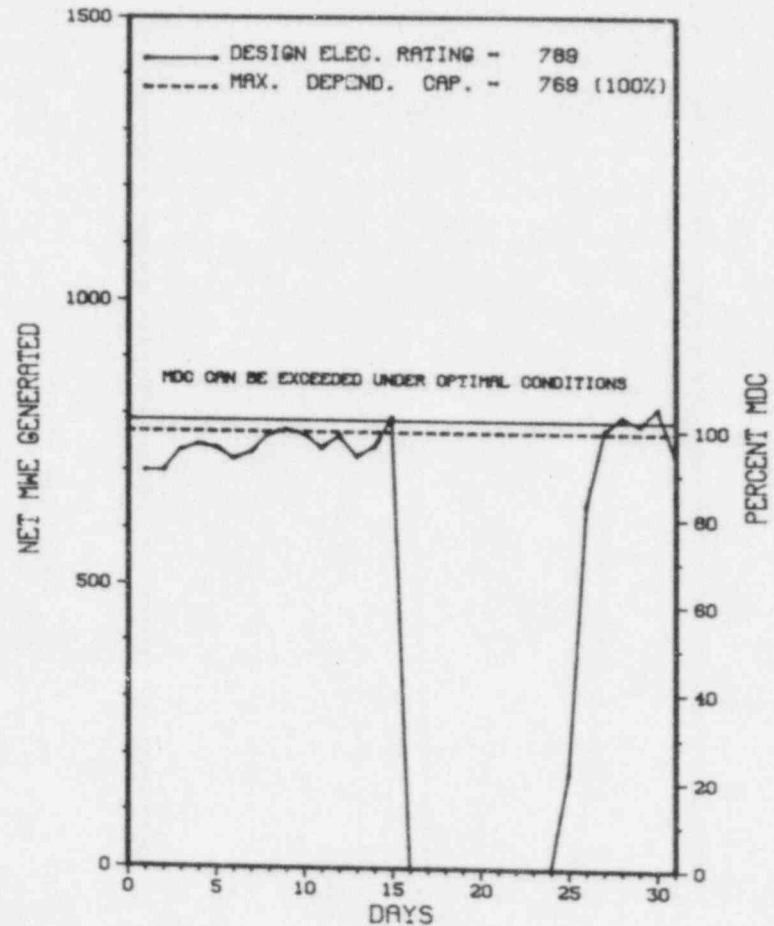
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>117,214.0</u>
13. Hours Reactor Critical	<u>534.1</u>	<u>4,974.0</u>	<u>89,880.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>521.2</u>	<u>4,889.1</u>	<u>86,938.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,215,533</u>	<u>11,346,401</u>	<u>182,865,468</u>
18. Gross Elec Ener (MWH)	<u>402,294</u>	<u>3,696,190</u>	<u>58,349,579</u>
19. Net Elec Ener (MWH)	<u>384,441</u>	<u>3,534,666</u>	<u>54,853,465</u>
20. Unit Service Factor	<u>70.0</u>	<u>67.0</u>	<u>74.2</u>
21. Unit Avail Factor	<u>70.0</u>	<u>67.0</u>	<u>74.8</u>
22. Unit Cap Factor (MDC Net)	<u>67.1</u>	<u>63.0</u>	<u>60.9</u>
23. Unit Cap Factor (DER Net)	<u>65.4</u>	<u>61.4</u>	<u>59.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>8.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>191.5</u>	<u>3,818.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-44	10/02/85	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO 700 MWE FOR TURBINE SURVEILLANCES.
85-45	10/03/85	F	0.0	D	5		ZZ	ZZZZZZ	COMMENCED NORMAL SHUTDOWN DUE TO GSEP UNUSUAL EVENT. THE 2B CORE SPRAY AND 2B RHR ROOM COOLERS WERE INOPERABLE (SHUTDOWN TERMINATED 3.2 HOURS).
85-46	10/15/85	S	223.8	H	3		IA	VALVEX	REACTOR SCRAM DUE TO A VALVING ERROR ON LOW WATER LEVEL SURVEILLANCE (REMAINED SHUTDOWN FOR A SCHEDULED MAINTENANCE OUTAGE).

 * SUMMARY *

 QUAD CITIES 2 WAS SHUT DOWN ON OCTOBER 15TH BECAUSE OF A VALVING ERROR AND REMAINS SHUT DOWN 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)

* QUAD CITIES 2 *

FACILITY DATA

Report Period OCT 1985

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 ENG² & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-265
LICENSE & DATE ISSUANCE...DPR-30, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 1 THROUGH SEPTEMBER 30 (85027): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF ACTIONS ON PREVIOUS INSPECTIONS FINDINGS; OPERATION; MAINTENANCE; SURVEILLANCE; PROCEDURES; REVIEW OF ROUTINE AND SPECIAL REPORTS; LER REVIEW; TMI ACTION ITEMS; BULLETIN; REFUELING ACTIVITIES; INDEPENDENT; AND EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED A TOTAL OF 354 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, INCLUDING 50 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE HAS CONTINUED TO MAINTAIN A HIGH LEVEL OF PERFORMANCE.

INSPECTION ON SEPTEMBER 16-19 (85029): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL - VEHICLES; ALARM STATIONS; COMMUNICATIONS; SECURITY FORCE TRAINING AND QUALIFICATION PLAN; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION; AND LICENSEE'S ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 23 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAYSHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-312 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>92,401.0</u>
13. Hours Reactor Critical	<u>25.5</u>	<u>1,793.4</u>	<u>51,483.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>495.5</u>	<u>10,647.7</u>
15. Hrs Generator On-Line	<u>25.5</u>	<u>1,672.8</u>	<u>49,336.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>32,243</u>	<u>4,131,104</u>	<u>122,104,621</u>
18. Gross Elec Ener (MWH)	<u>8,318</u>	<u>1,383,779</u>	<u>40,820,922</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,289,988</u>	<u>38,431,863</u>
20. Unit Service Factor	<u>3.4</u>	<u>22.9</u>	<u>53.4</u>
21. Unit Avail Factor	<u>3.4</u>	<u>22.9</u>	<u>54.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>20.3</u>	<u>47.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>19.3</u>	<u>45.3</u>
24. Unit Forced Outage Rate	<u>96.6</u>	<u>34.4</u>	<u>29.9</u>
25. Forced Outage Hours	<u>719.5</u>	<u>876.3</u>	<u>20,949.0</u>

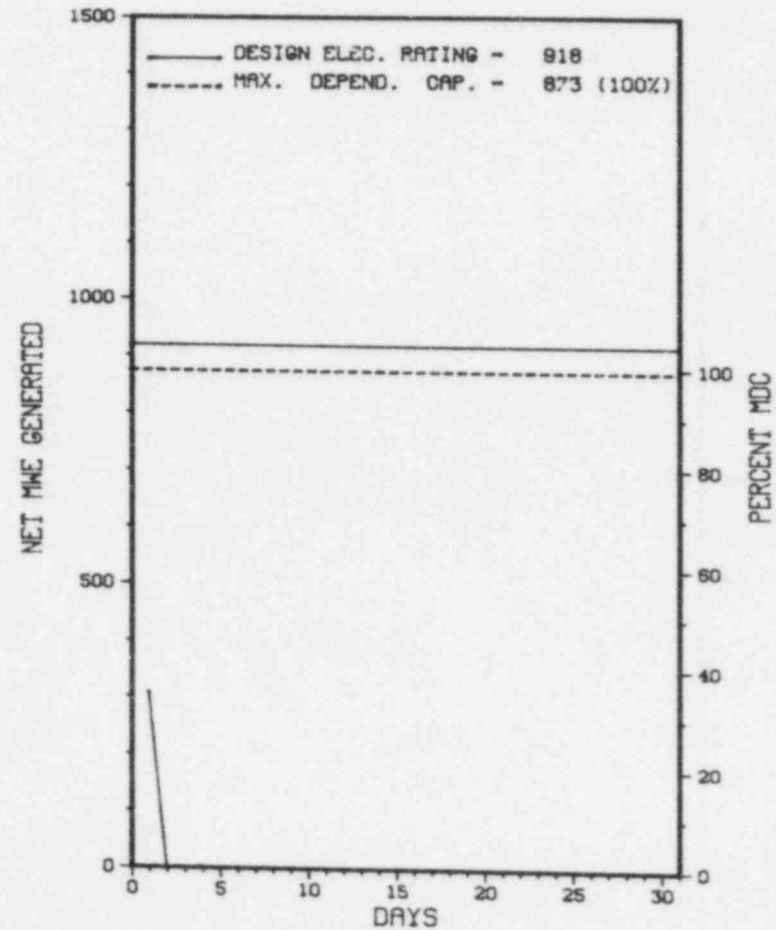
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/02/85

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	10/02/85	F	719.5	H	1	85-19	ZZ	ZZZZZZ	REACTOR TRIP ON HIGH PRESSURE. TRIP PRECEDED BY "A" MFP TRIP AND A LOW CONDENSER VACUUM. AN "ACTION ITEMS" LIST WITH A TIMETABLE FOR COMPLETION WAS SUBMITTED TO THE NRC ON 10/18/85.

 * SUMMARY *

 RANCHO SECO 1 INCURRED 1 OUTAGE IN OCTOBER 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)

* RANCHO SECO 1 *

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

Report Period OCT 1985

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

INSPECTION SUMMARY

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

- + INSPECTION ON MAY 20-24, 1985 (REPORT NO. 50-312/85-14) HEADQUARTERS INSPECTION - REPORT TO BE SUBMITTED BY HEADQUARTERS.
- + INSPECTION ON AUGUST 1 - SEPTEMBER 27, 1985 (REPORT NO. 50-312/85-25) ARFAS INSPECTED: THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS AND ONE REGIONALLY BASED INSPECTOR INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, REACTOR STARTUP, ESSENTIAL SAFETY FEATURE SYSTEM WALKDOWN, AND SURVEILLANCE. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 246 INSPECTOR-HOURS ONSITE BY TWO RESIDENT NRC INSPECTORS AND ONE REGIONALLY BASED NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON AUGUST 25-30, 1985 (REPORT NO. 50-312/85-26) AREAS INSPECTED: ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE AND ASSOCIATED CRITIQUE; FOLLOWUP ON CORRECTIVE ACTIONS RESULTING FROM PREVIOUS EXERCISES/DRILLS; AND FOLLOWUP ON SHIFT SUPERVISOR TRAINING. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 173 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONTRACTOR TEAM MEMBERS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON SEPTEMBER 18 - OCTOBER 17, 1985 (REPORT NO. 50-312/85-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 23 - OCTOBER 21, 1985 (REPORT NO. 50-312/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 25 - OCTOBER 24, 1985 (REPORT NO. 50-312/85-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 28 - NOVEMBER 4, 1985 (REPORT NO. 50-312/85-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 24 - NOVEMBER 22, 1985 (REPORT NO. 50-312/85-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

A. 10 CFR 50, APP. B, CRIT. III STATES "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS, AS DEFINED IN PARAGRAPH 50.2 AND AS SPECIFIED IN THE LICENSE APPLICATION, FOR THOSE STRUCTURES, SYSTEMS, AND COMPONENTS TO WHICH THE APPENDIX APPLIES ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES AND INSTRUCTIONS". 10 CFR 50, APP. B, CRIT. V REQUIRES THAT "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS". CONTRARY TO REQUIREMENT, IN 1974, DESIGN BASIS FOR QUALITY CLASS I, SEISMIC CLASS I PORTION OF NITROGEN SUPPLY AND REACTOR COOLANT VENT SYSTEMS WHICH CONNECT TO A 1" REACTOR COOLANT SYSTEM VENT LOCATED ON HIGH POINT OF "B" HOT LEG WAS NOT CORRECTLY TRANSLATED INTO DESIGN SPECIFICATIONS AND DRAWINGS IN THAT DRAWINGS AND DESIGN SPECIFICATIONS PROVIDED INADEQUATE SUPPORT FOR NITROGEN SUPPLY AND VENT HEADER SYSTEM. ON 10/07/81, AFTER REANALYSIS OF DESIGN BASIS OF SYSTEM, BECHTEL POWER CORPORATION ADVISED LICENSEE THAT A SPOOL PIECE SHOULD BE PUT IN DURING PLANT OPERATIONS AND THAT ADDITIONAL SUPPORTS SHOULD BE ADDED TO "B" VENT AND PURGE LINE SYSTEM. WHEN LICENSEE WENT TO MAKE MODIFICATIONS TO SYSTEM IN '83, ALTHOUGH DRAWINGS REQUIRED INSTALLATION OF SPOOL PIECE, THE ECN FOR MODIFICATIONS DID NOT REQUIRE ITS INSTALLATION AND THE PIECE WAS NOT INSTALLED. THESE DEFICIENCIES RESULTED IN A 17 GPM NON-ISOLABLE PRIMARY COOLANT LEAK ON 06/23/85. B. 10 CFR 50, APP. B, CRIT. V REQUIRES THAT "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS..." 1. CONTRARY TO REQUIREMENT, DESIGN DRAWINGS REFERENCED IN ECN-A-2934 FOR CONSTRUCTION OF REACTOR COOLANT SYSTEMS 3/4" HIGH POINT VENT LINES ON "A" & "B" LOOPS SPECIFIED THAT SEISMIC SUPPORTS SHALL BE IN PLACE BETWEEN TWO SPECIFIC VALVES USED FOR SYSTEM ISOLATION. HOWEVER, THESE SUPPORTS WERE NOT INSTALLED IAW ECN-A-2934 AS REQUIRED, AS WAS DISCOVERED IN A JUNE '85 POST-I&E BULLETIN 79-14 WALKDOWN OF THE SYSTEM, WHICH RESULTED IN CODE ALLOWABLE LIMITS FOR SEISMIC DESIGN BASIS EVENT BEING EXCEEDED. CONTRARY TO REQUIREMENT, AS OF 07/19/85, ABOUT 223 OTHER SAFETY-RELATED SUPPORTS WERE NOT INSTALLED IAW INSTRUCTIONS, PROCEDURES OR DRAWINGS. (8501 3)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

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1. Docket: 50-261 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: ANITA 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>745.0</u>	<u>7,296.0</u>	<u>128,526.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,395.8</u>	<u>90,592.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>873.4</u>	<u>2,655.6</u>
15. Hrs Generator On-Line	<u>730.5</u>	<u>6,238.0</u>	<u>88,303.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>1,534,935</u>	<u>13,492,473</u>	<u>176,367,653</u>
18. Gross Elec Ener (MWH)	<u>513,842</u>	<u>4,434,099</u>	<u>56,778,975</u>
19. Net Elec Ener (MWH)	<u>488,783</u>	<u>4,209,085</u>	<u>53,618,746</u>
20. Unit Service Factor	<u>98.1</u>	<u>85.5</u>	<u>68.7</u>
21. Unit Avail Factor	<u>98.1</u>	<u>85.5</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>86.8</u>	<u>62.7</u>
23. Unit Cap Factor (DER Net)	<u>93.7</u>	<u>82.4</u>	<u>59.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.5</u>	<u>14.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>811.5</u>	<u>9,045.0</u>

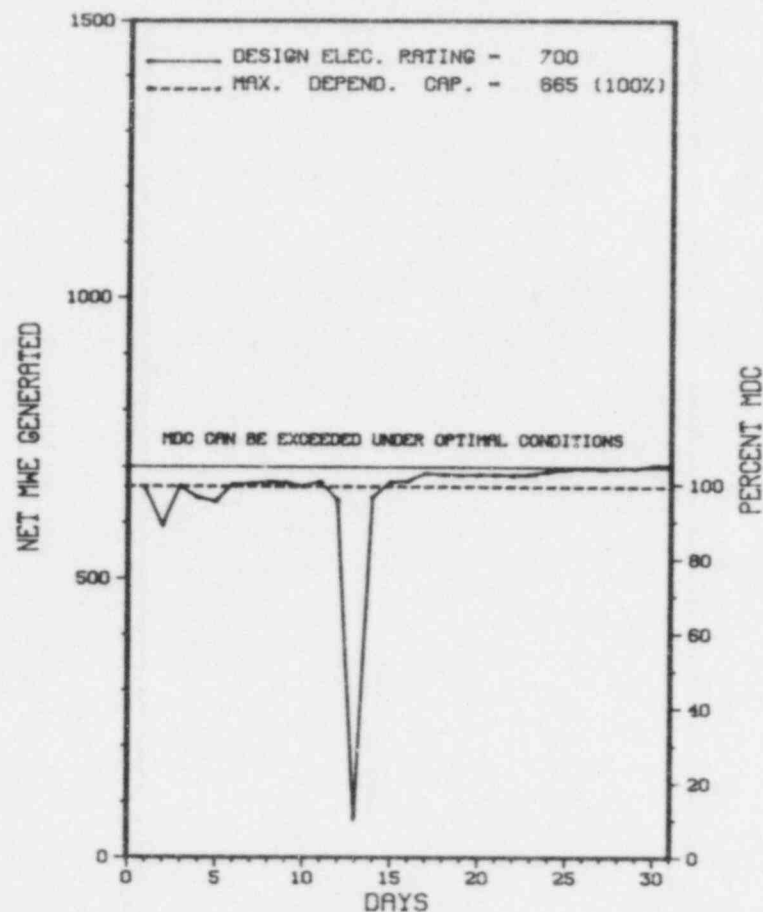
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: FEBRUARY 1, 1986, 49 DAYS

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

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1001	10/02/85	F	0.0	H	5		IA	INSTRU	WHILE PERFORMING OPERATION SURVEILLANCE TEST 005, A RUNBACK OCCURRED. NO CAUSE COULD BE FOUND.
1002	10/04/85	S	0.0	B	5		ZZ	TURBIN	UNIT LOAD REDUCED TO PERFORM TURBINE VALVE TEST. UPON COMPLETION, UNIT RETURNED TO FULL LOAD.
1003	10/12/85	S	0.0	B	5		CH	HTEXCH	UNIT RAMPING DOWN TO HOT SHUTDOWN FOR REPAIR OF LEAKING S/G HAND HOLD COVER.
1004	10/13/85	S	14.5	B	1		CH	HTEXCH	UNIT SHUT DOWN TO HOT SHUTDOWN TO REPAIR LEAKING STEAM GENERATOR HAND HOLE COVER SEAL. SEAL WAS REPAIRED, AND UNIT STARTUP COMMENCED.

***** ROBINSON 2 OPERATED ROUTINELY IN OCTOBER.
 * 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)

* ROBINSON 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....DARLINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970
DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970
DATE COMMERCIAL OPERATE...MARCH 7, 1971
CONDENSER COOLING METHOD...RECIRCULATION
CONDENSER COOLING WATER...ROBINSON IMPOUNDMENT
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. KRUG
LICENSING PROJ MANAGER.....G. REQUA
DOCKET NUMBER.....50-261
LICENSE & DATE ISSUANCE...DPR-23, SEPTEMBER 23, 1970
PUBLIC DOCUMENT ROOM.....HARTSVILLE MEMORIAL LIBRARY
220 N. FIFTH ST.
HARTSVILLE, SOUTH CAROLINA 29550

INSPECTION SUMMARY

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

+ INSPECTION SEPTEMBER 11 - OCTOBER 10 (85-28): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 244 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVILW, IE BULLETIN AND IE NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, INDEPENDENT INSPECTION AND ENFORCEMENT ACTION FOLLOWUP. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 9-13 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 27 INSPECTOR-HOURS ONSITE IN THE AREA OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 16-20 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 37 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE INSPECTION OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-272 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: PELL WHITE (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

* SALEM 1 *

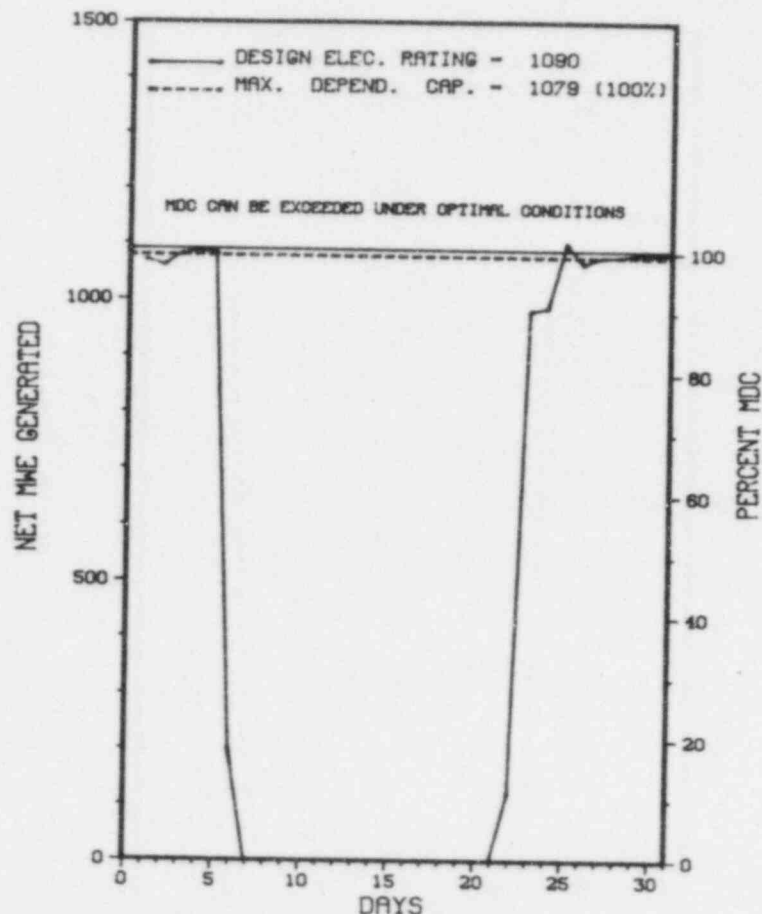
AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>73,105.0</u>
13. Hours Reactor Critical	<u>364.3</u>	<u>6,897.9</u>	<u>42,721.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>351.5</u>	<u>6,882.2</u>	<u>41,040.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,142,894</u>	<u>22,840,907</u>	<u>125,611,110</u>
18. Gross Elec Ener (MWH)	<u>382,370</u>	<u>7,740,120</u>	<u>41,653,968</u>
19. Net Elec Ener (MWH)	<u>360,581</u>	<u>7,431,139</u>	<u>39,529,621</u>
20. Unit Service Factor	<u>47.2</u>	<u>94.3</u>	<u>56.1</u>
21. Unit Avail Factor	<u>47.2</u>	<u>94.3</u>	<u>56.1</u>
22. Unit Cap Factor (MDC Net)	<u>44.9</u>	<u>94.4</u>	<u>50.1</u>
23. Unit Cap Factor (DER Net)	<u>44.4</u>	<u>93.4</u>	<u>49.6</u>
24. Unit Forced Outage Rate	<u>52.8</u>	<u>5.7</u>	<u>30.7</u>
25. Forced Outage Hours	<u>393.5</u>	<u>413.8</u>	<u>18,488.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, MARCH 15, 1986, APPROX, 60 DAYS

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



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-606	10/06/85	F	27.1	A	3		HA	TURBIN	TURBINE TRIP DEVICES.
85-608	10/07/85	F	228.0	A	3		CC	HTEXCH	NUCLEAR STEAM GENERATOR FLANGES/MANWAYS/FITTINGS.
85-610	10/16/85	F	138.4	A	3		CD	VALVEX	MAIN STEAM ISOLATION VALVES.

 * SUMMARY *

 SALEM 1 EXPERIENCED 3 SHUTDOWNS IN OCTOBER AS OUTLINED 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)

* SALEM 1 *

FACILITY DATA

Report Period OCT 1985

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

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.

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

1. Docket: 50-311 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: PELL WHITE (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

	MOH: #	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>35,521.0</u>
13. Hours Reactor Critical	<u>711.3</u>	<u>4,273.3</u>	<u>19,367.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>686.0</u>	<u>3,966.9</u>	<u>18,579.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,306,441</u>	<u>12,752,514</u>	<u>56,479,550</u>
18. Gross Elec Ener (MWH)	<u>766,969</u>	<u>4,208,120</u>	<u>18,485,770</u>
19. Net Elec Ener (MWH)	<u>734,142</u>	<u>3,975,913</u>	<u>17,493,760</u>
20. Unit Service Factor	<u>92.1</u>	<u>54.4</u>	<u>52.3</u>
21. Unit Avail Factor	<u>92.1</u>	<u>54.4</u>	<u>52.3</u>
22. Unit Cap Factor (MDC Net)	<u>89.1</u>	<u>49.3</u>	<u>44.5</u>
23. Unit Cap Factor (DER Net)	<u>88.4</u>	<u>48.9</u>	<u>44.2</u>
24. Unit Forced Outage Rate	<u>7.9</u>	<u>43.2</u>	<u>40.8</u>
25. Forced Outage Hours	<u>59.0</u>	<u>3,017.1</u>	<u>12,789.4</u>

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

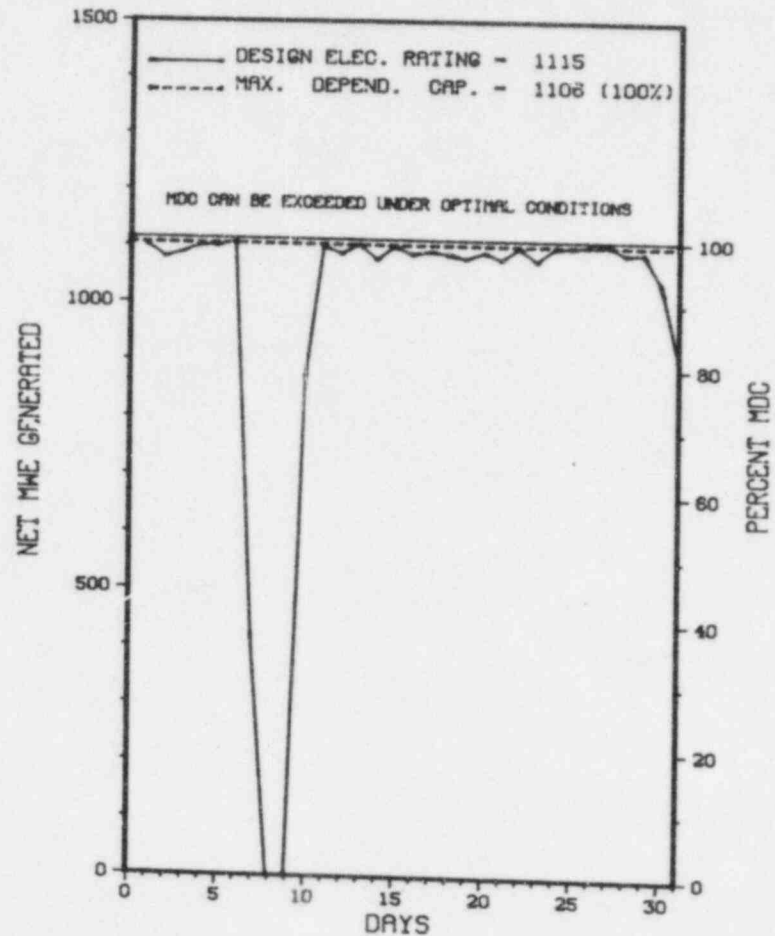
NONE

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

* SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-248	10/30/85	F	59.0	A	3		CB	PUMPXX	NUCLEAR REACTOR COOLANT/RECIRCULATING PUMPS.
85-264	10/30/85	F	0.0	A	5		PC	PIPEXX	VALVES AND PIPING.
85-266	10/30/85	F	0.0	A	5		PC	PIPEXX	VALVES AND PIPING.
85-268	10/30/85	F	0.0	A	5		PC	PIPEXX	VALVES AND PIPING.
85-270	10/30/85	F	0.0	A	5		PC	PIPEXX	VALVES AND PIPING.
85-272	10/30/85	F	0.0	A	5		PC	PIPEXX	VALVES AND PIPING.
85-274	10/31/85	F	0.0	A	5		PC	PIPEXX	VALVES AND PIPING.

 * SUMMARY *

 SALEM 2 INCURRED 1 SHUTDOWN AND 6 POWER REDUCTIONS IN OCTOBER.

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 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

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

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: E. R. SIACOR (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>745.0</u>	<u>7,296.0</u>	<u>161,120.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,299.0</u>	<u>95,628.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,246.1</u>	<u>91,890.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>925,388</u>	<u>7,524,432</u>	<u>116,712,646</u>
18. Gross Elec Ener (MWH)	<u>298,800</u>	<u>2,424,600</u>	<u>39,635,234</u>
19. Net Elec Ener (MWH)	<u>281,368</u>	<u>2,276,833</u>	<u>37,480,148</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.6</u>	<u>57.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.6</u>	<u>57.0</u>
22. Unit Cap Factor (MDC Net)	<u>86.6</u>	<u>71.6</u>	<u>53.2</u>
23. Unit Cap Factor (DER Net)	<u>86.6</u>	<u>71.6</u>	<u>53.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.7</u>	<u>21.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>752.2</u>	<u>11,930.5</u>

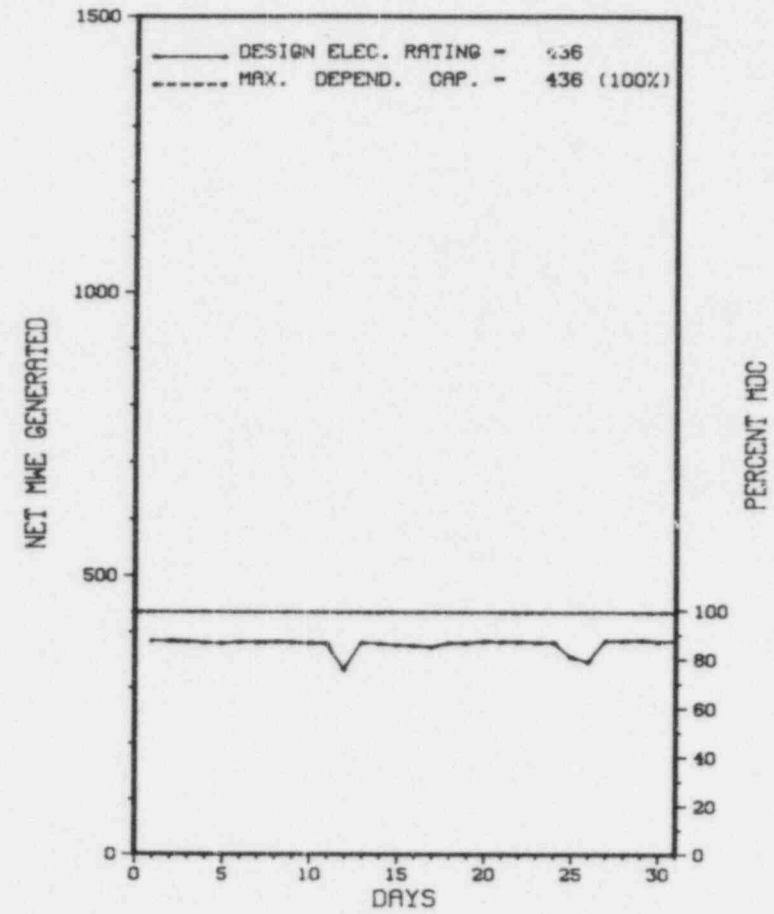
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

REFUELING: NOVEMBER 1985, 150-DAYS

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

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SAN ONOFRE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

X SAN ONOFRE 1 X

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

* SUMMARY *

SAN ONOFRE 1 OPERATED ROUTINELY IN OCTOBER WITH NO OUTAGES OR POWER REDUCTIONS REPORTED.

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

* SAN ONOFRE 1 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 14, 1967
DATE ELEC ENER 1ST GENER...JULY 16, 1967
DATE COMMERCIAL OPERATE...JANUARY 1, 1968
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 23-27, 1985 (REPORT NO. 50-206/85-25) REPORT CANCELLED.
- + INSPECTION ON JULY 29 - SEPTEMBER 26, 1985 (REPORT NO. 50-206/85-28) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, ENGINEERED SAFETY FEATURE WALKDOWN, INDEPENDENT INSPECTION, LICENSEE EVENTS REPORT REVIEW, ALLEGATION FOLLOWUP AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 181 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON OCTOBER 7 - NOVEMBER 1, 1985 (REPORT NO. 50-206/85-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 23-27, 1985 (REPORT NO. 50-206/85-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 16-21, 1985 (REPORT NO. 50-206/85-31) AREAS INSPECTED: UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM AND OF THE LICENSEE'S ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period OCT 1985

REPORTS FROM LICENSEE

* SAN ONOFRE 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-11-L0	- -	- -	MAIN FEEDWATER PUMP/SAFETY INJECTION PUMP FAILURE
85-12-L0	- -	- -	LOSS OF MOTOR CONTROL CENTER #1
85-13-L0	- -	- -	CONTROL ROD POSITION INDICATION SYSTEM

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1. Docket: 50-361 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: R. J. MAISEL (714) 492-7700 X86657

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>745.0</u>	<u>7,296.0</u>	<u>19,585.0</u>
13. Hours Reactor Critical	<u>726.8</u>	<u>4,406.9</u>	<u>12,292.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>716.5</u>	<u>4,302.1</u>	<u>12,034.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,360,781</u>	<u>13,784,849</u>	<u>38,863,132</u>
18. Gross Elec Ener (MWH)	<u>805,094</u>	<u>4,604,607</u>	<u>13,094,482</u>
19. Net Elec Ener (MWH)	<u>767,314</u>	<u>4,332,751</u>	<u>12,375,687</u>
20. Unit Service Factor	<u>96.2</u>	<u>59.0</u>	<u>61.4</u>
21. Unit Avail Factor	<u>96.2</u>	<u>59.0</u>	<u>61.4</u>
22. Unit Cap Factor (MDC Net)	<u>96.3</u>	<u>55.5</u>	<u>59.1</u>
23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>55.5</u>	<u>59.1</u>
24. Unit Forced Outage Rate	<u>3.8</u>	<u>8.6</u>	<u>5.6</u>
25. Forced Outage Hours	<u>28.5</u>	<u>404.3</u>	<u>713.9</u>

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

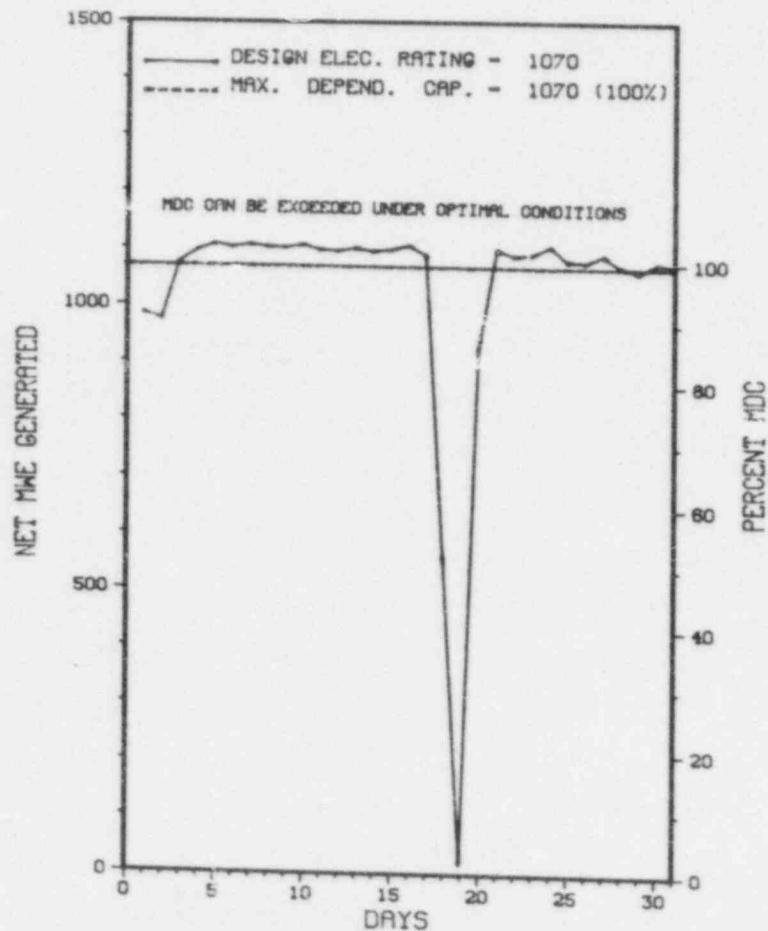
REFUELING OUTAGE: FEBRUARY 15, 1986, 90 DAYS

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

* SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	10/18/85	F	16.9	A	3	2-85-050	SB	TK	TURBINE/REACTOR TRIP OCCURRED DUE TO SPURIOUS HIGH LEVEL INDICATION ON MOISTURE SEPARATOR REHEATER DRAIN TANK CAUSED BY A FAILURE OF A WELD ON THE INSTRUMENTATION BRIDLE.
20	10/19/85	F	11.6	H	3	2-85-051			REACTOR TRIP OCCURRED DUE TO A XENON OSCILLATION WHICH CAUSED THE AXIAL SHAPE INDEX (ASI) TO EXCEED ITS ALLOWABLE VALUE WHICH CAUSED A CORE PROTECTION CALCULATOR (CFC) AUXILIARY TRIP.

 * SUMMARY *

 SAN ONOFRE 2 INCURRED 2 TRIPS IN OCTOBER 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 (NUREC 0161)

 * SAN ONOFRE 2 *

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

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION STATE.....CALIFORNIA
 COUNTY.....SAN DIEGO
 DIST AND DIRECTION FROM NEAREST POPULATION CTR...5 MI S OF SAN CLEMENTE, CA

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.....R. HUEY
 LICENSING PROJ MANAGER.....H. ROOD
 DOCKET NUMBER.....50-361

LICENSE & DATE ISSUANCE....NPF-10, SEPTEMBER 7, 1982

PUBLIC DOCUMENT ROOM.....SAN CLEMENTE LIBRARY
 262 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 JULY 29 - SEPTEMBER 26, 1985 (REPORT NO. 50-361/85-27) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, ENGINEERED SAFETY FEATURE WALKDOWN, INDEPENDENT INSPECTION, LICENSEE EVENTS REPORT REVIEW, ALLEGATION FOLLOWUP AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 245 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 7 - NOVEMBER 1, 1985 (REPORT NO. 50-361/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 23-27, 1985 (REPORT NO. 50-361/85-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 16-21, 1985 (REPORT NO. 50-361/85-30) AREAS INSPECTED: UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM AND OF THE LICENSEE'S ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 21 - OCTOBER 31, 1985 (REPORT NO. 50-361/85-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period OCT 1985

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

* SAN ONOFRE 2 *

INSPECTION SUMMARY

+ INSPECTION ON SEPTEMBER 19 - OCTOBER 11, 1985 (REPORT NO. 50-361/85-32) AREAS INSPECTED: ACTIVITIES RELATED TO THE UNIT 1 AFW PUMP INOPERABILITY EVENT AND SAFETY-RELATED COMPONENTS WERE EXAMINED IN UNIT 2. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 75 INSPECTOR-HOURS ONSITE BY FIVE NRC PERSONNEL.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT CONTINUED FULL POWER OPERATION WITH A TEMPORARY REDUCTION IN POWER TO INVESTIGATE IN-LEAKAGE IN THE CONDENSER. TWO REACTOR TRIPS WERE EXPERIENCED IN THE MONTH.

LAST IE SITE INSPECTION DATE: 10/07-11/01/85+

INSPECTION REPORT NO: 50-361/85-28+

Report Period OCT 1985

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SAN ONGFRE 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-32-L0	- -	- -	SPURIOUS CONTROL ROOM ISOLATION SYSTEM TRAIN 'B' ACTUATION
85-34-L0	- -	- -	TOXIC GAS ISOLATION SYSTEM HYDROCARBON ANALYZER FLAME-OUT
85-35-L0	- -	- -	INOPERABLE WASTE GAS-SURGE TANK HYDROGEN/OXYGEN MONITORS
85-36-L0	- -	- -	CONTROL ROOM ISOLATION SYSTEM TRAIN 'A' ACTUATION DUE TO FAILURE OF 2RT-7856
85-37-L0	- -	- -	CONTROL ROOM ISOLATION SYSTEM TRAIN 'B' ACTUATION
85-38-L0	- -	- -	IMPROPER CANCELLATION OF A CONTINUOUS FIRE WATCH

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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: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: R. J. MAISEL (714) 492-7700 X86657
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:
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>745.0</u>	<u>7,296.0</u>	<u>13,896.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>4,789.9</u>	<u>9,185.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>4,709.4</u>	<u>8,815.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,083,597</u>	<u>24,999,564</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,004,572</u>	<u>8,371,402</u>
19. Net Elec Ener (MWH)	<u>-3,113</u>	<u>3,725,204</u>	<u>7,825,574</u>
20. Unit Service Factor	<u>.0</u>	<u>64.5</u>	<u>63.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>64.5</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>47.3</u>	<u>52.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>47.3</u>	<u>52.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>22.5</u>	<u>14.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,365.6</u>	<u>1,448.9</u>

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

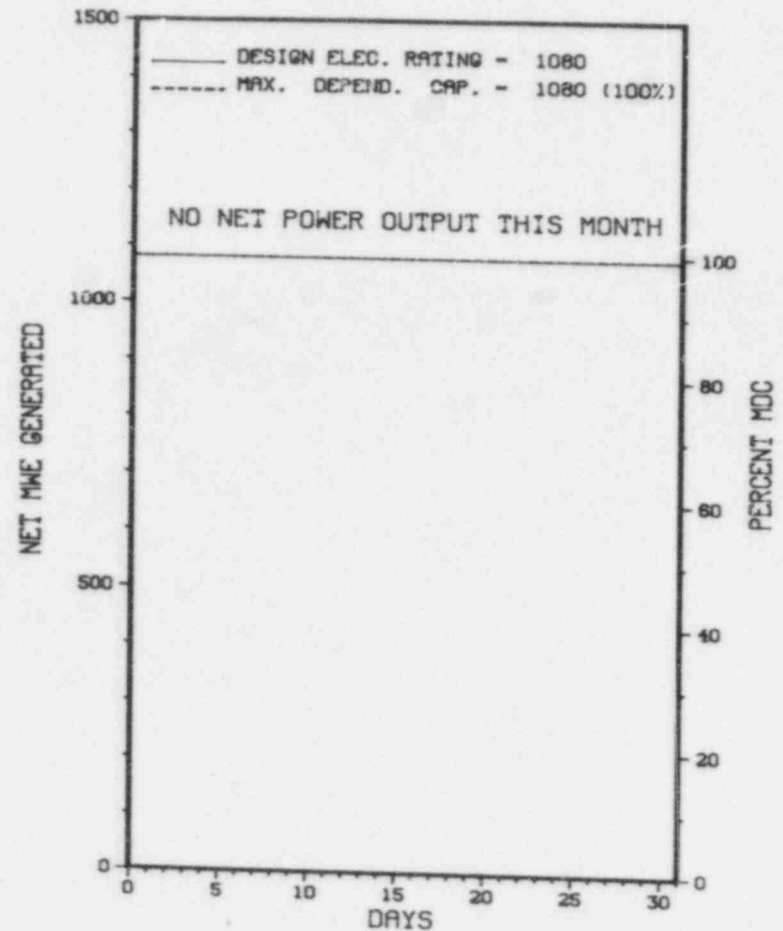
REFUELING: SEPTEMBER 14, 1985, 98 DAYS

27. If Currently Shutdown Estimated Startup Date: 12/21/85

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
22	09/14/85	S	745.0	C	4				REFUELING CONTINUES.

* SUMMARY *

SAN ONOFRE 3 CONTINUES IN A REFUELING OUTAGE.

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

* SAN ONOFRE 3 *

FACILITY DATA

Report Period OCT 1985

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.....R. HUEY
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 JULY 29 - SEPTEMBER 26, 1985 (REPORT NO. 50-362/85-26) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, ENGINEERED SAFETY FEATURE WALKDOWN, INDEPENDENT INSPECTION, LICENSEE EVENTS REPORT REVIEW, ALLEGATION FOLLOWUP AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 207 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.

RESULTS: OF THE TEN AREAS EXAMINED, TWO VIOLATIONS WERE IDENTIFIED: (1) FAILURE TO PERFORM ANALYSIS OF CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT; AND (2) IMPROPER ROUTING OF TEMPORARY ELECTRICAL CABLES.

+ INSPECTION ON OCTOBER 7 - NOVEMBER 1, 1985 (REPORT NO. 50-362/85-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 23-27, 1985 (REPORT NO. 50-362/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 16-21, 1985 (REPORT NO. 50-362/85-29) AREAS INSPECTED: UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM AND OF THE LICENSEE'S ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ INSPECTION ON SEPTEMBER 21 - OCTOBER 31, 1985 (REPORT NO. 50-362/85-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
+ INSPECTION ON OCTOBER 15-18, 1985 (REPORT NO. 50-362/85-31) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF INSERVICE INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 60 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT CONTINUED THE FIRST REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 10/07-11/01/85+

INSPECTION REPORT NO: 50-362/85-27+

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
85-17-L0	- -	- -	INOPERABLE SNUBBERS ON MAIN STEAM PIPING TO AUXILIARY FEEDWATER PUMP TURBINE
85-21-L0	- -	- -	FUEL HANDLING ISOLATION SYSTEM ACTUATION

1. Docket: 50-327 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: DAVID DUPREE (615) 870-6544

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): _____

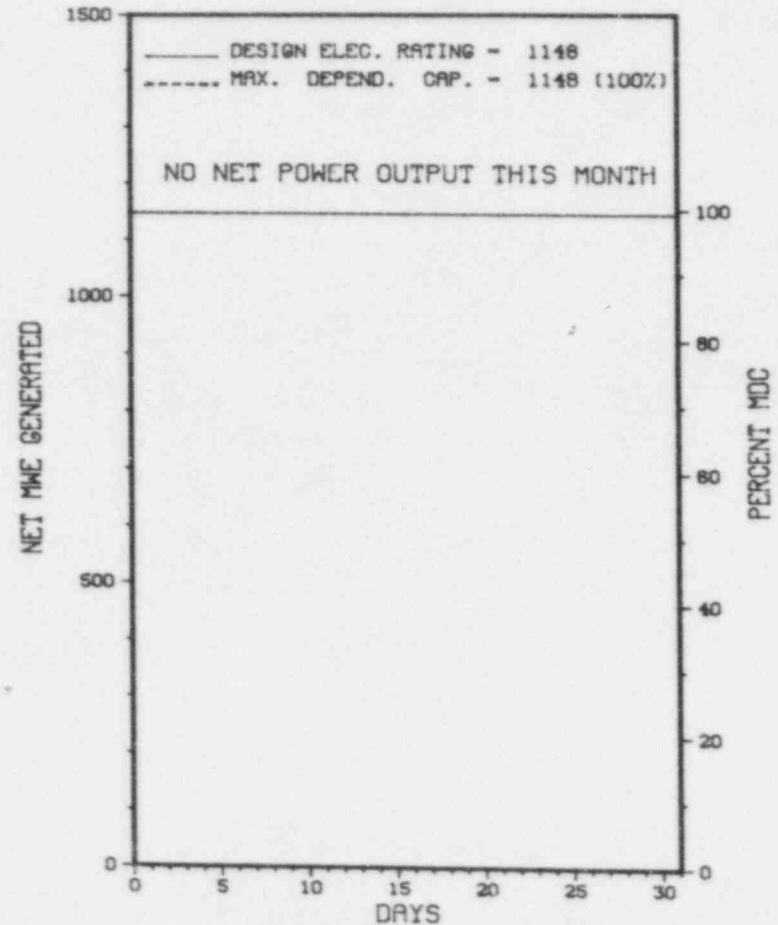
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>38,017.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,797.2</u>	<u>24,444.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,762.2</u>	<u>23,871.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,383,286</u>	<u>77,060,921</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,239,970</u>	<u>25,978,386</u>
19. Net Elec Ener (MWH)	<u>-1,479</u>	<u>4,063,636</u>	<u>24,945,266</u>
20. Unit Service Factor	<u>.0</u>	<u>51.6</u>	<u>62.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>51.6</u>	<u>62.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>48.5</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>48.5</u>	<u>57.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.4</u>	<u>18.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>531.6</u>	<u>5,339.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>01/15/86</u>			

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SEQUOYAH 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	08/22/85	S	745.0	C	4				REFUELING OUTAGE CONTINUES.

XXXXXXXXXXXX SEQUOYAH 1 REMAINS SHUT DOWN FOR REFUELING.
* SUMMARY *
XXXXXXXXXXXX

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 OCT 1985

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 SUMMARY

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

+ INSPECTION AUGUST 6 - SEPTEMBER 5 (85-27): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 143 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SECURITY AND HOUSEKEEPING INSPECTIONS; SURVEILLANCE AND MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF REPORTABLE EVENTS; REVIEW OF INSPECTOR FOLLOWUP ITEMS AND LICENSEE IDENTIFIED ITEMS; AND FOLLOWUP OF LICENSEE'S RESPONSE TO NRC ORDER EA 85-49. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: (1) FAILURE TO FOLLOW PROCEDURE DURING SURVEILLANCE TESTING OF AN EMERGENCY DIESEL GENERATOR (EDG). THIS APPLIES TO BOTH UNITS. (PARAGRAPH 6A). (2) FAILURE TO ADEQUATELY PERFORM A NON-DESTRUCTIVE EXAMINATION. THIS APPLIES TO UNIT 1 ONLY. (PARAGRAPH 10A.)

INSPECTION AUGUST 20-23 (85-29): THIS SPECIAL, UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ONSITE IN THE AREAS OF SAFETY-RELATED CABLE TRAY SUPPORT SYSTEMS, AND LICENSEE EVENT REPORTS ASSOCIATED WITH THE FAILURE OF THE CHEMICAL AND VOLUME CONTROL SYSTEM SAMPLING LINES. TWO VIOLATIONS WERE IDENTIFIED - INADEQUATE DESIGN CONTROLS FOR SEISMICALLY DESIGNED CABLE TRAY SUPPORT SYSTEMS, PARAGRAPH 5.B; INADEQUATE DESIGN CONTROLS FOR SAFETY-RELATED CABLE TRAY SUPPORT BASEPLATE INSTALLATIONS, PARAGRAPH 5.C.

INSPECTION SEPTEMBER 3-6 (85-30): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION ENTAILED 13.5 INSPECTOR-HOURS ONSITE (TWO HOURS ON BACKSHIFT) INSPECTING: LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. ONE VIOLATION WAS IDENTIFIED IN THE AREA OF COMPENSATORY MEASURES.

Report Period OCT 1985

REPORTS FROM LICENSEE

* SEQUOYAH 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-030	07/21/85	08/21/85	AUXILIARY FEEDWATER START THE FIRST EVENT OCCURRED DUE TO LOST OF BOTH MAIN FEED PUMPS DUE TO A HIGH-HIGH LEVEL IN STEAM GENER.
85-032	08/16/85	09/13/85	ENVIRONMENT QUALIFICATION OF EGTS INSTRUMENTATION RADIATION LEVELS WAS NOT CONSIDERED IN THE INITIAL QUALIFICATION.
85-033	08/27/85	09/23/85	MAIN CONTROL ROOM ISOLATION AN INSTRUMENT MECHANIC FAILED TO FOLLOW PROCEDURES.
85-034	08/27/85	09/26/85	DIESEL GENERATOR INOPERABILITY THE VENDOR IS NOW SUPPLYING A NEW CONDULET WITH MATCHING THREADS.
85-035	08/29/85	09/23/85	EMERGENCY DIESEL GENERATOR START WHILE TROUBLESHOOT CONTROL POWER WAS INADVERTENTLY LOST FOR A FEW SECONDS.
85-036	08/25/85	09/25/85	FAILURE TO COMPLY WITH ONE-HOUR-FIRE WATCH DUE TO INACCESSIBILITY OF THE AFFECTED AREAS OR IMPROPER SHIFT RELIEF.
85-037	09/06/85	09/27/85	MAIN CONTROL ROOM ISOLATION THE RM RECORDER CHART SHOWED A DOWN-SCALE SPIKE AS WELL AS AN UP-SCALE SPIKE NO EQUIPMENT PROBLEMS WERE DISCOVERED.

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1. Docket: 50-328 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: DAVID DUPREE (615) 870-6544

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

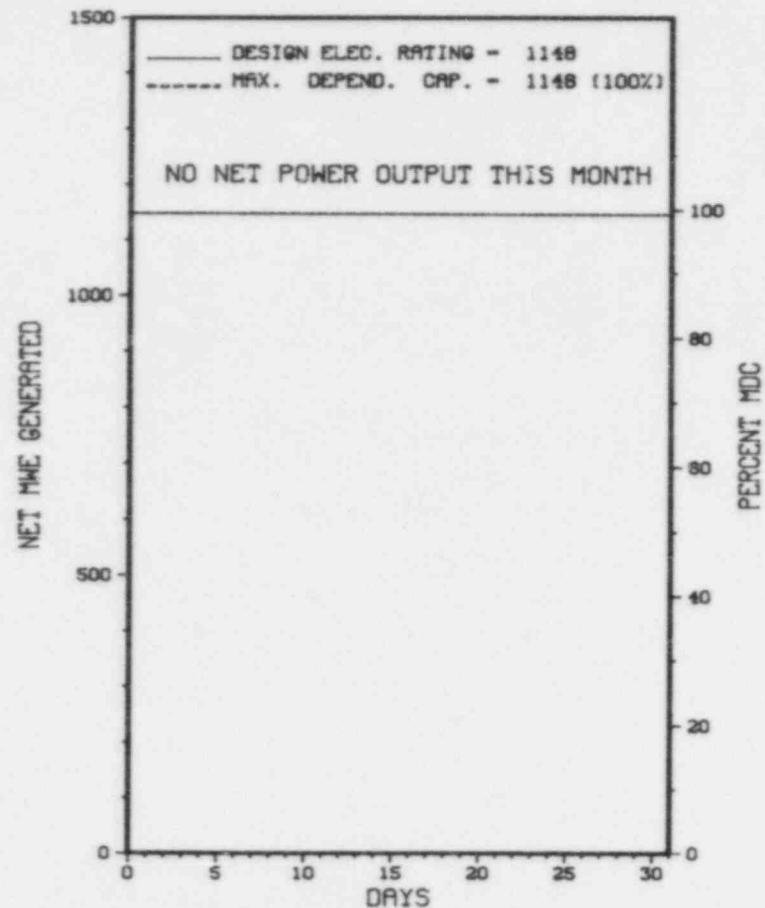
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>29,977.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,289.4</u>	<u>21,984.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,224.2</u>	<u>21,494.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>17,128,965</u>	<u>69,127,974</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>5,345,100</u>	<u>23,536,780</u>
19. Net Elec Ener (MWH)	<u>-3,743</u>	<u>5,618,589</u>	<u>22,639,598</u>
20. Unit Service Factor	<u>.0</u>	<u>71.6</u>	<u>71.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>71.6</u>	<u>71.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>67.1</u>	<u>65.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>67.1</u>	<u>65.8</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>28.3</u>	<u>14.5</u>
25. Forced Outage Hours	<u>745.0</u>	<u>2,065.6</u>	<u>3,659.3</u>

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

27. If Currently Shutdown: Estimated Startup Date: 01/15/86

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 2 *

No.	Date	Type	Hours	Reason	Method	LER number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/21/85	F	745.0	D	4				NUREG 0588 DOCUMENTATION CONCERNS.

* SUMMARY *

SEQUOYAH 2 REMAINS SHUT DOWN FOR NUREG-0588 CONCERNS.

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 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 5, 1981
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1981
DATE COMMERCIAL OPERATE...JUNE 1, 1982
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHICKAMAUGA LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....831 POWER BUILDING
CHATTANOOGA, TENNESSEE 37401
CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....E. FORD
LICENSING PROJ MANAGER....C. STAHL
DOCKET NUMBER.....50-328
LICENSE & DATE ISSUANCE...DPR-79, SEPTEMBER 15, 1981
PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 6 - SEPTEMBER 5 (85-28): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 143 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SECURITY AND HOUSEKEEPING INSPECTIONS; SURVEILLANCE AND MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF REPORTABLE EVENTS; REVIEW OF INSPECTOR FOLLOWUP ITEMS AND LICENSEE IDENTIFIED ITEMS; AND FOLLOWUP OF LICENSEE'S RESPONSE TO NRC ORDER EA 85-49. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED: (1) FAILURE TO FOLLOW PROCEDURE DURING SURVEILLANCE TESTING OF AN EMERGENCY DIESEL GENERATOR (EDG). THIS APPLIES TO BOTH UNITS. (PARAGRAPH 6A). (2) FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION (LCO) 3.5.1.1. THIS APPLIES TO UNIT 2 ONLY. (PARAGRAPH 10A.)

INSPECTION AUGUST 20-23 (85-29): THIS SPECIAL, UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ONSITE IN THE AREAS OF SAFETY-RELATED CABLE TRAY SUPPORT SYSTEMS, AND LICENSEE EVENT REPORTS ASSOCIATED WITH THE FAILURE OF THE CHEMICAL AND VOLUME CONTROL SYSTEM SAMPLING LINES. TWO VIOLATIONS WERE IDENTIFIED - INADEQUATE DESIGN CONTROLS FOR SEISMICALLY DESIGNED CABLE TRAY SUPPORT SYSTEMS, PARAGRAPH 5.B; INADEQUATE DESIGN CONTROLS FOR SAFETY-RELATED CABLE TRAY SUPPORT BASEPLATE INSTALLATIONS, PARAGRAPH 5.C.

INSPECTION SEPTEMBER 3-6 (85-30): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION ENTAILED 13.5 INSPECTOR-HOURS ONSITE (TWO HOURS ON BACKSHIFT) INSPECTING: LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. ONE VIOLATION WAS IDENTIFIED IN THE AREA OF COMPENSATORY MEASURES.

INSPECTION SUMMARY

INSPECTION SEPTEMBER 16-20 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ONSITE REVIEWING PREPARATIONS FOR REFUELING, FOLLOWUP ON IEB 84-03, AND FOLLOWUP ON INSPECTOR IDENTIFIED PROBLEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 6 - OCTOBER 5 (85-32): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 162.5 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF: OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SECURITY AND HOUSEKEEPING INSPECTIONS; SURVEILLANCE AND MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; ENGINEERED SAFETY FEATURE; AND REVIEW OF OF INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURE DURING A TEST OF THE CONTROL ROOM CHLORINE DETECTION SYSTEM (PARAGRAPH 10).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE IMPLEMENTED AND MAINTAINED COVERING SAFETY-RELATED ACTIVITIES STATED IN APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, WHICH INCLUDES USE OF ADMINISTRATIVE PROCEDURES. THE LICENSEE HAS ESTABLISHED ADMINISTRATIVE INSTRUCTION, AI-12, ADVERSE CONDITIONS AND CORRECTIVE ACTIONS, TO PROVIDE MEASURES WHICH ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED, DOCUMENTED, AND CORRECTED, AND THAT ACTIONS ARE TAKEN TO PREVENT THEIR RECURRENCE. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO IMPLEMENT AI-12 IN THAT DOCUMENTED IDENTIFICATION AND APPROPRIATE CORRECTIVE ACTION WERE NOT TAKEN TO REDUCE VIBRATION OF AN INDIVIDUAL ROD POSITION INDICATION (IRPI) MODULE. INSTEAD, A PAPER WEDGE WAS PLACED BETWEEN IRPI MODULES BY PLANT OPERATORS IN AN ATTEMPT TO REDUCE VIBRATION AND PREVENT THE MODULES FROM BECOMING ELECTRICALLY DISCONNECTED WHILE REQUIRED TO BE OPERABLE.
(8502 4)

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20 AND SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. THE LICENSEE HAS ESTABLISHED RADIOLOGICAL CONTROL INSTRUCTIONS RCI-1, RADIOLOGICAL HYGIENE CONTROL, AND RCI-14, RADIATION WORK PERMIT (RWP) PROGRAM, TO MEET CERTAIN OF THESE REQUIREMENTS. RCI-1 STATES THAT WHOLE BODY FRISKING IS REQUIRED WHEN EXITING A CONTAMINATION ZONE TO PREVENT SPREAD OF CONTAMINATION TO OTHER AREAS. RCI-14 REQUIRES EACH EMPLOYEE TO BE RESPONSIBLE FOR MEETING THE REQUIREMENTS LISTED ON THE RWP AND RWP TIMESHEET. RWP 02-0-85663, ISSUED FOR ENTRY TO THE WASTE GAS COMPRESSOR ROOM ON JULY 16, 1985, REQUIRED A WHOLE BODY FRISK UPON EXIT FROM THE CONTAMINATED AREA. CONTRARY TO THE ABOVE, ON JULY 16, 1985, TWO LICENSEE EMPLOYEES FAILED TO PERFORM A WHOLE BODY FRISK UPON EXIT FROM THE WASTE GAS COMPRESSOR ROOM.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

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1. Docket: 50-335 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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): 827

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>745.0</u>	<u>7,296.0</u>	<u>77,688.0</u>
13. Hours Reactor Critical	<u>458.3</u>	<u>7,005.3</u>	<u>57,026.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>457.8</u>	<u>7,001.8</u>	<u>55,736.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,214,386</u>	<u>18,656,586</u>	<u>140,792,097</u>
18. Gross Elec Ener (MWH)	<u>380,220</u>	<u>6,167,990</u>	<u>46,026,645</u>
19. Net Elec Ener (MWH)	<u>357,920</u>	<u>5,847,541</u>	<u>43,405,316</u>
20. Unit Service Factor	<u>61.4</u>	<u>96.0</u>	<u>71.7</u>
21. Unit Avail Factor	<u>61.4</u>	<u>96.0</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>58.1</u>	<u>97.1</u>	<u>67.6</u>
23. Unit Cap Factor (DER Net)	<u>57.9</u>	<u>96.6</u>	<u>67.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.1</u>	<u>4.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>7.0</u>	<u>2,459.9</u>

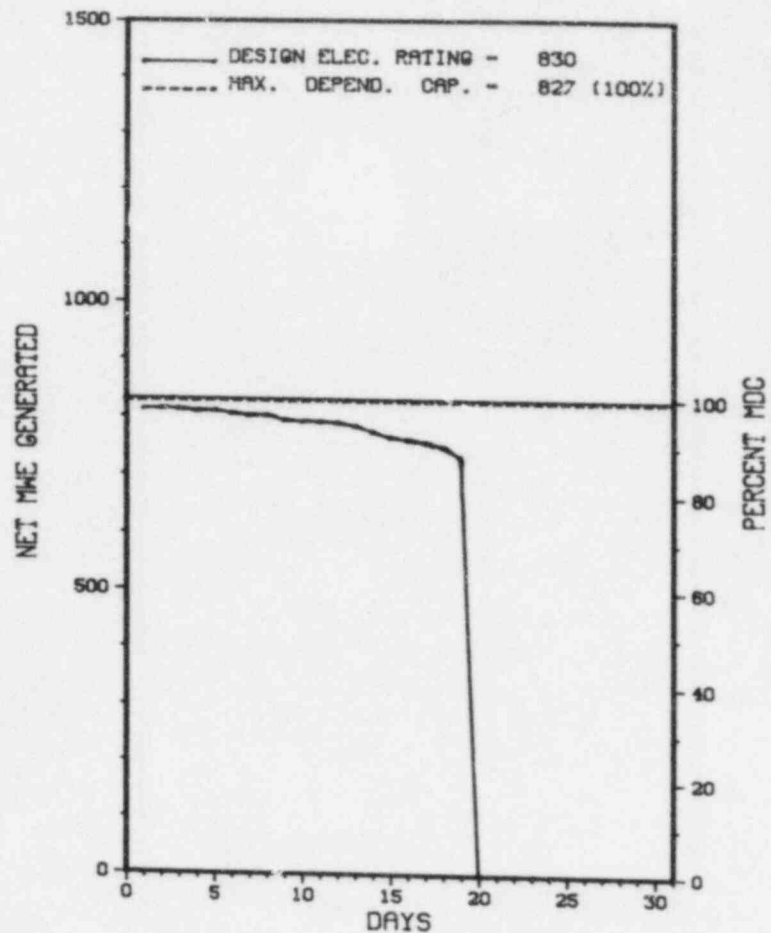
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/22/85

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ST LUCIE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	10/20/85	S	287.2	C	1		RC	FUELXX	UNIT NO. 1 WAS SHUTDOWN FOR REFUELING AND SCHEDULED MAINTENANCE.

***** ST. LUCIE 1 BEGAN A REFUELING OUTAGE ON OCTOBER 20TH.
 * 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)

* ST LUCIE 1 *

FACILITY DATA

Report Period OCT 1985

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.....R. CRLENJAK
LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-335
LICENSE & DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 13 - SEPTEMBER 23 (85-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 95 INSPECTOR-HOURS ONSITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED (PARAGRAPH 4).

INSPECTION AUGUST 19-21 (85-22): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 4.5 INSPECTOR-HOURS ONSITE AND AT THE GENERAL OFFICE IN THE AREAS OF EMERGENCY PREPAREDNESS, EMERGENCY RESPONSE FACILITIES, NRC RESPONSE TEAM COORDINATION, AND NRC HURRICANE RESPONSE EQUIPMENT, COORDINATION AND PROCEDURES. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 16-20 (85-24): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION ENTAILED 17 INSPECTOR-HOURS ONSITE (THREE HOURS ON BACKSHIFT) INSPECTING: MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; LIGHTING; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATION; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. NO VIOLATIONS OR REGULATORY REQUIREMENTS WERE IDENTIFIED.

1. Docket: 50-389 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 0850

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 882

8. Maximum Dependable Capacity (Net MWe): 837

9. If Changes Occur Above Since Last Report, Give Reasons:
7 & 8 REVISED INCREASE IN LIC. THERM PHR

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

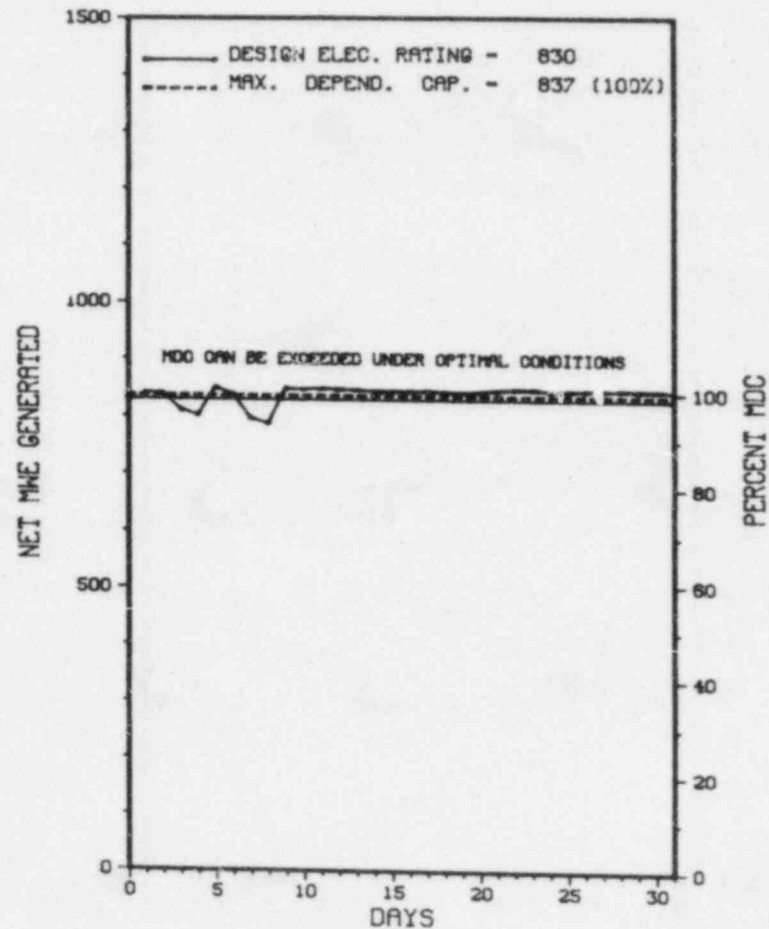
11. Reasons for Restrictions, If Any: _____
NONE

	MON`H	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>19,585.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,051.6</u>	<u>16,657.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,990.2</u>	<u>16,190.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,986,668</u>	<u>15,611,075</u>	<u>40,969,640</u>
18. Gross Elec Ener (MWH)	<u>659,510</u>	<u>5,237,050</u>	<u>13,686,750</u>
19. Net Elec Ener (MWH)	<u>625,794</u>	<u>4,942,540</u>	<u>12,904,952</u>
20. Unit Service Factor	<u>100.0</u>	<u>82.1</u>	<u>82.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>82.1</u>	<u>82.7</u>
22. Unit Cap Factor (MDC Net)	<u>100.4</u>	<u>82.4</u>	<u>78.7</u>
23. Unit Cap Factor (DER Net)	<u>101.2</u>	<u>81.9</u>	<u>79.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>14.9</u>	<u>11.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,052.7</u>	<u>2,044.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING, 2/86 - 7 WEEKS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

 * S T L U C I E 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 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

***** ST. LUCIE 2 OPERATED ROUTINELY IN OCTOBER WITH NO OUTAGES OR POWER REDUCTIONS REPORTED.
* SUMMARY *

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

* ST LUCIE 2 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 2, 1983
DATE ELEC ENER 1ST GENER...JUNE 13, 1983
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER....D. SELLS
DOCKET NUMBER.....50-389
LICENSE & DATE ISSUANCE...NPF-16, JUNE 10, 1983
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 13 - SEPTEMBER 23 (85-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 95 INSPECTOR-HOURS ONSITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED (PARAGRAPH 4).

INSPECTION AUGUST 19-21 (85-22): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 4.5 INSPECTOR-HOURS ONSITE AND AT THE GENERAL OFFICE IN THE AREAS OF EMERGENCY PREPAREDNESS, EMERGENCY RESPONSE FACILITIES, NRC RESPONSE TEAM COORDINATION, AND NRC HURRICANE RESPONSE EQUIPMENT, COORDINATION AND PROCEDURES. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 16-20 (85-24): THIS ROUTINE, UNANNOUNCED, PHYSICAL SECURITY INSPECTION ENTAILED 17 INSPECTOR-HOURS ONSITE (THREE HOURS AND BACKSHIFT) INSPECTING: MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; LIGHTING; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATION; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. NO VIOLATIONS OR REGULATORY REQUIREMENTS WERE IDENTIFIED.

1. Docket: 50-395 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>16,080.0</u>
13. Hours Reactor Critical	<u>109.0</u>	<u>6,054.7</u>	<u>11,608.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>108.0</u>	<u>5,954.5</u>	<u>11,320.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>292,854</u>	<u>15,843,642</u>	<u>29,176,228</u>
18. Gross Elec Ener (MWH)	<u>98,126</u>	<u>5,285,796</u>	<u>9,717,909</u>
19. Net Elec Ener (MWH)	<u>88,664</u>	<u>5,044,828</u>	<u>9,241,353</u>
20. Unit Service Factor	<u>14.5</u>	<u>81.6</u>	<u>70.4</u>
21. Unit Avail Factor	<u>14.5</u>	<u>81.6</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>13.4</u>	<u>78.1</u>	<u>64.9</u>
23. Unit Cap Factor (DER Net)	<u>13.2</u>	<u>76.8</u>	<u>63.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.0</u>	<u>8.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>382.8</u>	<u>1,033.3</u>

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

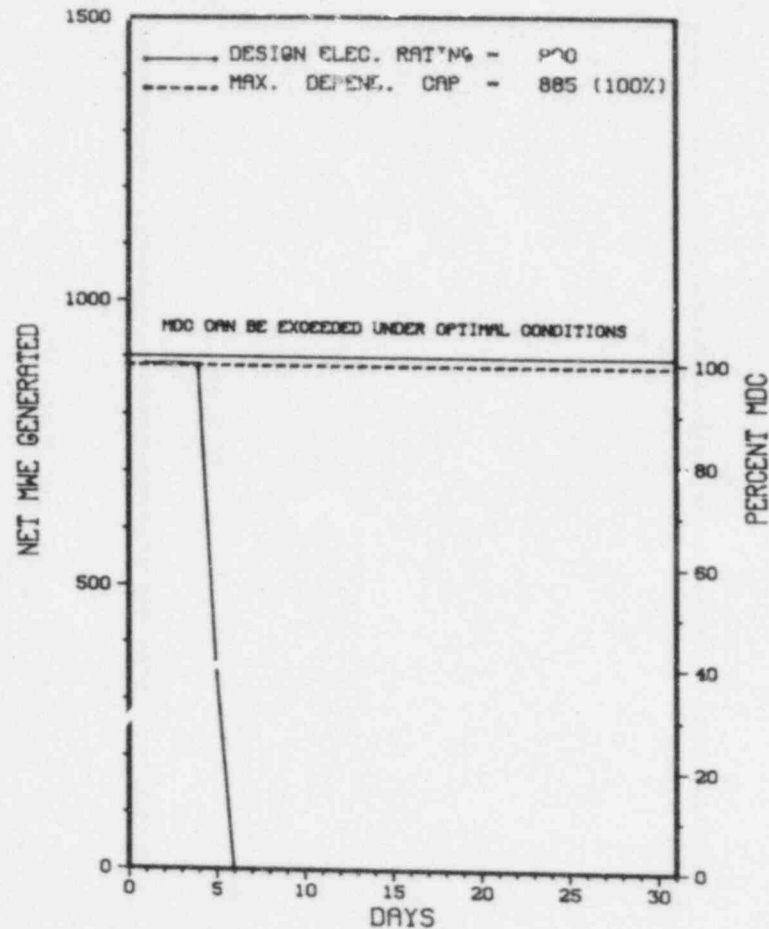
NONE

27. If Currently Shutdown Estimated Startup Date: 12/06/85

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X SUMMER 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	10/05/85	S	637.0	C	1				REFUELING OUTAGE COMMENCES.

* SUMMARY *

SUMMER 1 WAS SHUT DOWN ON OCTOBER 5TH TO BEGIN 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)

* SUMMER 1 *

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

Report Period OCT 1985

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 SEPTEMBER 3-6 (85-36): THIS SPECIAL, UNANNOUNCED INSPECTION ENTAILED 112 INSPECTOR-HOURS ONSITE IN THE AREAS OF VIOLATIONS/OPERATIONAL EVENTS RESULTING FROM PERSONNEL ERRORS AND OPEN ITEM CLOSEOUT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 7-30 (85-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 385 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT TOURS; OPERATIONAL SAFETY VERIFICATIONS; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATIONS; A REVIEW OF THE LICENSEE PROGRAM FOR MAINTENANCE MODIFICATIONS AND DESIGN CHANGES; AND A REVIEW OF OPERATING EVENTS. ONE VIOLATION WAS IDENTIFIED WITH THE UNIT AT POWER, A FEEDWATER ISOLATION VALVE WAS RENDERED INOPERABLE FOR A PERIOD OF APPROXIMATELY TEN DAYS.

INSPECTION SEPTEMBER 30 - OCTOBER 4 (85-38): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 33 INSPECTOR-HOURS ONSITE IN THE AREAS OF QUALITY ASSURANCE (QA) PROGRAM REVIEW, OFFSITE SUPPORT STAFF, AND OFFSITE REVIEW COMMITTEE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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): 820

8. Maximum Dependable Capacity (Net MWe): 781

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>745.0</u>	<u>7,296.0</u>	<u>112,728.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,471.4</u>	<u>70,864.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,365.4</u>	<u>69,374.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,660,525</u>	<u>14,467,606</u>	<u>159,956,090</u>
18. Gross Elec Ener (MWH)	<u>549,180</u>	<u>4,791,480</u>	<u>51,643,443</u>
19. Net Elec Ener (MWH)	<u>519,513</u>	<u>4,546,678</u>	<u>48,958,522</u>
20. Unit Service Factor	<u>100.0</u>	<u>87.2</u>	<u>61.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>87.2</u>	<u>64.9</u>
22. Unit Cap Factor (MDC Net)	<u>89.3</u>	<u>80.0</u>	<u>55.6</u>
23. Unit Cap Factor (DER Net)	<u>88.5</u>	<u>79.1</u>	<u>55.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.9</u>	<u>19.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>547.5</u>	<u>12,981.3</u>

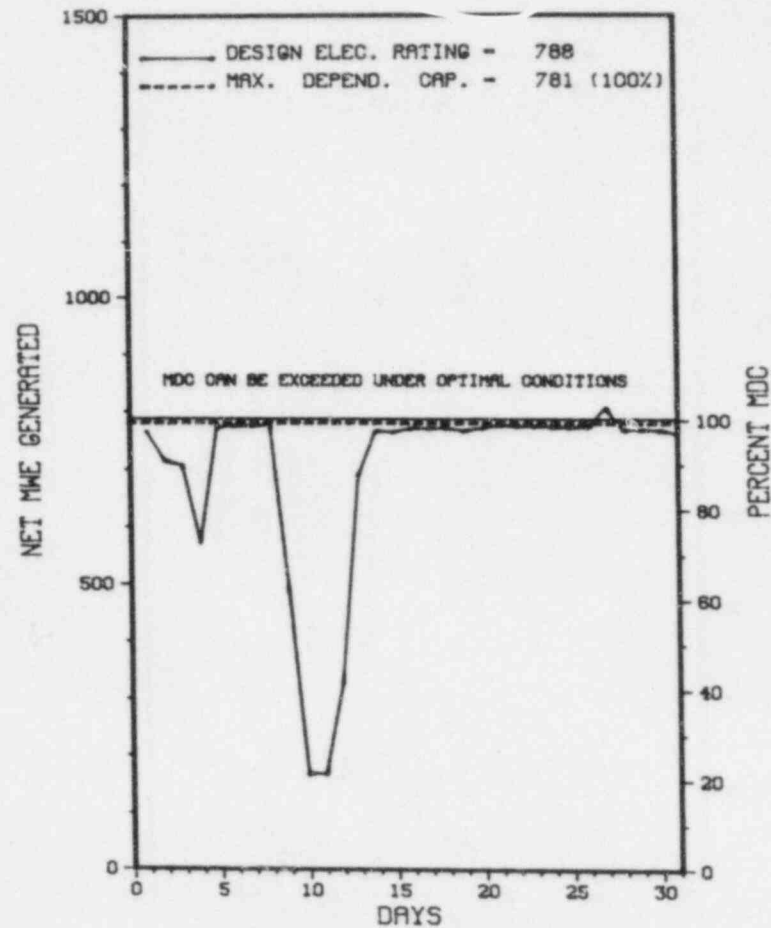
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-15	10/09/85	F	0.0	H	5				UNIT WAS REDUCED TO 30% (180 MW'S) DUE TO SECONDARY CHEMISTRY. THE CAUSE WAS DETERMINED TO BE RESIN GETTING INTO HOTWELL FROM THE S/G BLOWDOWN 1 X'S. THE CORRECTIVE ACTION WAS TO REPLACE THE FAILED RETENTION ELEMENTS.
85-16	10/30/85	F	0.0	H	5				UNIT WAS REDUCED TO 59% (460 MW'S) DUE TO SECONDARY CHEMISTRY.

 * SUMMARY *

 SURRY 1 OPERATED ROUTINELY IN OCTOBER.

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 *

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

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 1, 1972

DATE ELEC ENER 1ST GENER...JULY 4, 1972

DATE COMMERCIAL O'ERATE...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 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....T. CHAN
DOCKET NUMBER.....50-280

LICENSE & DATE ISSUANCE...DPR-32, MAY 25, 1972

PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 23-27 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 47 INSPECTOR-HOURS ONSITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENT INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF PROCEDURES AND INSTRUCTIONS, QUALITY CONTROL RECORDS, AND LOGS; REVIEW OF THE COUNTING ROOM AND CHEMISTRY LABORATORY FACILITIES; REVIEW OF RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY; AND REVIEW OF WHOLE-BODY COUNTER MEASUREMENTS USING A FISSION PRODUCT PHANTOM. ONE VIOLATION WAS IDENTIFIED - INADEQUATE PROCEDURE FOR DETERMINING THE LOWER LIMIT OF DETECTION AS DEFINED IN TECHNICAL SPECIFICATION TABLES 4.9-1, 4.9-2, AND 4.9-5.

INSPECTION SEPTEMBER 9-13 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE PROGRAMS. ONE VIOLATION WAS IDENTIFIED - VIOLATION 280, 281/85-31-06 - FAILURE TO PROPERLY DOCUMENT MONTHLY PERIODIC CHECKS ON MEASURING AND TEST EQUIPMENT (M&TE) SQC-187, WWVB RECEIVER OSCILLATOR.

INSPECTION SEPTEMBER 3 - OCTOBER 7 (85-32): THIS INSPECTION ENTAILED 110 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOW-UP OF EVENTS, EMERGENCY DRILL EVALUATION, AND NUREG-0737 ITEMS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-281 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>109,608.0</u>
13. Hours Reactor Critical	<u>433.7</u>	<u>4,616.6</u>	<u>70,622.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>433.3</u>	<u>4,543.8</u>	<u>69,451.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,050,510</u>	<u>10,228,189</u>	<u>162,226,592</u>
18. Gross Elec Ener (MWH)	<u>342,435</u>	<u>3,282,450</u>	<u>52,567,924</u>
19. Net Elec Ener (MWH)	<u>325,174</u>	<u>3,108,011</u>	<u>49,824,453</u>
20. Unit Service Factor	<u>58.2</u>	<u>62.3</u>	<u>63.4</u>
21. Unit Avail Factor	<u>58.2</u>	<u>62.3</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>56.3</u>	<u>55.0</u>	<u>58.7</u>
23. Unit Cap Factor (DER Net)	<u>55.4</u>	<u>54.1</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>13.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>12.0</u>	<u>7,925.9</u>

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

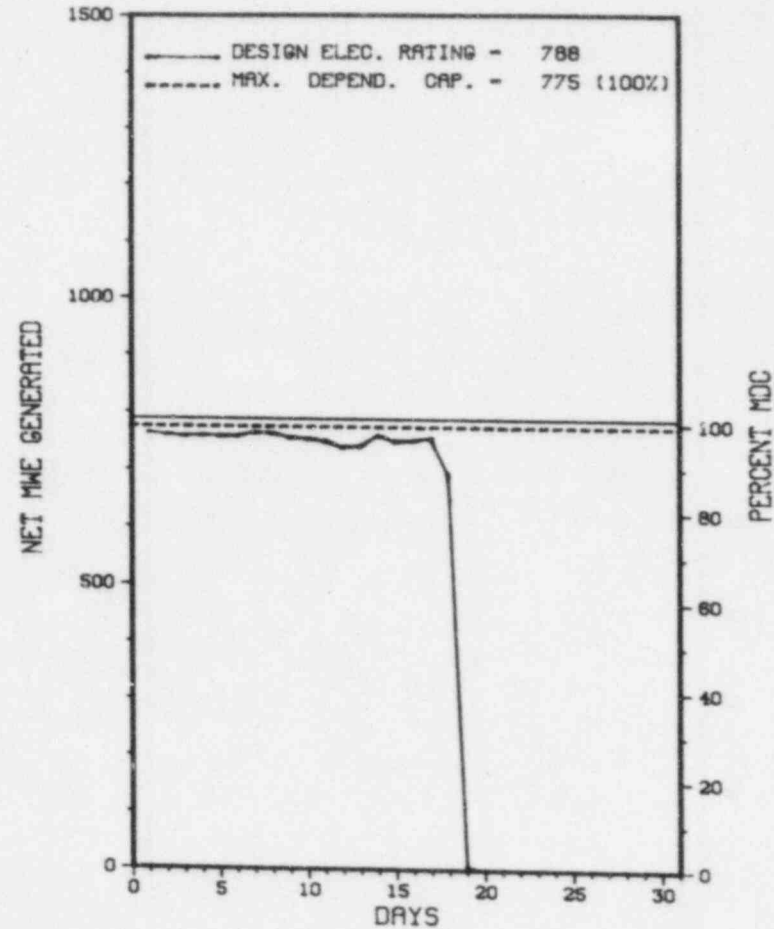
NONE

27. If Currently Shutdown Estimated Startup Date: 11/24/85

* S U R R Y 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-7	09/01/85	S	0.0	H	5			POWER WAS REDUCED TO 62%, 500 MW'S FOR LOAD FOLLOWING.
85-8	09/19/85	S	0.0	H	5			POWER WAS REDUCED TO 79%, 650 MW'S FOR LOAD FOLLOWING.
85-9	09/26/85	S	0.0	H	5			POWER WAS REDUCED TO 30%, 210 MW'S DUE TO HURRICANE THREAT.
85-10	09/30/85	S	0.0	H	5			POWER WAS REDUCED TO 82%, 653 MW'S FOR LOAD FOLLOWING.
85-11	10/19/85	S	311.7	B	1			UNIT WAS SHUTDOWN FOR SCHEDULED SNUBBER OUTAGE.

 * SURRY 2 WAS SHUT DOWN ON OCTOBER 19TH TO BEGIN SNUBBER MAINTENANCE.
 * SUMMARY *

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

* SURRY 2 *

FACILITY DATA

Report Period OCT 1985

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 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....T. CHAN
DOCKET NUMBER.....50-281
LICENSE & DATE ISSUANCE...DPR-37, JANUARY 29, 1973
PUBLIC DOCUMENT ROOMSWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 23-27 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 47 INSPECTOR-HOURS ONSITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENT INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF PROCEDURES AND INSTRUCTIONS, QUALITY CONTROL RECORDS, AND LOGS; REVIEW OF THE COUNTING ROOM AND CHEMISTRY LABORATORY FACILITIES; REVIEW OF RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY; AND REVIEW OF WHOLE-BODY COUNTER MEASUREMENTS USING A FISSION PRODUCT PHANTOM. ONE VIOLATION WAS IDENTIFIED - INADEQUATE PROCEDURE FOR DETERMINING THE LOWER LIMIT OF DETECTION AS DEFINED IN TECHNICAL SPECIFICATION TABLES 4.9-1, 4.9-2, AND 4.9-5.

INSPECTION SEPTEMBER 9-13 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE PROGRAMS. ONE VIOLATION WAS IDENTIFIED - VIOLATION 280, 281/85-31-06 - FAILURE TO PROPERLY DOCUMENT MONTHLY PERIODIC CHECKS ON MEASURING AND TEST EQUIPMENT (M&TE) SQC-187, WWVB RECEIVER OSCILLATOR.

INSPECTION SEPTEMBER 3 - OCTOBER 7 (85-32): THIS INSPECTION ENTAILED 110 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOW-UP OF EVENTS, EMERGENCY DRILL EVALUATION, AND NUREG-0737 ITEMS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: SEPTEMBER 3 - OCTOBER 7, 1985 +

INSPECTION REPORT NO: 50-281/85-32 +

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 REPGRT	SUBJECT
85-010	08/13/85	08/13/85	PARTIAL LOSS OF 480 VOLT EMERGENCY BUS THE BREAKERS WERE REST AND SCHEDULED FOR INSPECTION DURING THE NEXT EXTENDED OUTAGE.
85-018	09/18/85	10/11/85	TURBINE TRIP/RX TRIP DUE TO LOW CONDENSER VACUUM, SWITCHES WILL UNDERGO ADDITIONAL EVALUATION AS PART OF THE "CONTROL ROOM DESIGN REVIEW."

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1. Docket: 50-387 OPERATING STATUS
 2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
 3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759
 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>745.0</u>	<u>7,296.0</u>	<u>21,049.0</u>
13. Hours Reactor Critical	<u>691.0</u>	<u>4,303.5</u>	<u>14,698.1</u>
14. Rx Reserve Shtdwn Hrs	<u>28.4</u>	<u>70.2</u>	<u>502.1</u>
15. Hrs Generator On-Line	<u>680.3</u>	<u>4,212.8</u>	<u>14,361.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,164,985</u>	<u>13,021,406</u>	<u>43,643,330</u>
18. Gross Elec Ener (MWH)	<u>705,951</u>	<u>4,219,380</u>	<u>14,209,910</u>
19. Net Elec Ener (MWH)	<u>679,398</u>	<u>4,025,680</u>	<u>13,650,194</u>
20. Unit Service Factor	<u>91.3</u>	<u>57.7</u>	<u>68.2</u>
21. Unit Avail Factor	<u>91.3</u>	<u>57.7</u>	<u>68.2</u>
22. Unit Cap Factor (MDC Net)	<u>88.4</u>	<u>53.5</u>	<u>62.8</u>
23. Unit Cap Factor (DER Net)	<u>85.6</u>	<u>51.8</u>	<u>60.9</u>
24. Unit Forced Outage Rate	<u>8.7</u>	<u>2.7</u>	<u>11.0</u>
25. Forced Outage Hours	<u>64.7</u>	<u>118.6</u>	<u>1,775.2</u>

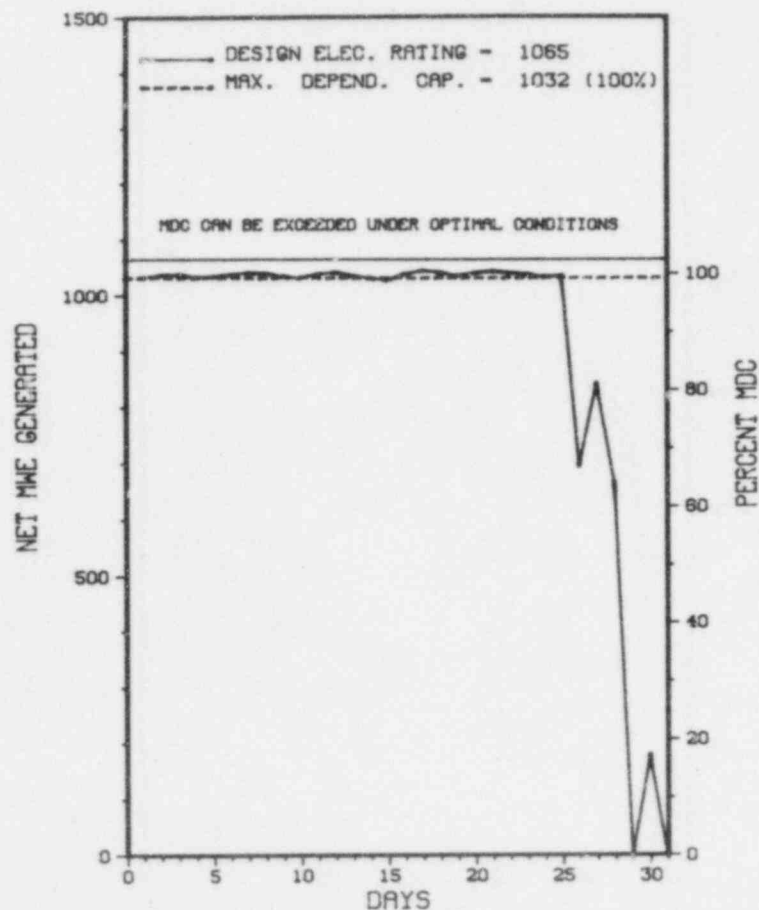
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: FEBRUARY 15, 1986; 84 DAYS

27. If Currently Shutdown Estimated Startup Date: 11/06/85

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	10/26/85	S	0.0	F	5		ZZ	ZZZZZZ	POWER REDUCTION FOR CONTROL ROD SEQUENCE EXCHANGE AND SCRAM TIME TESTING.
6	10/28/85	F	36.3	A	3	85-030	IC	CK1BRK	A FUSE BLEW DURING THE PERFORMANCE OF THE QUARTERLY CALIBRATION OF RPV LEVEL INSTRUMENTATION, CAUSING 25% OF ALL CONTROL RODS TO SCRAM. THIS YIELDED A FULL SCRAM ON LOW RPV LEVEL.
7	10/30/85	F	28.4	H	5	85-031	HA	VALVEX	HIGH LEVEL IN MOISTURE SEPARATOR DRAIN TANK 'B' CAUSED A TURBINE TRIP AND SUBSEQUENT REACTOR SCRAM ON TURBINE CONTROL VALVE FAST CLOSURE.

 * SUMMARY *

 SUSQUEHANNA 1 EXPERIENCED 1 POWER REDUCTION AND 1 OUTAGE IN OCTOBER 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)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period OCT 1985

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.....M. CAMPAGNONE
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 OCT 1985

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

* SUSQUEHANNA 1 *
:**

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			

=====

1. Docket: 50-388 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: L. A. KUCZYNSKI (717) 542-7759
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): 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>745.0</u>	<u>6,288.0</u>	<u>6,288.0</u>
13. Hours Reactor Critical	<u>719.6</u>	<u>5,783.4</u>	<u>5,783.4</u>
14. Rx Reserve Shtdwn Hrs	<u>25.4</u>	<u>434.1</u>	<u>434.1</u>
15. Hrs Generator On-Line	<u>711.0</u>	<u>5,672.5</u>	<u>5,672.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Thermal Ener (MWH)	<u>2,276,108</u>	<u>17,971,615</u>	<u>17,971,615</u>
18. Gross Elec Ener (MWH)	<u>750,308</u>	<u>5,870,976</u>	<u>5,870,976</u>
19. Net Elec Ener (MWH)	<u>724,706</u>	<u>5,662,119</u>	<u>5,662,119</u>
20. Unit Service Factor	<u>95.4</u>	<u>90.2</u>	<u>90.2</u>
21. Unit Avail Factor	<u>95.4</u>	<u>90.2</u>	<u>90.2</u>
22. Unit Cap Factor (MDC Net)	<u>94.3</u>	<u>86.9</u>	<u>87.3</u>
23. Unit Cap Factor (DER Net)	<u>91.3</u>	<u>84.6</u>	<u>84.6</u>
24. Unit Forced Outage Rate	<u>4.6</u>	<u>9.8</u>	<u>9.8</u>
25. Forced Outage Hours	<u>34.0</u>	<u>615.5</u>	<u>615.5</u>

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

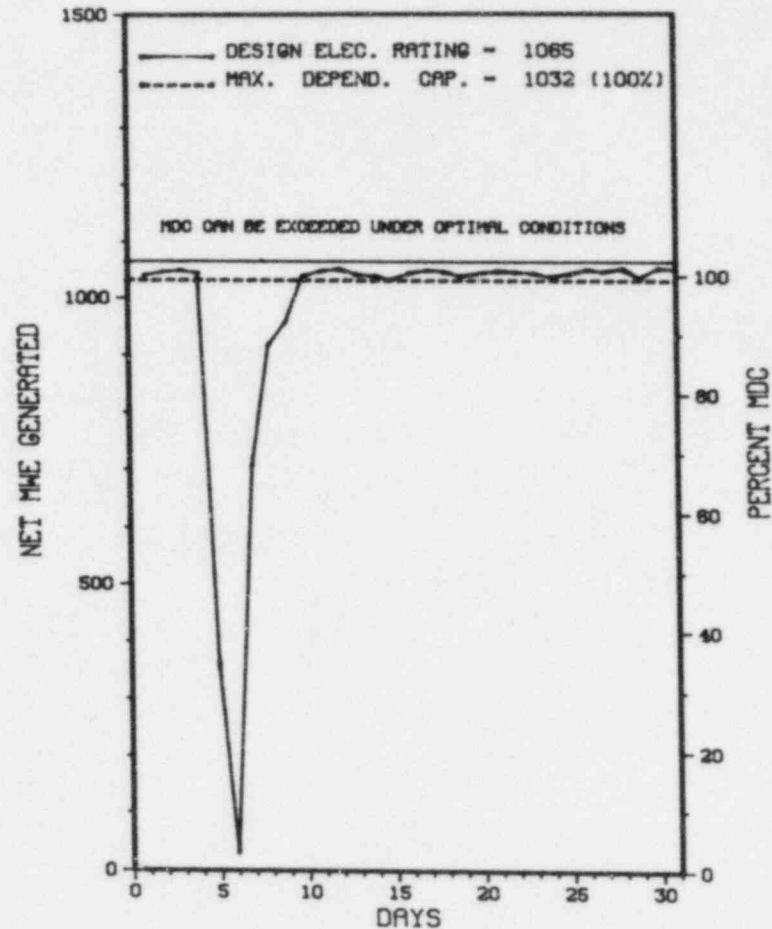
NONE

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

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	10/05/85	F	34.0	A	3	85-025-00	EA	RELAYX	A PHASE TO GROUND FAULT OCCURRED ON THE SUSQUEHANNA-ALBURTIS-WESCOSVILLE TRANSMISSION LINES DUE TO A LIGHTNING STRIKE. FAILURE OF AN AUXILIARY RELAY, UNRELATED TO THE LIGHTNING STRIKE, RESULTED IN ISOLATION OF THE UNIT 2 GENERATOR CAUSING A TURBINE TRIP AND SUBSEQUENT REACTOR SCRAM.

 * SUMMARY *

 SUSQUEHANNA 2 INCURRED 1 OUTAGE IN OCTOBER 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)

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period OCT 1985

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...FEBRUARY 12, 1985
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....M. CAMPAGNONE
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....

INSPECTION STATUS

WILKES-BARRE, PENNSYLVANIA 18701

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 OCT 1985

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.			

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1. Docket: 50-289 OPERATING STATUS
2. Reporting Period: 10/01/85 Outage + On-Line Hrs: 745.0
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

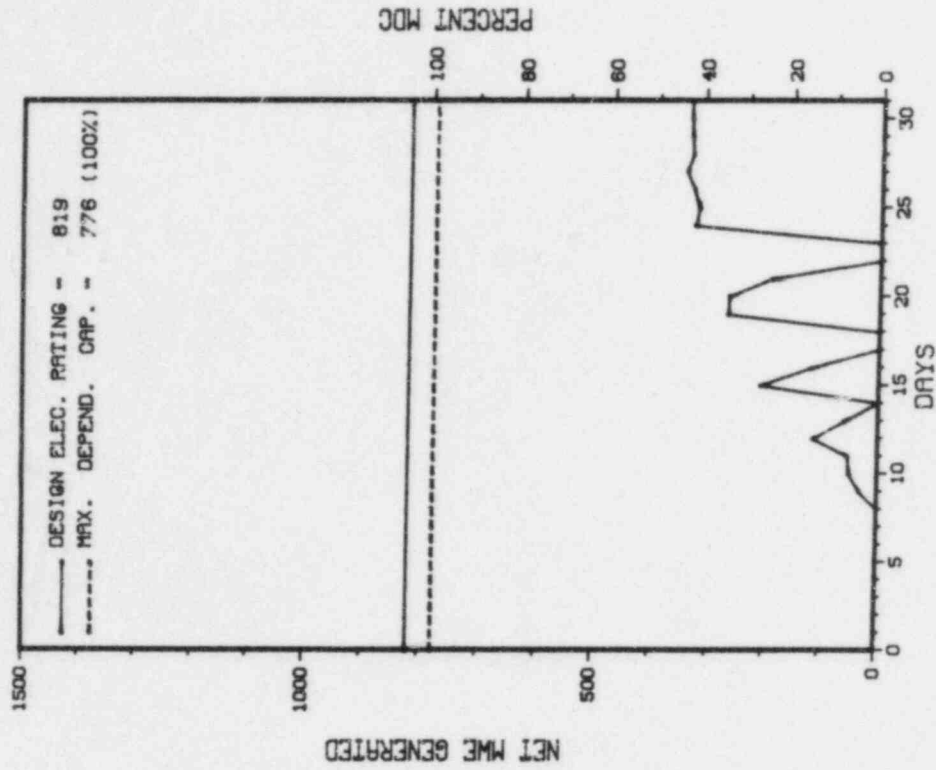
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	745.0	7,296.0	97,873.0
13. Hours Reactor Critical	632.8	632.8	32,364.6
14. Rx Reserve Shtdwn Hrs	32.7	32.7	872.2
15. Hrs Generator On-Line	409.0	409.0	31,589.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MMH)	419,796	419,796	76,950,867
18. Gross Elec Ener (MMH)	117,180	117,180	25,601,510
19. Net Elec Ener (MMH)	87,556	87,556	23,927,609
20. Unit Service Factor	54.9	5.6	32.3
21. Unit Avail Factor	54.9	5.6	32.3
22. Unit Cap Factor (MDC Net)	15.1	1.5	31.3*
23. Unit Cap Factor (DER Net)	14.3	1.5	29.9
24. Unit Forced Outage Rate	41.3	94.4	65.1
25. Forced Outage Hours	288.0	6,839.0	58,748.5
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	EDDY CURRENT OUTAGE; 3/22/86; 35 DAYS		

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

 * THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * THREE MILE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0	02/19/79	F	204.0	D	4		ZZ	ZZZZZZ	REGULATORY RESTRAINT ORDER CONCLUDES.
1	10/13/85	F	10.0	A	1		HA	PIPE A	STEAM DRAIN LINE LEAK.
2	10/14/85	F	20.0	A	1		HA	PIPE A	STEAM DRAIN LINE LEAK.
3	10/16/85	F	10.0	A	1		HA	PIPE A	STEAM DRAIN LINE LEAK.
4	10/17/85	F	44.0	A	1		HA	PIPE A	STEAM DRAIN LINE LEAK.
5	10/21/85	S	48.0	B	3		IA	INSTRU	REACTOR TRIP TESTING.

 * SUMMARY *

 THREE MILE ISLAND 1 RETURNED ONLINE TO THE POWER GRID ON OCTOBER 9, 1985 AND OPERATED ROUTINELY WITH 5 OUTAGES DURING THE REMAINDER OF OCTOBER.

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

* THREE MILE ISLAND 1 *

FACILITY DATA

Report Period OCT 1985

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. THOMA
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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-07	09/24/85	S	9.8	G	4	85-12	HG	VALVOP	REACTOR TRIP DUE TO LO-LO STEAM GENERATOR LEVEL IN THE 'D' STEAM GENERATOR. EVENT WAS INITIATED BY FLOW OSCILLATIONS IN THE CONDENSATE DEMINERALIZERS AFTER WORKING ON THE 'E' DEMINERALIZER OUTLET VALVE. THE FLOW OSCILLATIONS LED TO A LOW SUCTION PRESSURE TRIP OF THE SOUTH MAIN FEED WATER PUMP.
85-08	10/07/85	F	0.0	A	5		HH	VALVOP	REACTOR POWER WAS REDUCED FROM 100% TO 45% DUE TO A DIAPHRAGM AIR LEAK ON NO. 4 FEEDWATER REGULATING VALVE. THE DIAPHRAGM WAS REPLACED AND THE PLANT RETURNED TO 100%.

***** TROJAN OPERATED ROUTINELY IN OCTOBER.
 * SUMMARY *

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

*****~*****
* TROJAN *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON
COUNTY.....COLUMBIA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...32 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...COOLING TOWER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC
CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....S. RICHARDS
LICENSING PROJ MANAGER.....L. LAZO
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

INSPECTION SUMMARY

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

+ INSPECTION ON AUGUST 9-16, 1985 (REPORT NO. 50-344/85-25) AREAS INSPECTED: FIVE INSPECTORS FROM THE VENDOR PROGRAM BRANCH, OFFICE OF INSPECTION AND ENFORCEMENT CONDUCTED AN ANNOUNCED INSPECTION OF THE EFFECTIVENESS OF THE INFORMATION EXCHANGE BETWEEN VENDORS OF SAFETY-RELATED EQUIPMENT AND THE LICENSEE. THE LICENSEE'S PROGRAM FOR RECEIPT, EVALUATION, AND IMPLEMENTATION OF ACTIONS DETERMINED APPROPRIATE FOR VENDOR TECHNICAL INFORMATION WAS REVIEWED. SAFETY-RELATED PURCHASE ORDERS WERE REVIEWED TO ASCERTAIN WHETHER THEY CONTAINED APPROPRIATE QUALITY AND TECHNICAL REQUIREMENTS. THE INSPECTION INVOLVED 183 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS AND ONE CONSULTANT.

RESULTS: OF THE AREAS INSPECTED, TWO POTENTIAL VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED. POTENTIAL DEFICIENCIES WERE IDENTIFIED IN THE AREAS OF PROCUREMENT OF SAFETY-RELATED EQUIPMENT AND COMPONENTS, AND IMPLEMENTATION OF AN EFFECTIVE PART 21 REPORTING SYSTEM. IN ADDITION, WEAKNESSES WERE NOTED IN THE AREAS OF VENDOR INTERFACE AND CONTROL OF POST MODIFICATION TESTING.

+ INSPECTION ON AUGUST 26 - SEPTEMBER 23, 1985 (REPORT NO. 50-344/85-27) AREAS INSPECTED: INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ACCESS CONTROL; DETECTION AIDS; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW; AND FOLLOWUP ON PAST INSPECTION ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 35 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 14-18, 1985 (REPORT NO. 50-344/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 9-27, 1985 (REPORT NO. 50-344/85-30) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE REQUALIFICATION TRAINING PROGRAM, FACILITY MODIFICATION PROGRAM, QA PROGRAM - ANNUAL REVIEW, IMPLEMENTATION - AUDIT PROGRAM, AUDIT PROGRAM, AND FOLLOWUP CLOSURE OF OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 72 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 9-27, 1985 (REPORT NO. 50-344/85-31) AREAS INSPECTED: CONFIRMATORY SPLIT SAMPLE MEASUREMENTS OF GAMMA EMITTING RADIONUCLIDES IN GAS, LIQUID, CHARCOAL AND PARTICULATE SAMPLES. LABORATORY CAPABILITY FOR PERFORMING TRACE ELEMENT ANALYSIS (IN THE PARTS PER TRILLION RANGE) WAS ALSO REVIEWED. THE INSPECTION INVOLVED 54 INSPECTOR-HOURS ONSITE AND SIX INSPECTOR-HOURS OFFSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 31 - OCTOBER 2, 1985 (REPORT NO. 50-344/85-32) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, IMPLEMENTATION OF THE FIRE PROTECTION PROGRAM, REVIEW OF THE PROGRAMS FOR SURVEILLANCE OF CORE POWER DISTRIBUTION LIMITS AND CORE THERMAL POWER, COMPRESSION FITTING FOLLOWUP, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, AND INSPECTION OF VARIOUS ASPECTS OF PLANT OPERATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 170 INSPECTOR-HOURS ONSITE BY THE RESIDENT NRC INSPECTORS.

RESULTS: ONE VIOLATION WAS IDENTIFIED CONCERNING CALIBRATION OF THE PRESSURIZER PRESSURE INSTRUMENTS.

+ INSPECTION ON DECEMBER 2-13, 1985 (REPORT NO. 50-344/85-33) INSPECTION TO BE COMPLETED IN DECEMBER 1985.

+ INSPECTION ON OCTOBER 3-31, 1985 (REPORT NO. 50-344/85-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON NOVEMBER 1, 1984 - JANUARY 22, 1986 (REPORT NO. 50-344/85-35) INSPECTION CONTINUING - TO BE REPORTED IN JANUARY 1986.

+ INSPECTION ON OCTOBER 21-25, 1985 (REPORT NO. 50-344/85-36) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE INSTRUMENT MAINTENANCE PROGRAM, ELECTRICAL MAINTENANCE PROGRAM, AND FOLLOWUP CLOSURE OF OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE AREAS INSPECTED, ONE VIOLATION FROM NRC REQUIREMENTS WAS IDENTIFIED. THE MAJOR WEAKNESSES IDENTIFIED WERE: (1) THE INADEQUATE DOCUMENTATION OF POWER RANGE SETPOINT TESTS; AND (2) THE INADEQUATE DOCUMENTATION OF THE REQUIRED TEST EQUIPMENT TYPE USED IN SEVERAL SURVEILLANCE TESTS.

+ INSPECTION ON NOVEMBER 4-8, 1985 (REPORT NO. 50-344/85-37) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 30-31, 1985 (REPORT NO. 50-344/85-38) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

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1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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

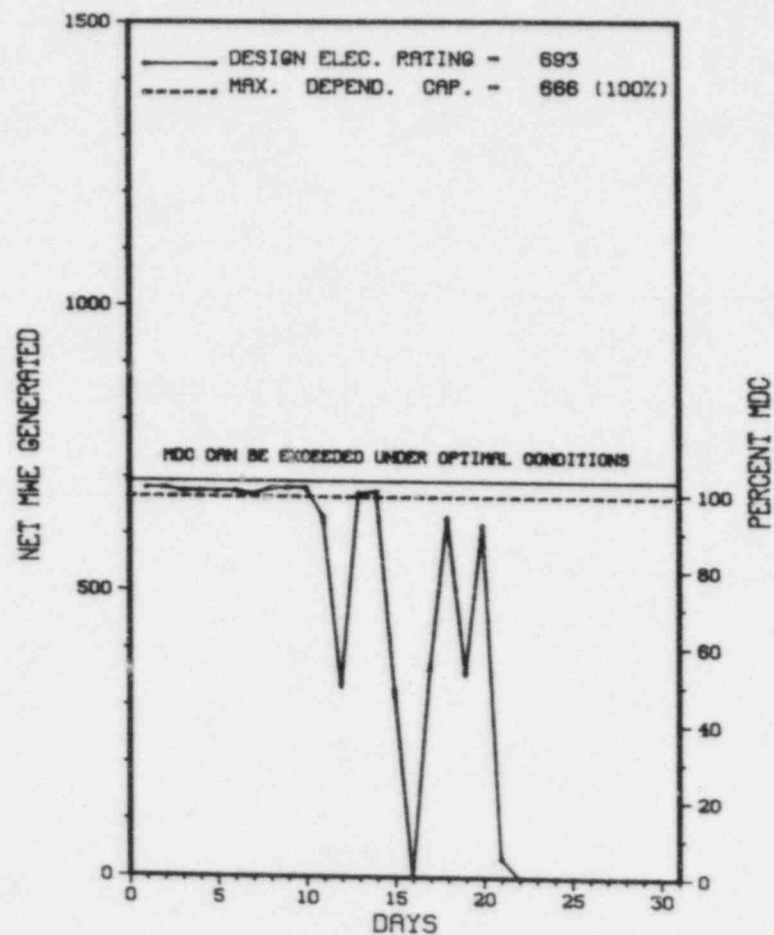
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>113,145.6</u>
13. Hours Reactor Critical	<u>451.0</u>	<u>4,183.7</u>	<u>79,575.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>846.3</u>
15. Hrs Generator On-Line	<u>447.6</u>	<u>4,031.9</u>	<u>77,211.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>906,410</u>	<u>8,547,138</u>	<u>159,676,649</u>
18. Gross Elec Ener (MWH)	<u>289,540</u>	<u>2,786,980</u>	<u>51,042,675</u>
19. Net Elec Ener (MWH)	<u>272,373</u>	<u>2,627,000</u>	<u>48,324,206</u>
20. Unit Service Factor	<u>60.1</u>	<u>55.3</u>	<u>68.2</u>
21. Unit Avail Factor	<u>60.1</u>	<u>55.3</u>	<u>68.3</u>
22. Unit Cap Factor (MDC Net)	<u>54.9</u>	<u>54.1</u>	<u>65.7*</u>
23. Unit Cap Factor (DER Net)	<u>52.8</u>	<u>52.0</u>	<u>61.6</u>
24. Unit Forced Outage Rate	<u>39.9</u>	<u>13.5</u>	<u>6.4</u>
25. Forced Outage Hours	<u>297.4</u>	<u>628.0</u>	<u>4,766.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>11/06/85</u>			

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 3



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	10/11/85	S	0.0	H	5		EB	TRANSF	POWER WAS REDUCED TO BELOW 50% TO TAKE A STARTUP TRANSFORMER OUT OF SERVICE FOR SWITCHYARD MODIFICATIONS.
16	10/15/85	F	42.6	G	3	250-85-032	HA	RELAYX	PROTECTIVE RELAYS TRIPPED THE GENERATOR RESULTING IN A TURBINE/REACTOR TRIP. THE MOST PROBABLE CAUSE OF THE RELAY ACTUATION WAS ACCIDENTAL JARRING OF THE RELAYS. THE UNIT WAS TAKEN TO HOT SHUTDOWN DUE TO AN AFW PUMP BEING OUT OF SERVICE FOR MAINTENANCE.
17	10/18/85	S	0.0	H	5		EB	TRANSF	POWER WAS REDUCED TO BELOW 50% TO TAKE A STARTUP TRANSFORMER OUT OF SERVICE FOR SWITCHYARD MODIFICATIONS.
18	10/21/85	F	254.8	B	1		HC	HTEXCH	FOLLOWING A POWER REDUCTION FOR SECONDARY CHEMISTRY CONTROL, THE UNIT WAS SHUTDOWN TO REPLACE A CONDENSER BOOT SEAL AND TO ALIGN REACTOR COOLANT PUMP MOTORS.

 * SUMMARY *

TURKEY POINT 3 INCURRED 2 OUTAGES AND 2 POWER REDUCTIONS IN OCTOBER 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)

* TURKEY POINT 3 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 20, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972
DATE COMMERCIAL OPERATE...DECEMBER 14, 1972
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. PEBBLES
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-250
LICENSE & DATE ISSUANCE...DPR-31, JULY 19, 1972
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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 JULY 8 - AUGUST 19 (85-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 130 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 33.5 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS (LER), INSPECTION AND ENFORCEMENT BULLETIN (IEB) FOLLOWUP, ANNUAL/MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURES (ESF) WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. VIOLATION - FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION (TS) 6.8.1, FOUR EXAMPLES; FAILURE TO MEET THE REQUIREMENTS OF TS 6.8.3; AND FAILURE TO MEET THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION XVI.

INSPECTION AUGUST 19-21 (85-29): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 4.5 INSPECTOR-HOURS ONSITE AND AT THE GENERAL OFFICE IN THE AREAS OF EMERGENCY PREPAREDNESS, EMERGENCY RESPONSE FACILITIES, NRC RESPONSE TEAM COORDINATION, AND NRC HURRICANE RESPONSE EQUIPMENT, COORDINATION AND PROCEDURES. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 23-27 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ONSITE IN THE AREAS OF AUDITS AND SURVEILLANCES, RADIOACTIVE EFFLUENT RELEASES, REACTOR COOLANT QUALITY, FILTER TESTING, AND THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period OCT 1985

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

* TURKEY POINT 3 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: SEPTEMBER 23-27, 1985 +

INSPECTION REPORT NO: 50-250/85-31 +

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
85-018	07/16/85	08/15/85	REACTOR PROTECTION SYSTEM ACTUATION - REACTOR TRIP INVESTIGATIONS COULD NOT REVEAL ANY APPARENT ROOT CAUSE.
85-025	08/30/85	09/30/85	APPENDIX "R" SAFE SHUTDOWN REVIEW FPL WILL PROVIDE A REPORT TO THE NRC.
85-026	09/11/85	10/11/85	T.S.-CHEMICAL AND VOLUME CNTL SYSTEM, A T.S. REVISION WILL BE PREPARED TO PROVIDE A REASONABLE AMOUNT OF TIME TO CORRECT THE BORON CONCENTRATION.

=====

1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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

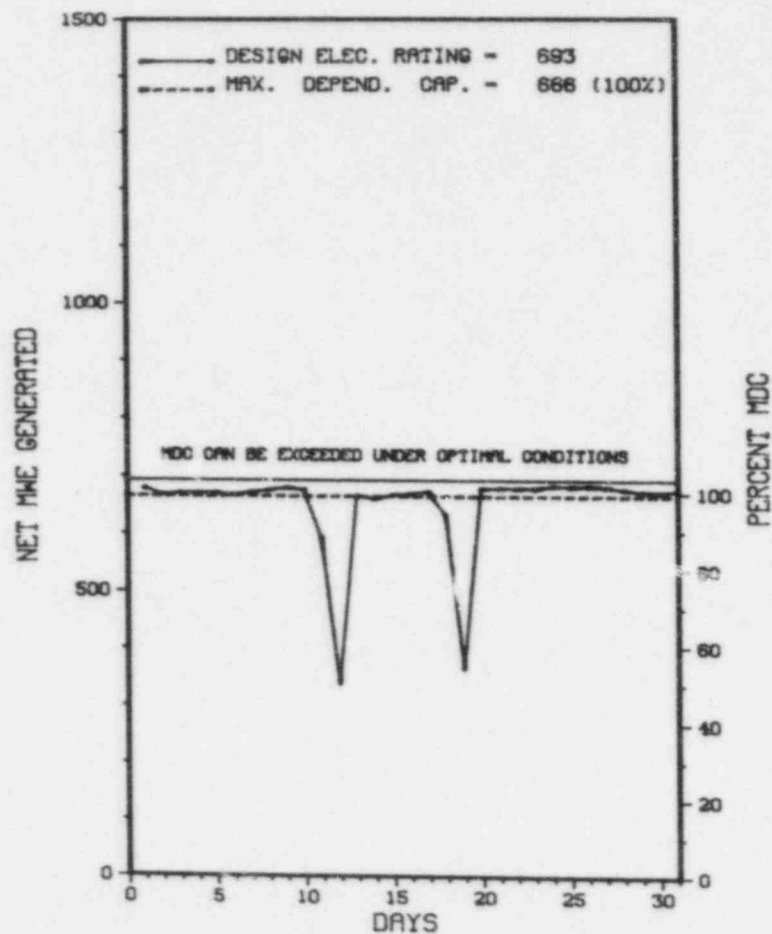
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>106,873.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,636.4</u>	<u>76,355.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,587.2</u>	<u>73,834.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,582,133</u>	<u>14,133,584</u>	<u>156,272,690</u>
18. Gross Elec Ener (MWH)	<u>502,342</u>	<u>4,546,575</u>	<u>49,739,052</u>
19. Net Elec Ener (MWH)	<u>484,462</u>	<u>4,318,829</u>	<u>47,105,159</u>
20. Unit Service Factor	<u>100.0</u>	<u>90.3</u>	<u>69.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>51.1</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>88.9</u>	<u>67.8*</u>
23. Unit Cap Factor (DER Net)	<u>93.8</u>	<u>85.4</u>	<u>63.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>6.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>590.4</u>	<u>4,628.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING 1/86, 11 TO 12 WEEKS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
20	10/11/85	S	0.0	H	5		EB	TRANSF	POWER WAS REDUCED TO BELOW 50% TO TAKE A STARTUP TRANSFORMER OUT OF SERVICE FOR SWITCHYARD MODIFICATIONS.
21	10/18/85	S	0.0	H	5		EB	TRANSF	POWER WAS REDUCED TO BELOW 50% TO TAKE A STARTUP TRANSFORMER OUT OF SERVICE FOR SWITCHYARD MODIFICATIONS.

 * SUMMARY *

 TURKEY POINT 4 OPERATED ROUTINELY IN OCTOBER.

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

* TURKEY POINT 4 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 11, 1973
DATE ELEC ENER 1ST GENER...JUNE 21, 1973
DATE COMMERCIAL OPERATE....SEPTEMBER 7, 1973
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. PEBBLES
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 JULY 8 - AUGUST 19 (85-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 130 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 33.5 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS (LER), INSPECTION AND ENFORCEMENT BULLETIN (IEB) FOLLOWUP, ANNUAL/MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURES (ESF) WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. VIOLATION - FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION (TS) 6.8.1, FOUR EXAMPLES; FAILURE TO MEET THE REQUIREMENTS OF TS 6.8.3; AND FAILURE TO MEET THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION XVI.

INSPECTION AUGUST 19-21 (85-29): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 4.5 INSPECTOR-HOURS ONSITE AND AT THE GENERAL OFFICE IN THE AREAS OF EMERGENCY PREPAREDNESS, EMERGENCY RESPONSE FACILITIES, NRC RESPONSE TEAM COORDINATION, AND NRC HURRICANE RESPONSE EQUIPMENT, COORDINATION AND PROCEDURES. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 23-27 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ONSITE IN THE AREAS OF AUDITS AND SURVEILLANCES, RADIOACTIVE EFFLUENT RELEASES, REACTOR COOLANT QUALITY, FILTER TESTING, AND THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: SEPTEMBER 23-27, 1985 +

INSPECTION REPORT NO: 50-251/85-31 +

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
85-021	08/20/85	09/19/85	REACTOR PROTECTION SYSTEM ACTUATION THE FIRST ROD DROP SHORTED STATIONARY GRIPPER COIL IN THE CONTROL ROD DRIVE THE 2ND ROD FROM A BAD ELECTRICAL CONNECTION.

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1. Docket: 50-271 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>114,938.8</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,297.2</u>	<u>93,110.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,288.3</u>	<u>90,718.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>9,550,619</u>	<u>132,109,618</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,166,154</u>	<u>43,955,902</u>
19. Net Ele: Ener (MWH)	<u>0</u>	<u>2,999,402</u>	<u>41,700,250</u>
20. Unit Service Factor	<u>.0</u>	<u>86.2</u>	<u>78.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>86.2</u>	<u>78.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>81.6</u>	<u>72.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>80.0</u>	<u>70.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>6.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>20.4</u>	<u>5,466.6</u>

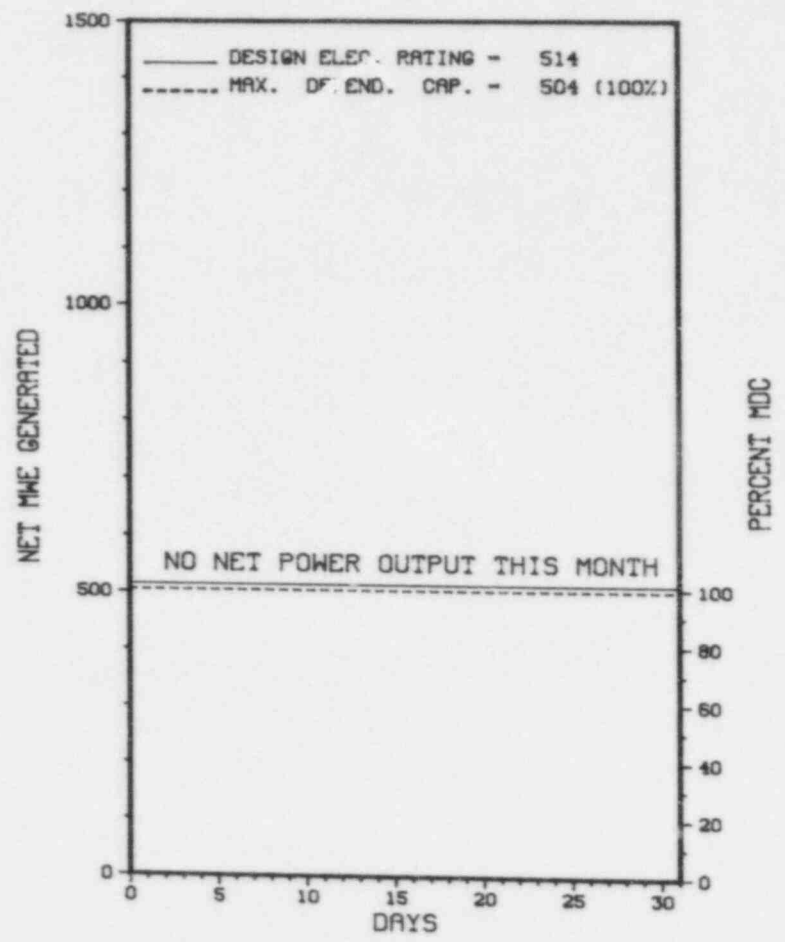
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/03/86

* V E R M O N T Y A N K E E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-14	09/20/85	S	745.0	C	4		RC	FUELXX	1985 REFUELING/MAINTENANCE/RECIRC PIPE REPLACEMENT OUTAGE IN PROGRESS.

***** VERMONT YANKEE REMAINS SHUT DOWN FOR REFUELING, MAINTENANCE, AND PIPE REPLACEMENT.
* SUMMARY *

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

* VERMONT YANKEE 1 *

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

Report Period OCT 1985

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.....50-274
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.

1. Docket: 50-397 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486
4. Licensed Thermal Power (MWT): 3323
5. Nameplate Rating (Gross MWe): 1201
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1140
8. Maximum Dependable Capacity (Net MWe): 1095
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): 800
11. Reasons for Restrictions, If Any: _____

"B" RRC PUMP INOPERABLE.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>7,736.2</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,536.1</u>	<u>5,952.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1,029.9</u>	<u>1,029.9</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,290.0</u>	<u>5,688.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1,046.9</u>	<u>1,046.9</u>
17. Gross Therm Ener (MWH)	<u>1,785,984</u>	<u>13,232,887</u>	<u>14,446,515</u>
18. Gross Elec Ener (MWH)	<u>596,560</u>	<u>4,377,350</u>	<u>4,804,280</u>
19. Net Elec Ener (MWH)	<u>573,272</u>	<u>4,196,535</u>	<u>4,606,921</u>
20. Unit Service Factor	<u>100.0</u>	<u>72.5</u>	<u>73.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.9</u>	<u>87.1</u>
22. Unit Cap Factor (MDC Net)	<u>70.3</u>	<u>52.2</u>	<u>54.4</u>
23. Unit Cap Factor (DER Net)	<u>70.0</u>	<u>52.3</u>	<u>54.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.7</u>	<u>10.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>630.9</u>	<u>672.6</u>

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

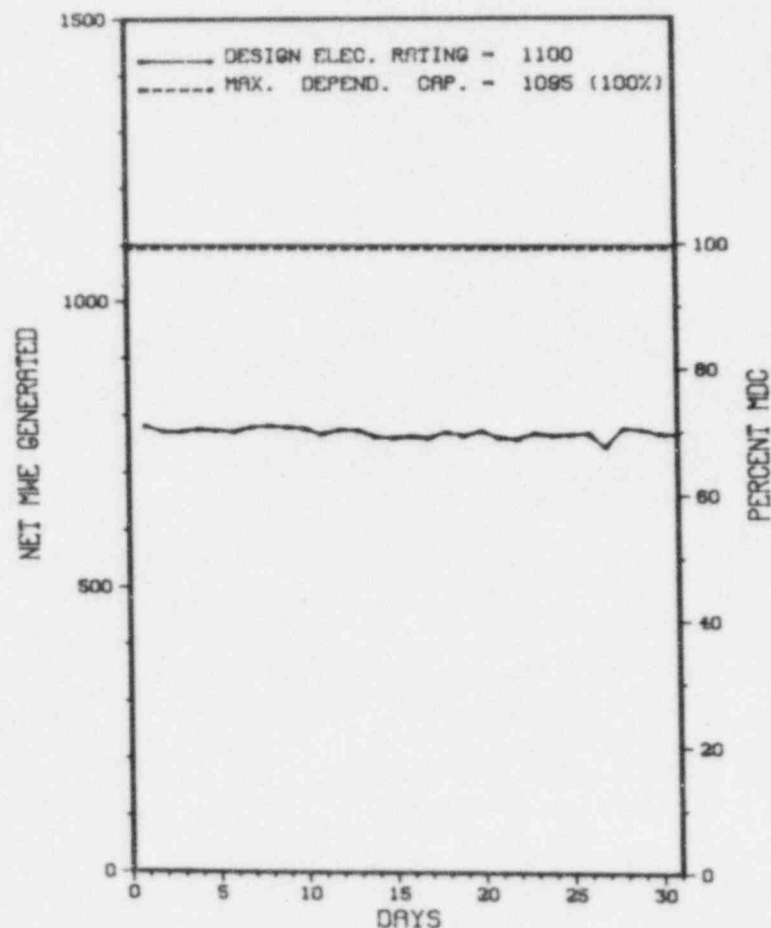
MAINTENANCE OUTAGE 4/15/86 FOR 60 DAYS

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

 * WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

* WASHINGTON NUCLEAR 2 *

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

* SUMMARY *

WNP-2 OPERATED AT A REDUCED POWER LEVEL DURING THE ENTIRE MONTH WITH NO SHUTDOWNS.

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

X WASHINGTON NUCLEAR 2 X

FACILITY DATA

Report Period OCT 1985

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...DECEMBER 13, 1984
CONDENSER COGLING 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.....A. TOTH
LICENSING PROJ MANAGER.....J. BRADFUTE
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 SEPTEMBER 9-13, 1985 (REPORT NO. 50-397/85-26) AREAS INSPECTED: ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE AND ASSOCIATED CRITIQUE; FOLLOWUP ON OPEN ITEMS IDENTIFIED DURING PREVIOUS INSPECTIONS; FOLLOWUP ON AN IE INFORMATION NOTICE; AND FOLLOWUP ON CORRECTIVE ACTIONS RESULTING FROM PREVIOUS EXERCISES/DRILLS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 164 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONTRACTOR TEAM MEMBERS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON OCTOBER 7 - NOVEMBER 1, 1985 (REPORT NO. 50-397/85-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 1-27, 1985 (REPORT NO. 50-397/85-32) AREAS INSPECTED: ROUTINE INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, LICENSEE EVENT REPORTS, SPECIAL INSPECTION TOPICS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 113 INSPECTOR-HOURS ONSITE BY TWO RESIDENT NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON SEPTEMBER 9 - OCTOBER 9, 1985 (REPORT NO. 50-397/85-33) AREAS INSPECTED: RECORDS AND REPORTS; TESTING AND MAINTENANCE; SECURITY SYSTEM POWER SUPPLY; DETECTION AIDS; SAFETY/SECURITY INTERFACE, AND FOLLOWUP ON INSPECTOR IDENTIFIED

Report Period OCT 1985

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

* WASHINGTON NUCLEAR 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-01-L0	01-11-85	01-15-85	NONCONSERVATIVE ASSUMPTIONS USED IN REACTOR BUILDING ENVIRONMENTAL PROFILE CALCULATIONS
85-02-L0	01-01-85	01-17-85	REACTOR TRIP DUE TO FAILURE IN BPAS ASHE SUBSTATION
85-03-L0	01-25-85	01-31-85	BPA ASHE SUBSTATION CAUSES REACTOR TRIP
85-04-L0	01-16-85	01-31-85	FIRE PUMP BATTERY SURVEILLANCE
85-05-L0	01-17-85	02-15-85	OPERATOR ERROR - TRIPPED REACTOR USING APRM
85-06-L0	01-17-85	02-11-85	OPERATOR ERROR - TRIPPED REACTOR USING RPS
85-07-L0	01-31-85	02-25-85	REACTOR TRIP AND ECCS ACTUATION
85-08-L0	01-31-85	02-27-85	STANDBY DIESEL GENERATORS DID NOT REACH REQUIRED VOLTAGE
85-11-L0	02-03-85	02-28-85	HIGH CYCLE FATIGUE - SOCKET WELDS
85-13-L0	02-14-85	03-08-85	REACTOR TRIP DUE TO OPERATOR ERROR ON APRM TESTING
85-14-L0	02-14-85	03-14-85	REACTOR TRIP DUE TO TURBINE BPV CLOSURE ON HI VACUUM INTERLOCK
85-15-L0	02-13-85	03-14-85	FIRE DETECTOR REMOVED
85-16-L0	02-13-85	03-14-85	IMPROPER OPERATION OF D/P DETECTOR VALVES RESULTED IN LEVEL SENSED ACTUATIONS
85-17-L0	02-14-85	03-08-85	RWCU ISOLATION
85-18-L0	02-24-85	03-14-85	HIGH CONTAINMENT TEMPERATURE
85-19-L0	02-16-85	03-14-85	PROCEDURE DEVIATION CAUSED TECHNICAL SPECIFICATIONS NOT TO BE FOLLOWED
85-20-L0	02-27-85	03-28-85	BYPASS VALVES AROUND CONTAINMENT ISOLATION VALVES NOT SHUT
85-21-L0	03-07-85	03-28-85	UNPLANNED ESF ACTUATION
85-22-L0	- -	- -	HPCS INOPERABLE WHILE REPLACING BULBS

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1. Docket: 50-382 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0
3. Utility Contact: GEORGE MILLER (504) 467-8211
4. Licensed Thermal Power (Mwt): 3410
5. Nameplate Rating (Gross MWe): 1153
6. Design Electrical Rating (Net MWe): 1104
7. Maximum Dependable Capacity (Gross MWe): 1104
8. Maximum Dependable Capacity (Net MWe): 1104
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>745.0</u>	<u>913.0</u>	<u>913.0</u>
13. Hours Reactor Critical	<u>537.3</u>	<u>686.6</u>	<u>686.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>508.2</u>	<u>640.9</u>	<u>640.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,581,557</u>	<u>1,899,146</u>	<u>1,899,146</u>
18. Gross Elec Ener (MWH)	<u>526,590</u>	<u>638,460</u>	<u>638,460</u>
19. Net Elec Ener (MWH)	<u>500,935</u>	<u>606,121</u>	<u>606,121</u>
20. Unit Service Factor	<u>68.2</u>	<u>70.2</u>	<u>70.2</u>
21. Unit Avail Factor	<u>68.2</u>	<u>70.2</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>60.9</u>	<u>60.1</u>	<u>60.1</u>
23. Unit Cap Factor (DER Net)	<u>60.9</u>	<u>60.1</u>	<u>60.1</u>
24. Unit Forced Outage Rate	<u>31.8</u>	<u>29.8</u>	<u>29.8</u>
25. Forced Outage Hours	<u>236.8</u>	<u>272.1</u>	<u>272.1</u>

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

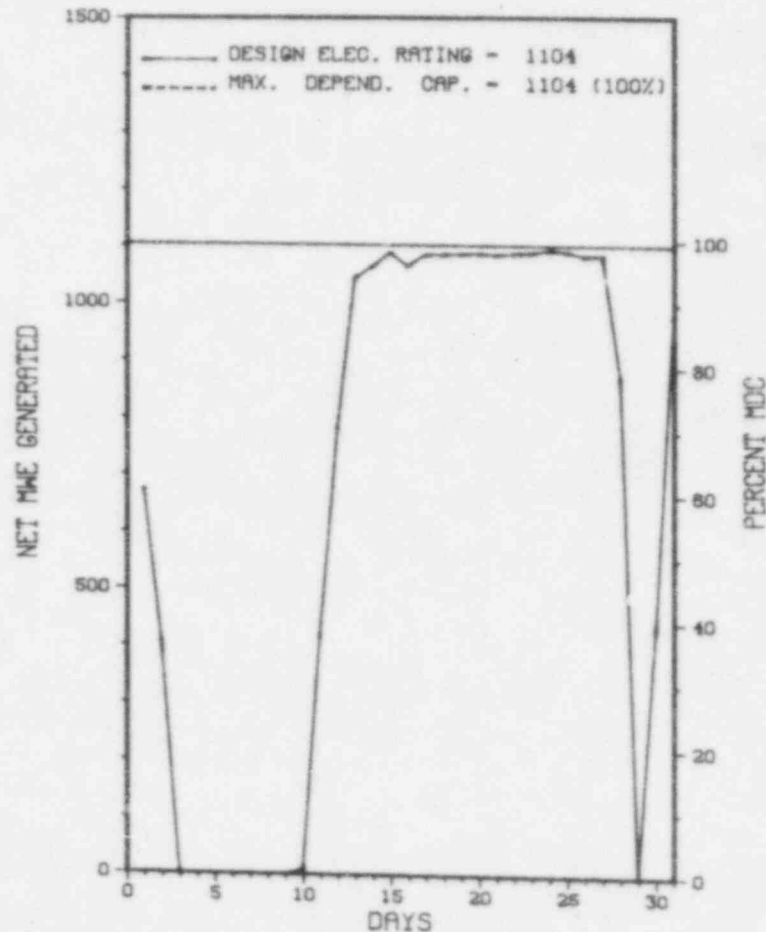
TECH. SPEC. SURVEILLANCE: 03/86 - 1 MONTH

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

 * WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

 * WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-020	10/02/85	F	205.0	A	3	85-041	JB	FT	AT 100% POWER, A REACTOR TRIP OCCURRED ON LOW STEAM GENERATOR LEVEL RESULTING FROM A FEEDWATER PUMP TRIP DUE TO A FAILURE IN THE FEEDWATER CONTROL SYSTEM. UNIT REMAINED SHUTDOWN TO REPLACE REACTOR COOLANT PUMP SEALS.
85-021	10/28/85	F	31.8	H	3	85-048	JK	ZZZZ	AT 100% POWER, A REACTOR TRIP OCCURRED RESULTING FROM AN AUXILIARY HIGH PRESSURIZER PRESSURE TRIP GENERATED BY THE CORE PROTECTION CALCULATORS. THIS TRIP WAS A RESULT OF A STEAM LEAK WHICH CAUSED WATER FROM THE FIRE PROTECTION DELUGE SYSTEM TO ENTER THE FEEDWATER PUMP CONTROL SYSTEM CAUSING A FEEDWATER PUMP TRIP.

***** WATERFORD 3 EXPERIENCED 2 OUTAGES IN OCTOBER AS DETAILED 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)

* WATERFORD 3 *

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA
COUNTY.....ST CHARLES
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI W OF
NEW ORLEANS, LA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 4, 1985
DATE ELEC ENER 1ST GENER...MARCH 18, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....LOUISIANA POWER & LIGHT
CORPORATE ADDRESS.....142 DELARONDE STREET
NEW ORLEANS, LOUISIANA 70174
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....J. LUEHMAN
LICENSING PROJ MANAGER.....J. WILSON
DOCKET NUMBER.....50-382
LICENSE & DATE ISSUANCE...NPF-38, MARCH 16, 1985
PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
LOUISIANA COLLECTION
EARL K. LONG LIBRARY
UNIVERSITY OF NEW ORLEANS
LAKEFRONT DRIVE
NEW ORLEANS, LOUISIANA 70148

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

INSPECTION SUMMARY

INSPECTION CONDUCTED AUGUST 1 THROUGH SEPTEMBER 30, 1985 (85-24) ROUTINE, ANNOUNCED INSPECTION OF; (1) PHASE III TEST WITNESSING, (2) AREAS INSPECTED; ROUTINE, ANNOUNCED INSPECTION OF; (1) OPERATIONALL SAFETY VERIFICATION, (2) MONTHLY SURVEILLANCE OBSERVATION, (3) MONTHLY MAINTENANCE OBSERVATION, AND (4) IE BULLETIN FOLLOWUP INSPECTION. THE INSPECTION INVOLVED 270 INSPECTOR-HOURS ONSITE BY 3 NRC INSPECTORS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. INSPECTION CONDUCTED AUGUST 26-29, 1985 (85-21)

AREAS INSPECTED; ROUTINE UNANNOUNCED INSPECTION OF PORTIONS OF THE LICENSEE RADIATION PROTECTION (RP) PROGRAM INCLUDING MANAGEMENT CONTROLS, EXTERNAL RADIATION EXPOSURE CONTROLS, INTERNAL DOSIMETRY, RESPIRATORY PROTECTION PROGRAM, RADIATION PROTECTION FACILITIES, RADIOACTIVE MATERIAL AND CONTAMINATION CONTROL ACTIVITIES, AND WITH THE RADIATION PROTECTION ACTIVITIES ASSOCIATED WITH PLUGGING AND AND STAKING OF STEAM GENERATOR TUBES. THE INSPECTION INVOLVED 67 INSPECTOR-HOURS ONSITE AND 14 INSPECTOR-HOURS OFFSITE BY TWO NRC INSPECTORS. RESULTS; WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-482 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: M. WILLIAMS (316) 364-8831

4. Licensed Thermal Power (Mht): 3411

5. Nameplate Rating (Gross MWe): 1250

6. Design Electrical Rating (Net MWe): 1170

7. Maximum Dependable Capacity (Gross MWe): 1170

8. Maximum Dependable Capacity (Net MWe): 1128

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>745.0</u>	<u>1,415.7</u>	<u>1,415.7</u>
13. Hours Reactor Critical	<u>675.3</u>	<u>1,326.3</u>	<u>1,326.3</u>
14. Rx Reserve Sntdwn Hrs	<u>69.7</u>	<u>78.7</u>	<u>78.7</u>
15. Hrs Generator On-Line	<u>665.9</u>	<u>1,307.6</u>	<u>1,307.6</u>
16. Unit Reserve Shtdwn Hrs	<u>19.0</u>	<u>19.0</u>	<u>19.0</u>
17. Gross Therm Ener (MWH)	<u>2,086,772</u>	<u>4,139,795</u>	<u>4,139,795</u>
18. Gross Elec Ener (MWH)	<u>716,052</u>	<u>1,416,889</u>	<u>1,416,889</u>
19. Net Elec Ener (MWH)	<u>683,791</u>	<u>1,354,242</u>	<u>1,354,242</u>
20. Unit Service Factor	<u>89.4</u>	<u>92.4</u>	<u>92.4</u>
21. Unit Avail Factor	<u>91.9</u>	<u>93.7</u>	<u>93.7</u>
22. Unit Cap Factor (MDC Net)	<u>81.4</u>	<u>84.8</u>	<u>55.4*</u>
23. Unit Cap Factor (DER Net)	<u>78.4</u>	<u>81.8</u>	<u>81.8</u>
24. Unit Forced Outage Rate	<u>10.6</u>	<u>7.6</u>	<u>7.6</u>
25. Forced Outage Hours	<u>79.1</u>	<u>108.1</u>	<u>108.1</u>

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

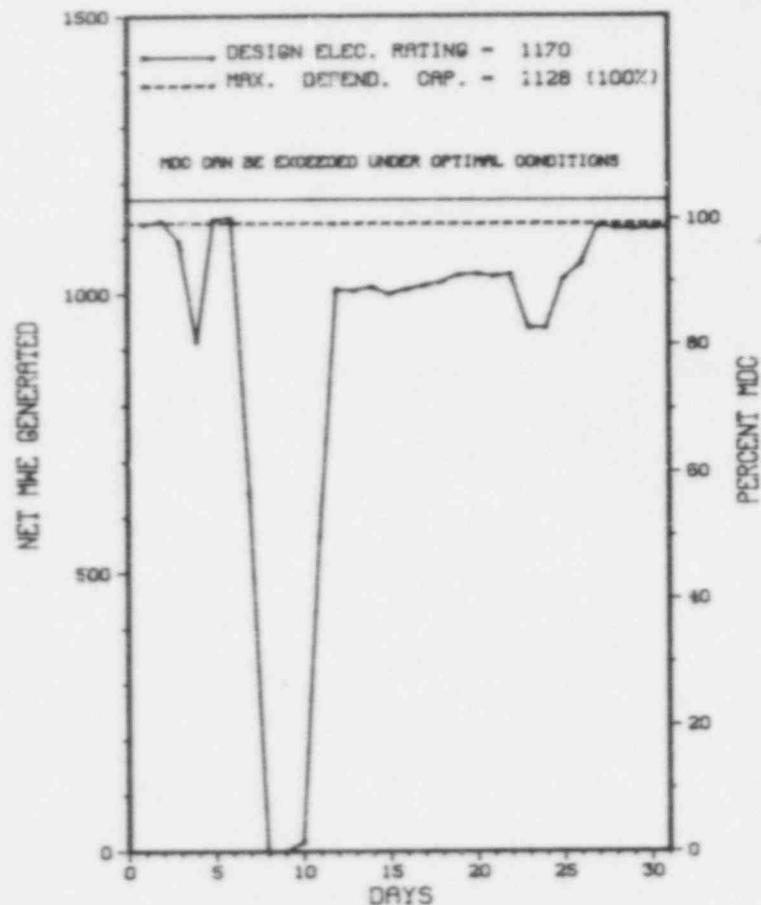
NONE

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

 * WOLF CREEK : *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * WOLF CREEK 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
20	10/07/85	F	60.0	H	2				UNIT WAS MANUALLY TRIPPED DUE TO REDUCED CIRCULATING WATER FLOW CAUSED BY A BUILDUP OF PLANT MATERIAL ON THE CIRCULATING WATER TRAVELING SCREENS.
21	10/10/85	F	19.1	G	3				UNIT TRIP DUE TO STEAM GENERATOR LEVEL SWINGS WHILE INCREASING UNIT POWER.

XXXXXXXXXXXX WOLF CREEK OPERATED ROUTINELY IN OCTOBER WITH 2 OUTAGES REPORTED.
 X SUMMARY X
 XXXXXXXXXXXX

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

X WOLF CREEK 1 X

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....KANSAS
COUNTY.....COFFEY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3.5 MI NE OF
BURLINGTON, KAN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 22, 1985
DATE ELEC ENER 1ST GENER...JUNE 12, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD ..COOLING LAKE
CONDENSER COOLING WATER...COOLING LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....KANSAS GAS & ELECTRIC
CORPORATE ADDRESS.....P.O. BOX 208
WICHITA, KANSAS 67201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....J. CUMMINS
LICENSING PROJ MANAGER....P. OCONNOR
DOCKET NUMBER.....50-482
LICENSE & DATE ISSUANCE...NPF-42, JUNE 4, 1985
PUBLIC DOCUMENT ROOM.....WILLIAM ALLAN WHITE LIBRARY
GOVERNMENT DOCUMENTS DIVISION
EMPORIA STATE UNIVERSITY
1200 COMMERCIAL STREET
EMPORIA, KANSAS 66801

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

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

Report Period OCT 1985

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

XX
X WOLF CREEK 1 X
XX

INFO. NOT SUPPLIED BY REGION

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

LAST IE SITE INSPECTION DATE: INFO. NOT SUPPLIED BY REGION

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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INFO. NOT SUPPLIED BY REGION

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1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (Mwt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

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

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

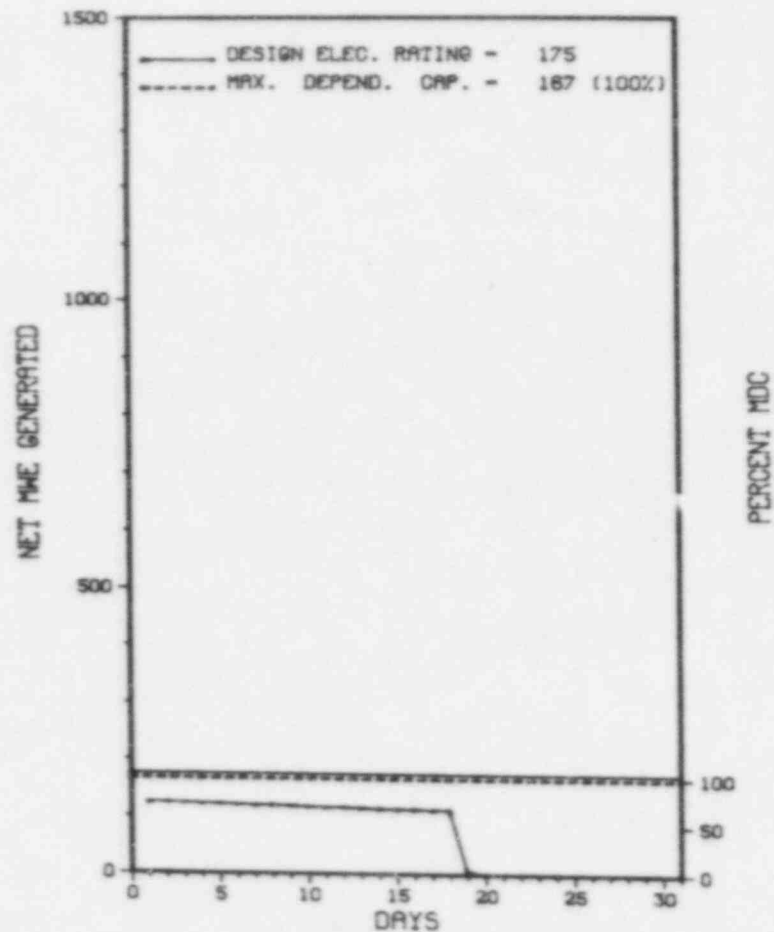
11. Reasons for Restrictions, If Any: _____
NONE

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,296.0</u>	<u>218,781.0</u>
13. Hours Reactor Critical	<u>439.2</u>	<u>6,990.2</u>	<u>174,913.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>438.7</u>	<u>6,989.7</u>	<u>170,173.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>193,099</u>	<u>3,952,952</u>	<u>92,443,605</u>
18. Gross Elec Ener (MWH)	<u>56,170</u>	<u>1,191,870</u>	<u>28,010,659</u>
19. Net Elec Ener (MWH)	<u>51,697</u>	<u>1,114,905</u>	<u>26,209,456</u>
20. Unit Service Factor	<u>58.9</u>	<u>95.8</u>	<u>77.8</u>
21. Unit Avail Factor	<u>58.9</u>	<u>95.8</u>	<u>77.8</u>
22. Unit Cap Factor (MDC Net)	<u>41.6</u>	<u>91.5</u>	<u>73.7*</u>
23. Unit Cap Factor (DER Net)	<u>39.7</u>	<u>87.3</u>	<u>70.2*</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>8,326.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>11/30/85</u>			



OCTOBER 1985

* Item calculated with a Weighted Average

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

XX
* YANKEE-ROWE 1 *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-11	10/19/85	S	306.3	C	1		RC	FUELXX	CORE XVIII REFUELING COMMENCES.

XXXXXXXXXXXX YANKEE ROWE BEGAN A REFUELING OUTAGE ON OCTOBER 19TH.
* SUMMARY *
XXXXXXXXXXXX

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* YANKEE-ROWE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period OCT 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PHR
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 HORCESTER 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.....J. CLIFFORD
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 OCT 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X YANKEE-ROWE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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: 50-295 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

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>745.0</u>	<u>7,296.0</u>	<u>103,752.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>3,886.7</u>	<u>72,282.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>3,746.7</u>	<u>70,245.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,397,385</u>	<u>11,361,865</u>	<u>199,537,083</u>
18. Gross Elec Ener (MWH)	<u>789,514</u>	<u>3,706,898</u>	<u>64,378,692</u>
19. Net Elec Ener (MWH)	<u>761,141</u>	<u>3,524,875</u>	<u>61,120,270</u>
20. Unit Service Factor	<u>100.0</u>	<u>51.4</u>	<u>67.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>51.4</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>98.2</u>	<u>46.5</u>	<u>56.6</u>
23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>46.5</u>	<u>56.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.5</u>	<u>14.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>219.9</u>	<u>11,113.0</u>

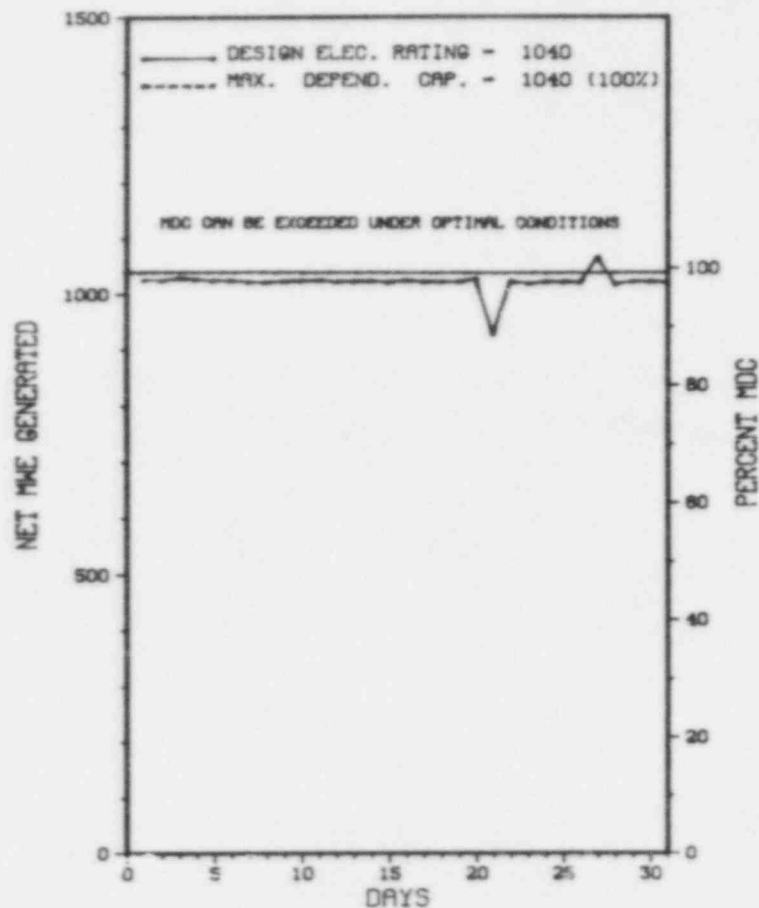
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ZION 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

XX
X ZION 1 X
XX

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

NONE

XXXXXXXXXXXX ZION 1 OPERATED ROUTINELY IN OCTOBER WITH NO OUTAGES OR POWER REDUCTIONS REPORTED.
X SUMMARY X
XXXXXXXXXXXX

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

* ZION 1 *

FACILITY DATA

Report Period OCT 1985

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.....M. HOLZMER
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973
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ZION, ILLINOIS 60099

INSPECTION SUMMARY

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

INSPECTION ON AUGUST 20-23, 27 AND 28 (85030): ROUTINE, UNANNOUNCED INSPECTION OF (1) CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING SAMPLE SPLIT AND ONSITE ANALYSIS WITH THE REGION III MOBILE LABORATORY; REVIEW OF THE LICENSEE'S LABORATORY PRACTICES AND QUALITY CONTROL; AND INTERNAL AUDITS; AND (2) REVIEW OF OPEN ITEMS IDENTIFIED DURING PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 51.5 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. ONE APPARENT VIOLATION WAS IDENTIFIED (SEVERITY LEVEL V, SUPPLEMENT I VIOLATION - FAILURE TO IMPLEMENT A WRITTEN PROCEDURE).

INSPECTION ON SEPTEMBER 13-30 (85033): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR TO WITNESS THE UNIT 2 CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT); REVIEW THE UNIT 1 CILRT REPORT DATED NOVEMBER 30, 1984; AND REVIEW RESOLUTION OF PREVIOUS VIOLATIONS AND OPEN ITEMS ON UNIT 1. THE INSPECTION INVOLVED 48 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 25 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. AN ADDITIONAL 3 INSPECTOR-HOURS OF INSPECTION EFFORT WERE REQUIRED AT THE REGIONAL OFFICE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 17-19 AND 26 (85034): ROUTINE, UNANNOUNCED INSPECTION OF THE RADWASTE AND RADIATION PROTECTION PROGRAMS INCLUDING: SOLID RADWASTE, LIQUID RADWASTE, GASEOUS RADWASTE, RADWASTE STORAGE, AND OPEN ITEMS. ALSO, SEVERAL RADIATION PROTECTION RELATED ALLEGATIONS WERE REVIEWED. THE INSPECTION INVOLVED 43 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO MAKE A REQUIRED REPORT).

1. Docket: 50-304 OPERATING STATUS

2. Reporting Period: 10/01/85 Outage + On-line Hrs: 745.0

3. Utility Contact: GERRI AUSTIN (312) 746-2984

4. Licensed Thermal Power (Mht): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rztng (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>745.0</u>	<u>7,296.0</u>	<u>97,465.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,909.2</u>	<u>71,419.4</u>
14. Rx Reserve Shtdn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,901.3</u>	<u>69,607.8</u>
16. Unit Reserve Shtdn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>21,572,161</u>	<u>205,669,505</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>5,358,835</u>	<u>64,319,595</u>
19. Net Elec Ener (MWH)	<u>-5,743</u>	<u>5,124,422</u>	<u>61,187,678</u>
20. Unit Service Factor	<u>.0</u>	<u>80.9</u>	<u>71.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>80.9</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>67.5</u>	<u>60.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>67.5</u>	<u>60.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>15.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>26.7</u>	<u>13,138.1</u>

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

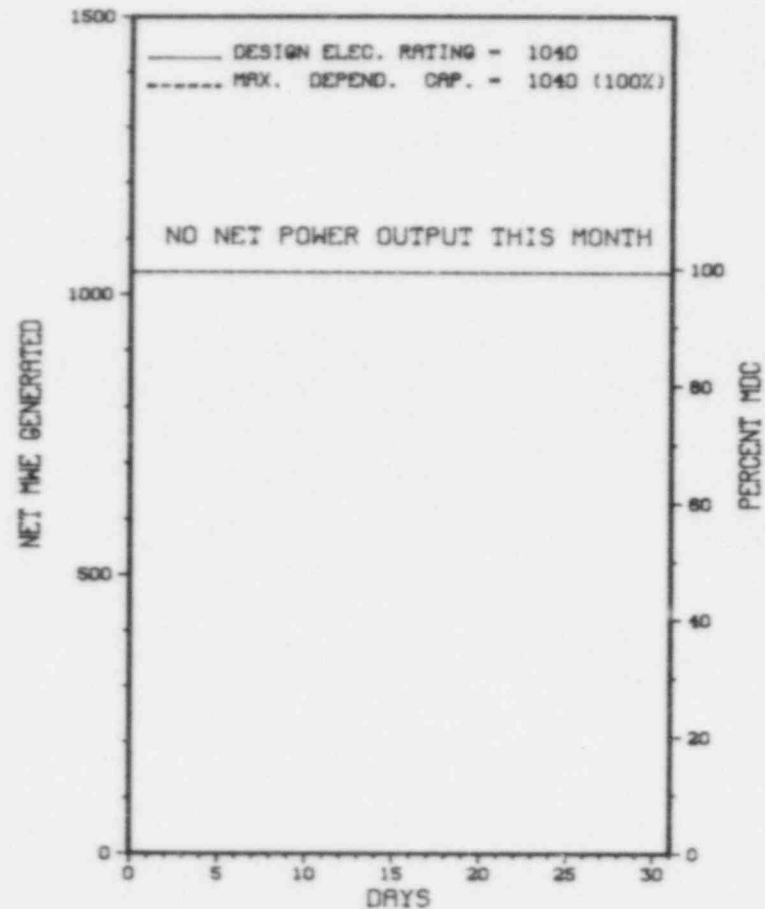
NONE

27. If Currently Shutdown Estimated Startup Date: 01/10/86

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * ZION 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



OCTOBER 1985

Report Period OCT 1985

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ZION 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	09/05/85	S	745.0	C	4		RC	FUELXX	CYCLE VIII - IX REFUELING OUTAGE CONTINUES.

XXXXXXXXXX ZION 2 REMAINS SHUT DOWN FOR REFUELING.
X SUMMARY X
XXXXXXXXXX

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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
X ZION 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period OCT 1985

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.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. HOLZMER
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-304

LICENSE & DATE ISSUANCE...DPR-48, NOVEMBER 14, 1973

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ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 20-23, 27 AND 28 (85031): ROUTINE, UNANNOUNCED INSPECTION OF (1) CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING SAMPLE SPLIT AND ONSITE ANALYSIS WITH THE REGION III MOBILE LABORATORY; REVIEW OF THE LICENSEE'S LABORATORY PRACTICES AND QUALITY CONTROL; AND INTERNAL AUDITS; AND (2) REVIEW OF OPEN ITEMS IDENTIFIED DURING PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 51.5 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. ONE APPARENT VIOLATION WAS IDENTIFIED (SEVERITY LEVEL V, SUPPLEMENT I VIOLATION - FAILURE TO IMPLEMENT A WRITTEN PROCEDURE).

INSPECTION ON SEPTEMBER 13-30 (85034): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR TO WITNESS THE UNIT 2 CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT); REVIEW THE UNIT 1 CILRT REPORT DATED NOVEMBER 30, 1984; AND REVIEW RESOLUTION OF PREVIOUS VIOLATIONS AND OPEN ITEMS ON UNIT 1. THE INSPECTION INVOLVED 48 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 25 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. AN ADDITIONAL 3 INSPECTOR-HOURS OF INSPECTION EFFORT WERE REQUIRED AT THE REGIONAL OFFICE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 17-19 AND 26 (85036): ROUTINE, UNANNOUNCED INSPECTION OF THE RADWASTE AND RADIATION PROTECTION PROGRAMS INCLUDING: SOLID RADWASTE, LIQUID RADWASTE, GASEOUS RADWASTE, RADWASTE STORAGE, AND OPEN ITEMS. ALSO, SEVERAL RADIATION PROTECTION RELATED ALLEGATIONS WERE REVIEWED. THE INSPECTION INVOLVED 43 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO MAKE A REQUIRED REPORT).

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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	456	532		08-86
ARKANSAS 2	177	988	168	820		N/S	2003
BEAVER VALLEY 1	157	833	232	601		N/S	1995
BYRON 1	193	1050	0	1050		N/S	1993
CALLAWAY 1	193	1340	0	1340		N/S	1993
CALVERT CLIFFS 1	217	1830(c)	940(c)	890(c)(m)	1098	N/S	1991
CALVERT CLIFFS 2	217					10-85	1991
CATAWBA 1	193	1418	0	1418		08-86	2008
COOK 1	193	2050(c)	802(c)	1248(c)		N/S	1994
COOK 2	193					10-85	1994
CRYSTAL RIVER 3	177	1163	328	829		N/S	1997
DAVIS-BESSE 1	177	735	204	531		N/S	1993
DIABLO CANYON 1	193	1400	0	1400		N/S	1993
DIABLO CANYON 2							
FARLEY 1	157	1407	273	1134		N/S	1991
FARLEY 2	157	1407	188	1219		N/S	1994
FORT CALHOUN 1	133	729	305	424		10-85	1996
GINNA	121	1016	380	636		N/S	1993
HADDAM NECK	157	1168	545	623		01-86	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	980	396	584		01-86	1993
INDIAN POINT 3	193	840	292	548		N/S	1993
KEWAUNEE	121	990	376	614(m)		01-86	1993
MAINE YANKEE	217	1476	721	755		N/S	1987
MCGUIRE 1	193	1463	152	1311(n)		06-86	2010
MCGUIRE 2	193	1463	61	1402		04-86	2010
MILLSTONE 2	217	667	449	218		10-86	1987
NORTH ANNA 1	157	1737(c)	416(c)	1321		11-85	1993
NORTH ANNA 2	157					N/S	1993
OCONEE 1	177	1312(l)	1025	287(l)(n)		03-86	1991
OCONEE 2	177					10-86	1991
OCONEE 3	177	875	364	511		N/S	1991
PALISADES	204	798	477	321		12-85	1988
PALO VERDE 1	241	1329	0	1329		N/S	1993
POINT BEACH 1	121	1502(c)	795(c)	707(c)		N/S	1995
POINT BEACH 2	121					10-85	1995
PRAIRIE ISLAND 1	121	1586(c)	701(c)	885(c)(m)		N/S	1993
PRAIRIE ISLAND 2	121					09-85	1993
RANCHO SECO 1	177	1080	316	764		09-86	2000
ROBINSON 2	157	541	222	319(e)	431	N/S	1988(g)
SALEM 1	193	1170	296	874		02-86	2001
SALEM 2	193	1170	140	1030		10-86	2004
SAN ONOFRE 1	157	216	94	122		11-85	1988
SAN ONOFRE 2	217	800	72	728		04-86	1997
SAN ONOFRE 3	217	800	0	800		08-85	
SEQUOYAH 1	193	1386	276	1105		09-85	1994
SEQUOYAH 2(d)	193					N/S	1994

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY *****	(a)			REMAINING CAPACITY IF PENDING REQUEST APPROVED		(b)	
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHD. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
ST LUCIE 1	217	728	372	356		N/S	1993
ST LUCIE 2	217	1076	80	996		02-86	1993
SUMMER 1	157	1276	44	1032		10-85	2008
SURRY 1	157	1044(c)	849(c)	195(c)		N/S	1985
SURRY 2	157					N/S	1985
THREE MILE ISLAND 1	177	752	208	544		N/S	
THREE MILE ISLAND 2	177	442	0	442		N/S	
TROJAN	193	1408	361	1047		N/S	1993
TURKEY POINT 3	157	1404	445	959(m)		N/S	1993
TURKEY POINT 4	157	1404	430	974		01-86	1993
WATERFORD 3	217	1088	0	1088		N/S	1993
WOLF CREEK 1	193	1340	0	1340		N/S	
YANKEE-ROWE 1	76	721	300	421		10-85	1993
ZION 1	193	2112(c)	953(c)	1159(c)		09-85	1995
ZION 2	193					N/S	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.

(b) Some of these dates have been adjusted by staff assumptions.

(c) This is the total for both units.

(d) Plant not in commercial operation.

(e) Some spent fuel stored at Brunswick.

(f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.

(g) Robinson 2 assemblies being shipped to Brunswick for storage.

(h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.

(i) No longer accepting spent fuel.

(j) Racked for 700 MTU.

(k) Reserved.

(l) This is the station total.

(m) Installed capacity is less than that authorized.

(n) McGuire 1 authorized to accept Oconee 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 (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (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	441	172	269		10-85
BROWNS FERRY 1	764	3471	1288	2183		N/S	1993
BROWNS FERRY 2	764	3471	1161	2310(m)	1819	N/S	1993
BROWNS FERRY 3	764	3471	1004	2467(m)		N/S	1993
BRUNSWICK 1	560	(f)	160PWR+656BWR	963		N/S	1992
BRUNSWICK 2	560		144PWR+564BWR	1275		12-85	1993
COOPER STATION	548	2366	790	1576		N/S	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	3537(c)	1413 (c)	2124(c)	(c)	N/S	1993
DRESDEN 3	724	3537	1271	2266		N/S	1993
DUANE ARNOLD	368	2050	961	1089		N/S	1998
FITZPATRICK	560	2244	1012	768		N/S	1992
GRAND GULF 1	800	1440	0	1440		N/S	1993
HATCH 1	560	6026	1440	4586		11-85	1999
HATCH 2	560			1325		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	234	206		N/S	1992
LASALLE 1	764	2162	0	2162		09-85	1988
LASALLE 2	764					N/S	1988
LIMERICK 1	764	2040	0	2040		N/S	1993
MILLSTONE 1	580	2184	1346	838		10-85	1991
MONTICELLO	484	2237	556	1681		05-86	1999
NINE MILE POINT 1	532	2776	1244	1532	1788	03-86	1996
OYSTER CREEK 1	560	2600	1204	1396		04-86	1990

 * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY
 * WATER *
 * REACTORS * (a)

FACILITY *****	(a)		NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	(b)	
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****			REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****
PEACH BOTTOM 2	764	2608	1462	1146	N/S	1989
PEACH BOTTOM 3	764	2608	1212	1396	N/S	1989
PILGRIM 1	580	2320	1128	642(m)	N/S	1990
QUAD CITIES 1	724	3657	2340	1317	N/S	2003
QUAD CITIES 2	724	3897	176	3721	N/S	2003
SUSQUEHANNA 1	764	2840	191	2649	02-86	1997
SUSQUEHANNA 2	764	2840	0	2840	N/S	1997
VERMONT YANKEE 1	368	2000	1204	796	09-85	1992
WASHINGTON NUCLEAR*	764	2658	0	2658	N/S	1993

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 Oconee fuel assemblies.

 N/S = Not Scheduled

(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

*****				*****				*****			
YEARS	1ST ELEC GENERATE	UNIT		YEARS	1ST ELEC GENERATE	UNIT		YEARS	1ST ELEC GENERATE	UNIT	
* LICENSED *	11.25	08/01/74	ARKANSAS 1	6.85	12/26/78	ARKANSAS 2		9.38	06/14/76	BEAVER VALLEY 1	
* OPERATING *	22.90	12/08/62	BIG ROCK POINT 1	12.05	10/15/73	BROWNS FERRY 1		11.18	08/28/74	BROWNS FERRY 2	
* ELECTRICAL *	9.14	09/12/76	BROWNS FERRY 3	8.91	12/04/76	BRUNSWICK 1		10.51	04/29/75	BRUNSWICK 2	
* PRODUCING *	.67	03/01/85	BYRON 1	1.02	10/24/84	CALLAWAY 1		10.83	01/03/75	CALVERT CLIFFS 1	
* UNITS *	8.90	12/07/76	CALVERT CLIFFS 2	.77	01/22/85	CATAWBA 1		10.72	02/10/75	COOK 1	
*****	7.61	03/22/78	COOK 2	11.48	05/10/74	COOPER STATION		8.75	01/30/77	CRYSTAL RIVER 3	
	8.18	08/28/77	DAVIS-BESSE 1	.97	11/11/84	DIABLO CANYON 1		.03	10/20/85	DIABLO CANYON 2	
	15.55	04/13/70	DRESDEN 2	14.28	07/22/71	DRESDEN 3		11.46	05/19/74	DUANE ARNOLD	
	8.21	08/18/77	FARLEY 1	4.44	05/25/81	FARLEY 2		10.75	02/01/75	FITZPATRICK	
	12.19	08/25/73	FORT CALHOUN 1	8.89	12/11/76	FORT ST VRAIN		15.92	12/02/69	GINNA	
	1.03	10/20/84	GRAND GULF 1	18.24	08/07/67	HADDAM NECK		10.97	11/11/74	HATCH 1	
	7.11	09/22/78	HATCH 2	12.35	06/26/73	INDIAN POINT 2		9.51	04/27/76	INDIAN POINT 3	
	11.57	04/08/74	KEWAUNEE	17.52	04/26/68	LA CROSSE		3.16	09/04/82	LASALLE 1	
	1.53	04/20/84	LASALLE 2	.55	04/13/85	LIMERICK 1		12.98	11/08/72	MAINE YANKEE	
	4.34	06/30/81	MCGUIRE 1	2.44	05/23/83	MCGUIRE 2		14.92	11/29/70	MILLSTONE 1	
	9.98	11/09/75	MILLSTONE 2	14.66	03/05/71	MONTICELLO		15.98	11/09/69	NINE MILE POINT 1	
	7.54	04/17/78	NORTH ANNA 1	5.19	08/25/80	NORTH ANNA 2		12.49	05/06/73	OCONEE 1	
	11.91	12/05/73	OCONEE 2	11.17	09/01/74	OCONEE 3		16.11	09/23/69	OYSTER CREEK 1	
	13.84	12/31/71	PALISADES	.39	06/10/85	PALO VERDE 1		11.70	02/18/74	PEACH BOTTOM 2	
	11.17	09/01/74	PEACH BOTTOM 3	13.29	07/19/72	PILGRIM 1		14.99	11/06/70	POINT BEACH 1	
	13.25	08/02/72	POINT BEACH 2	11.91	12/04/73	PRAIRIE ISLAND 1		10.86	12/21/74	PRAIRIE ISLAND 2	
	13.56	04/12/72	QUAD CITIES 1	13.44	05/23/72	QUAD CITIES 2		11.05	10/13/74	RANCHO SECO 1	
	15.10	09/26/70	ROBINSON 2	8.85	12/25/76	SALEM 1		4.41	06/03/81	SALEM 2	
	18.30	07/16/67	SAN ONOFRE 1	3.12	09/20/82	SAN ONOFRE 2		2.10	09/25/83	SAN ONOFRE 3	
	5.28	07/22/80	SEQUOYAH 1	3.86	12/23/81	SEQUOYAH 2		9.49	05/07/76	ST LUCIE 1	
	2.39	06/13/83	ST LUCIE 2	2.96	11/16/82	SUMMER 1		13.33	07/04/72	SURRY 1	
	12.65	03/10/73	SURRY 2	2.96	11/16/82	SUSQUEHANNA 1		1.33	07/03/84	SUSQUEHANNA 2	
	11.37	06/19/74	THREE MILE ISLAND 1	9.86	12/23/75	TROJAN		13.00	11/02/72	TURKEY POINT 3	
	12.36	06/21/73	TURKEY POINT 4	13.11	09/20/72	VERMONT YANKEE 1		1.43	05/27/84	WASHINGTON NUCLEAR 2	
	.62	03/18/85	WATERFORD 3	.39	06/12/85	WOLF CREEK 1		24.97	11/10/60	YANKEE-ROWE 1	
	12.34	06/28/73	ZION 1	11.85	12/26/73	ZION 2					
TOTAL 863.92 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							

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOGA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	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 DL ISSUED	AUTHORIZED POWER LEVEL (KW)	
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74	1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57	2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69	250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
	ROLLA	UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	500.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.100
OREGON	CORVALLIS	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
	PORTLAND	REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0

* EXPERIMENTAL AND TEST REACTORS *							

CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0

* CRITICAL EXPERIMENT FACILITIES *							

NEW YORK	TRUY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

NRC FORM 330 10-83		U.S. NUCLEAR REGULATORY COMMISSION		REPORT NUMBER (Assigned by NRC and Volume if any)	
BIBLIOGRAPHIC DATA SHEET				NUREG-0020 Volume 9 Number 11	
1 TITLE AND SUBTITLE Licensed Operating Reactors Status Summary Report				2 LEAD DATE	
6 AUTHOR(S) P. A. Ross, M. R. Beebe				4 RECIPIENT'S ACCESSION NUMBER	
8 PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) Division of Budget and Analysis Office of Resource Management U. S. Nuclear Regulatory Commission Washington, DC 20555				5 DATE REPORT COMPLETED MONTH: DECEMBER YEAR: 1985	
11 SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) Division of Budget and Analysis Office of Resource Management U. S. Nuclear Regulatory Commission Washington, DC 20555				7 DATE REPORT ISSUED MONTH: DECEMBER YEAR: 1985	
13 SUPPLEMENTARY NOTES Status Summary Report				9 PROJECT TASK WORK UNIT NUMBER	
14 ABSTRACT (200 words or less) The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.				10 PIN NUMBER	
15 KEY WORDS AND DOCUMENT ANALYSIS				12a TYPE OF REPORT	
15b DESCRIPTORS				12b PERIOD COVERED (Month or Range) OCTOBER 1985	
16 AVAILABILITY STATEMENT Unlimited				17 SECURITY CLASSIFICATION (This report) Unclassified	
				18 SECURITY CLASSIFICATION (This page) Unclassified	
				19 NUMBER OF PAGES 5	

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