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October 1985

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 09-30-85

UNITED STATES NUCLEAR REGULATORY COMMISSION



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



AUTHORIZATION AND CLEARANCE

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

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

STATEMENT OF PURPOSE

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

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

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

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

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G L O S S A R Y

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

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

REACTOR AVAILABLE HOURS	The Total clock hours in the report period during which the reactor was critical or was capable of being made critical. (Reactor Reserve Shutdown Hours + Hours Reactor Critical.)
REACTOR AVAILABILITY FACTOR	$\frac{\text{Reactor Available Hours} \times 100}{\text{Period Hours}}$
REACTOR RESERVE SHUTDOWN	The cessation of criticality in the reactor for administrative or other similar reasons when operation could have been continued.
REACTOR RESERVE SHUTDOWN HOURS	The total clock hours in the report period that the reactor is in reserve shutdown mode. NOTE: No credit is given for NRC imposed shutdowns.
REACTOR SERVICE FACTOR	$\frac{\text{Hours Reactor Critical} \times 100}{\text{Period Hours}}$
REPORT PERIOD	Usually, the preceding 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 73,130 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 77,698 TOTAL
 ***** (c) 2 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

MDC NET		DER	DATE	DER
(a) PALO VERDE 1	1304 (b) Excludes these plants	1. DRESDEN 1	07/03/85	820
ENRICO FERM 2	1093 licensed for operation	2. HUMBOLDT BAY	08/29/85	934
LIMERICK 1	1065 which are shut down	3. TMI 2		
DIABLO CANYON 2	1106 indefinitely			

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
***** 1. GROSS ELECTRICAL (MWHE)	35,432,479	35,156,759	292,034,670
* POWER * 2. NET ELECTRICAL (MWHE)	33,710,973	33,438,562	277,965,470
* GENERATION * 3. AVG. UNIT SERVICE FACTOR (%)	72.4	73.7	69.7
***** 4. AVG. UNIT AVAILABILITY FACTOR (%)	72.5	73.7	70.1
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	66.9	66.6	64.9
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	65.1	64.8	63.1
7. FORCED OUTAGE RATE (%)	12.1	13.7	10.4

	% OF POTENTIAL PRODUCTION
***** 1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	33,710,973 NET 65.4
* ACTUAL VS. * 2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	8,753,983 MWHe 17.0
* POTENTIAL * 3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	6,493,737 MWHe 12.6
* ENERGY * 4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,623,449 MWHe 5.1
* PRODUCTION * *****	
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	51,582,142 MWHe 100.0% TOTAL
(Using Maximum Dependable Capacity Net)	
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	655,356 MWHe
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS.	0 UNIT(S) WITH NRC RESTRICTION

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
***** 1. FORCED OUTAGES DURING REPORT PERIOD	56	7,555.1	12.0	6,493,737
* OUTAGE * 2. SCHEDULED OUTAGES DURING REPORT PERIOD.	22	9,972.0	15.8	8,753,983
* DATA * *****				
TOTAL	78	17,527.1	27.8	15,247,720

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

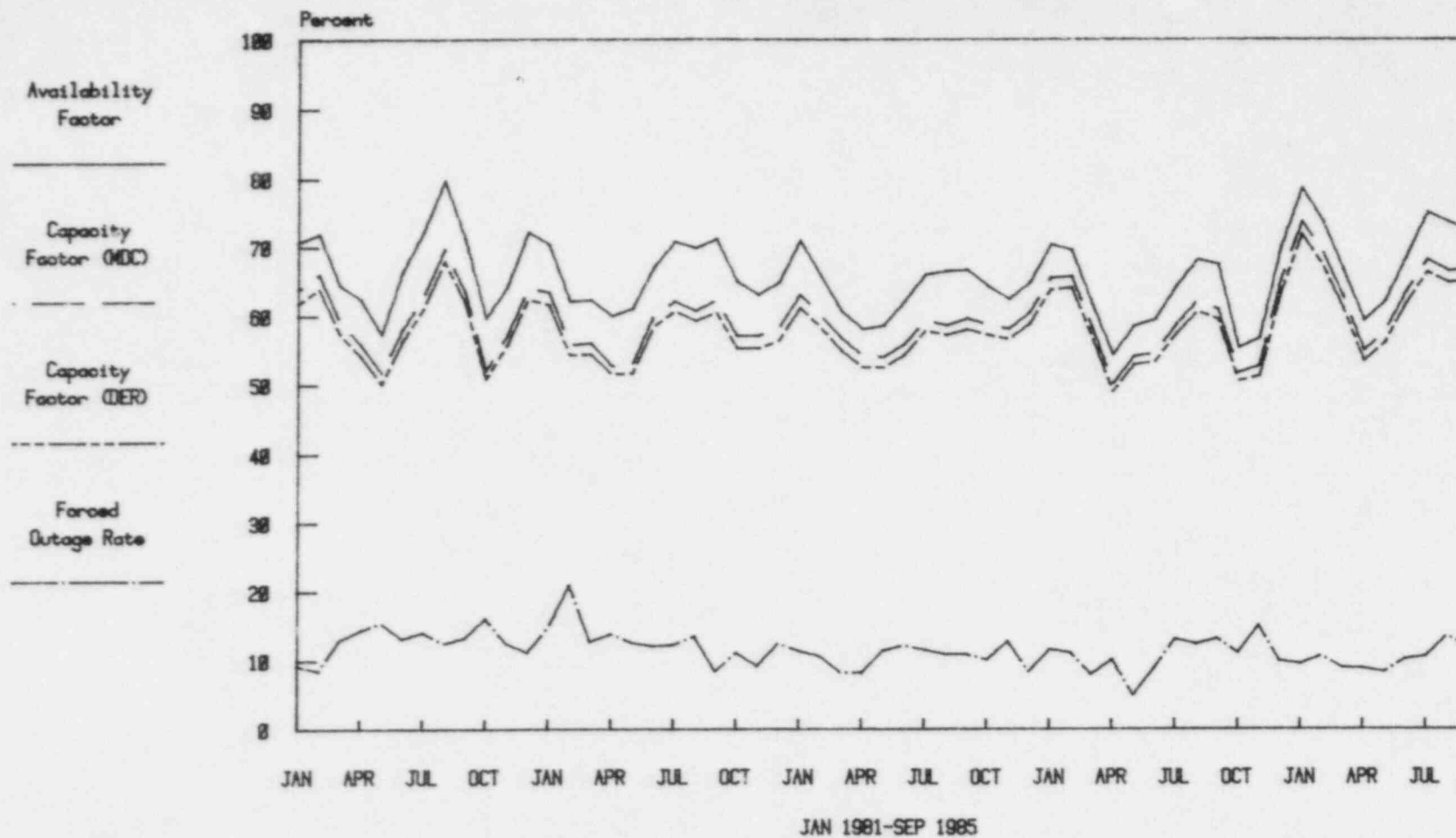
		NUMBER	HOURS LOST
*****	A - Equipment Failure	29	3,454.6
* REASONS *	B - Maintenance or Test	11	1,137.4
* FOR *	C - Refueling	15	8,942.9
* SHUTDOWNS *	D - Regulatory Restriction	3	811.1
*****	E - Operator Training & License Examination . . .	0	0.0
	F - Administrative	4	1,537.0
	G - Operational Error	6	1,050.4
	H - Other	10	593.7
	TOTAL	78	17,527.1

		MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
*****	ARKANSAS 1	836	833	Self-imposed
* DERATED *	BYRON 1	1129	875	Self-imposed
* UNITS *	FORT ST VRAIN	330	280	Self-imposed
*****	ROBINSON 2	665	612	Self-imposed
	SAN ONOFRE 1	436	390	Self-imposed
	WASHINGTON NUCLEAR*	1095	800	Self-imposed

	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
*****	ARKANSAS 1	A	ARKANSAS 2	A	BIG ROCK POINT 1	C	BROWNS FERRY 1	C
* SHUTDOWNS *	BROWNS FERRY 2	C	BROWNS FERRY 3	F	BRUNSWICK 1	C	BRUNSWICK 2	H
* GREATER *	COOK 1	B	COOK 2	A	CRYSTAL RIVER 3	F	DAVIS-BESSE 1	A
* THAN 72 HRS *	DRESDEN 3	G	FORT ST VRAIN	G	INDIAN POINT 2	A	INDIAN POINT 3	C
* EACH *	MAINE YANKEE	C	MILLSTONE 2	H	NORTH ANNA 1	B	OCONEE 3	C
*****	PEACH BOTTOM 2	A	PEACH BOTTOM 3	C	PILGRIM 1	H	PRAIRIE ISLAND 2	C
	RANCHO SECO 1	C	SAN ONOFRE 1	B	SAN ONOFRE 2	A	SAN ONOFRE 3	C
	SEQUOYAH 1	C	SEQUOYAH 2	F	ST LUCIE 2	A,A	THREE MILE ISLAND 1	D
	TROJAN	A	VERMONT YANKEE 1	C	ZION 2	C		

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 09-30-85



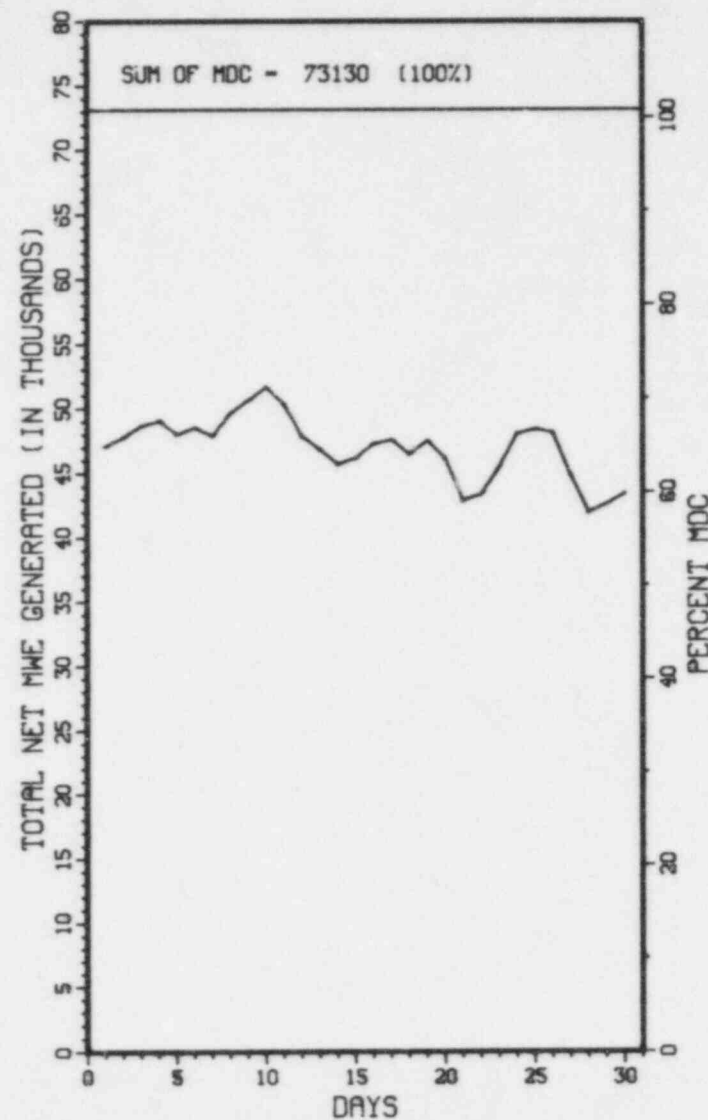
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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".

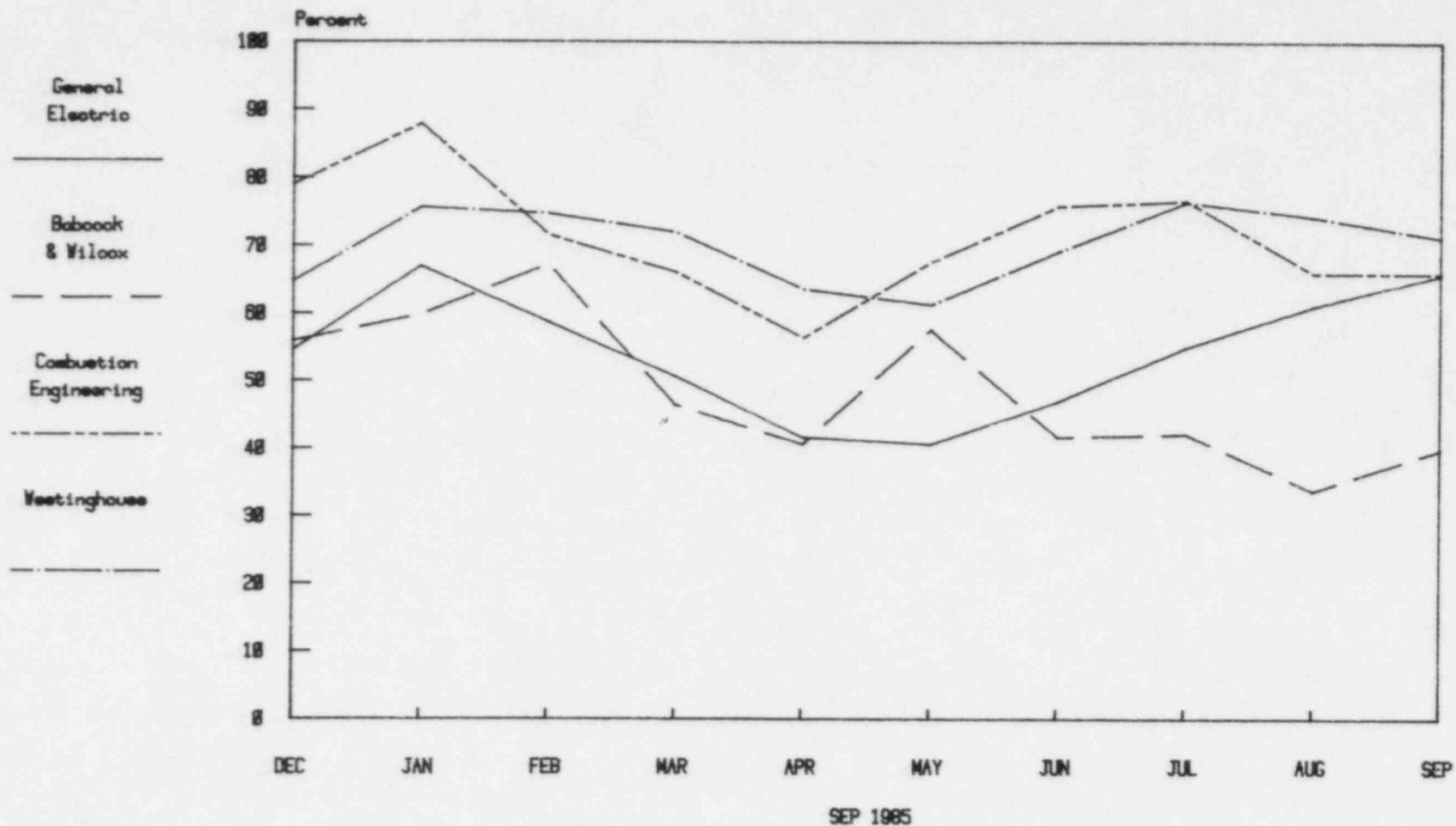
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



SEPTEMBER 1985

Vendor Average Capacity Factors

As Of 09-30-85



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.

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 * 72.1 BRUNSWICK 2	55.9 COOPER STATION	83.0 DRESDEN 2	53.5 DRESDEN 3
***** 92.3 DUANE ARNOLD	97.6 FITZPATRICK	90.6 GRAND GULF 1	89.7 HATCH 1
100.7 HATCH 2	82.2 LASALLE 1	92.0 LASALLE 2	86.6 MILLSTONE 1
102.1 MONTICELLO	94.7 NINE MILE POINT 1	95.2 OYSTER CREEK 1	60.6 PEACH BOTTOM 2
0.0 PEACH BOTTOM 3	71.4 PILGRIM 1	95.4 QUAD CITIES 1	95.3 QUAD CITIES 2
97.4 SUSQUEHANNA 1	99.1 SUSQUEHANNA 2	49.9 VERMONT YANKEE 1	70.7 WASHINGTON NUCLEAR*

***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 57.8 ARKANSAS 1	72.5 CRYSTAL RIVER 3	0.0 DAVIS-BESSE 1	97.0 OCONEE 1
* WILCOX * 90.2 OCONEE 2	0.0 OCONEE 3	0.0 RANCHO SECO 1	0.0 THREE MILE ISLAND 1

***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 58.4 ARKANSAS 2	95.0 CALVERT CLIFFS 1	101.2 CALVERT CLIFFS 2	89.8 FORT CALHOUN 1
* ENGINEERING * 0.0 MAINE YANKEE	87.2 MILLSTONE 2	89.1 PALISADES	67.8 SAN ONOFRE 2
***** 25.6 SAN ONOFRE 3	100.2 ST LUCIE 1	89.0 ST LUCIE 2	56.7 WATERFORD 3

***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE* 83.2 BEAVER VALLEY 1	57.6 BYRON 1	96.9 CALLAWAY 1	97.0 CATAWBA 1
***** 0.0 COOK 1	0.0 COOK 2	97.4 DIABLO CANYON 1	99.7 FARLEY 1
101.5 FARLEY 2	93.5 GINNA	91.9 HADDAM NECK	66.2 INDIAN POINT 2
0.0 INDIAN POINT 3	102.4 KEWAUNEE	91.0 MCGUIRE 1	97.0 MCGUIRE 2
66.2 NORTH ANNA 1	96.4 NORTH ANNA 2	97.3 POINT BEACH 1	100.6 POINT BEACH 2
100.1 PRAIRIE ISLAND 1	8.6 PRAIRIE ISLAND 2	95.0 ROBINSON 2	97.0 SALEM 1
92.8 SALEM 2	64.8 SAN ONOFRE 1	0.0 SEQUOYAH 1	0.0 SEQUOYAH 2
91.6 SUMMER 1	80.0 SURRY 1	93.6 SURRY 2	75.3 TROJAN
102.3 TURKEY POINT 3	99.1 TURKEY POINT 4	88.6 WOLF CREEK 1	79.2 YANKEE-ROWE 1
97.8 ZION 1	3.8 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.....	11,102,383	16,203,872	4,438,795	1,932,611	22,575,278
MDC NET.....	23,466	32,265	10,206	6,746	49,217
CFMDC.....	65.7	71.2	65.9	39.8	65.7

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

ERRATA CORRECTIONS TO PREVIOUSLY REPORTED DATA

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 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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): 833

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>94,530.0</u>
13. Hours Reactor Critical	<u>508.8</u>	<u>4,953.8</u>	<u>63,611.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>495.1</u>	<u>4,816.3</u>	<u>62,219.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,106,929</u>	<u>11,534,804</u>	<u>147,887,615</u>
18. Gross Elec Ener (MWH)	<u>369,330</u>	<u>3,868,249</u>	<u>48,830,520</u>
19. Net Elec Ener (MWH)	<u>347,987</u>	<u>3,663,982</u>	<u>46,526,504</u>
20. Unit Service Factor	<u>68.8</u>	<u>73.5</u>	<u>65.8</u>
21. Unit Avail Factor	<u>68.8</u>	<u>73.5</u>	<u>66.7</u>
22. Unit Cap Factor (MDC Net)	<u>57.8</u>	<u>66.9</u>	<u>58.9</u>
23. Unit Cap Factor (DER Net)	<u>56.9</u>	<u>65.8</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>31.2</u>	<u>19.1</u>	<u>15.5</u>
25. Forced Outage Hours	<u>224.9</u>	<u>1,136.9</u>	<u>11,389.8</u>

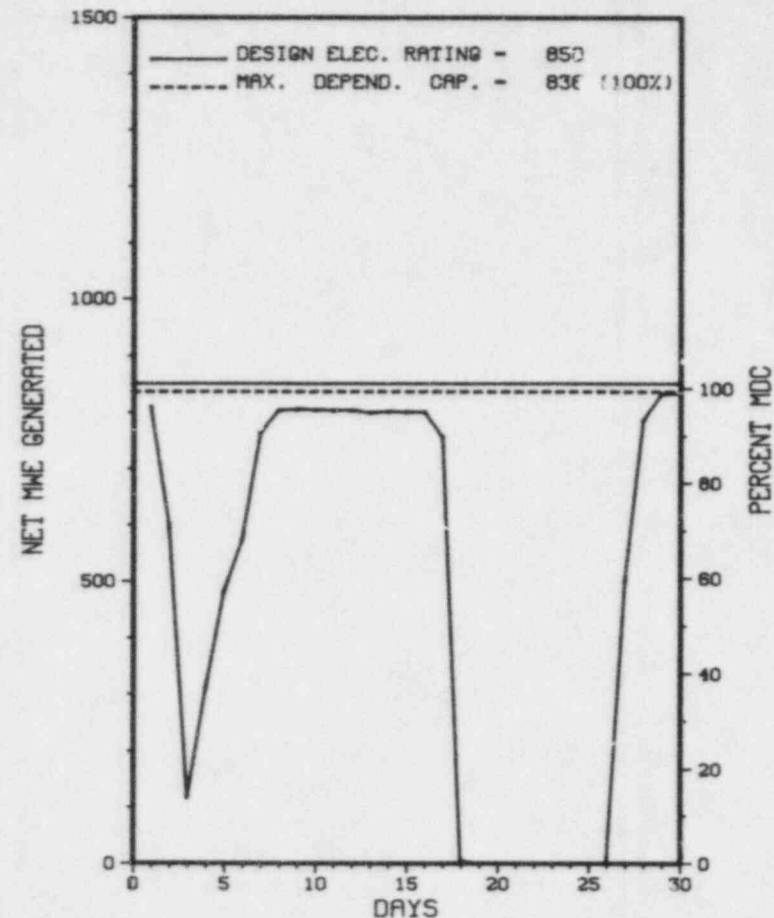
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* A R K A N S A S 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8507	09/02/85	F	17.4	A	3	85-010			MAIN FEEDWATER PUMP TURBINE SPEED GOVERNOR SHAFT BROKE CAUSING A PUMP TRIP. RCS PRESSURE TRIPPED THE REACTOR. SPEED GOVERNOR SHAFT REPLACED AND REALIGNED TO PREVENT RECURRENCE.
8508	09/18/85	F	207.5	A	1		JD	MO	PLANT SHUT DOWN FOLLOWING DROPPING OF CRD 7-2. CRD DROPPED DUE TO BURNED OUT STATOR COIL. THIS WAS A NATURAL END-OF-LIFE FOR THIS COMPONENT (I.E., NO ACTION NECESSARY TO PREVENT RECURRENCE).

 * SUMMARY *

 ARKANSAS 1 OPERATED WITH 2 OUTAGES DURING SEPTEMBER.

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

* ARKANSAS 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO CURRENT DATA RECEIVED FOR SEPTEMBER

ENFORCEMENT SUMMARY

IN AN "ORDER CONFIRMING LICENSEE COMMITMENTS ON POST-TMI RELATED ISSUES," DATED MARCH 14, 1983, AND ISSUED TO ARKANSAS POWER & LIGHT, ARKANSAS NUCLEAR ONE, UNITS 1&2, THE NRC ORDERED THE LICENSEE, TO IMPLEMENT AND MAINTAIN SPECIFIC ITEMS DESCRIBED AS COMPLETE IN THE ATTACHMENTS TO THE ORDER. ATTACHMENT 1 TO THE RESPECTIVE ORDER INDICATED THAT THE INSTALLATION OF THE POSTACCIDENT SAMPLING CAPABILITY WAS COMPLETE. CONTRARY TO THE ABOVE, ON 6/24/85, AN 7/12/85, NRC INSPECTORS DETERMINED THAT THE POSTACCIDENT SAMPLING CAPABILITY WAS NOT IMPLEMENTED AND MAINTAINED SO THAT REQUIRED SAMPLES AND ANALYSES OF REACTOR COOLANT AND CONTAINMENT ATMOSPHERE COULD BE OBTAINED AND ANALYZED AS SPECIFIED IN NUREG-0737, II.B.3.

(8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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 Occur Above Since Last Report, Give Reasons:
NONE

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

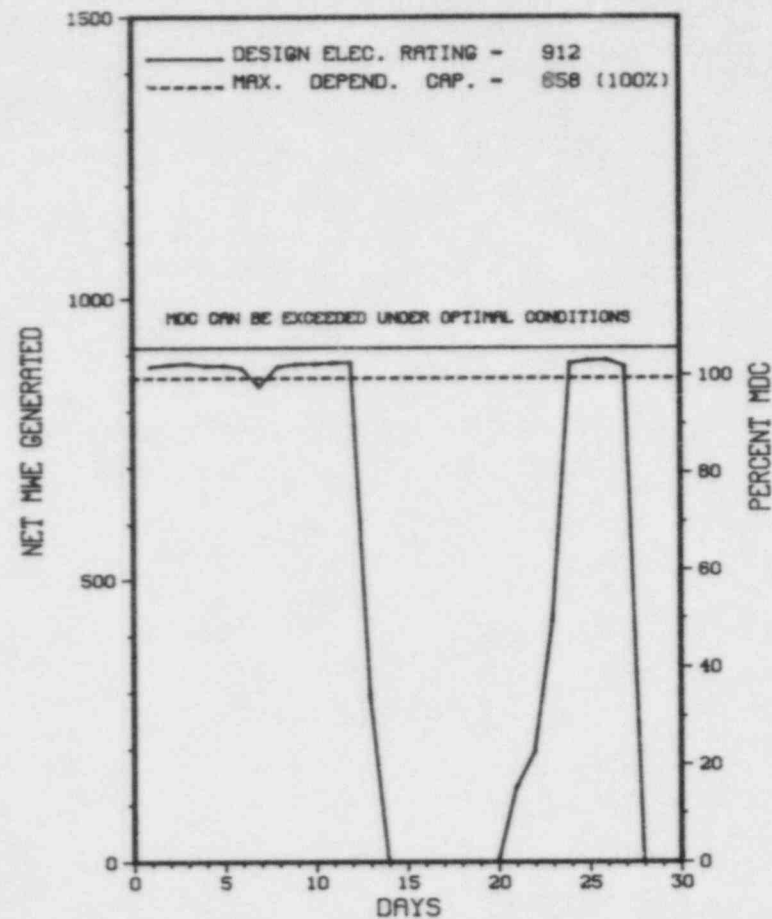
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>48,359.0</u>
13. Hours Reactor Critical	<u>486.3</u>	<u>4,557.7</u>	<u>33,862.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>464.0</u>	<u>4,252.6</u>	<u>32,645.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,167,321</u>	<u>10,522,866</u>	<u>82,576,544</u>
18. Gross Elec Ener (MWH)	<u>382,455</u>	<u>3,490,905</u>	<u>27,007,661</u>
19. Net Elec Ener (MWH)	<u>360,585</u>	<u>3,295,864</u>	<u>25,705,777</u>
20. Unit Service Factor	<u>64.4</u>	<u>64.9</u>	<u>67.5</u>
21. Unit Avail Factor	<u>64.4</u>	<u>64.9</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>58.4</u>	<u>58.6</u>	<u>62.0</u>
23. Unit Cap Factor (DER Net)	<u>54.9</u>	<u>55.2</u>	<u>58.3</u>
24. Unit Forced Outage Rate	<u>35.6</u>	<u>11.8</u>	<u>16.7</u>
25. Forced Outage Hours	<u>256.0</u>	<u>569.7</u>	<u>6,538.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>10/05/85</u>			

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8514	09/13/85	F	185.8	A	1		AB	SEAL	UNIT SHUTDOWN TO REPLACE "A" & "C" RCP SEALS.
8515	09/28/85	F	70.2	A	1		AB	PI	UNIT SHUTDOWN TO REPAIR "C" RCP SEAL PRESSURE SENSING LINE.

* SUMMARY *

ARKANSAS 2 OPERATED WITH 2 OUTAGES, SHUTTING DOWN ON SEPTEMBER 28TH 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)

* ARKANSAS 2 *

FACILITY DATA

Report Period SEP 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 72205

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

INSPECTION STATUS

INSPECTION SUMMARY

NO CURRENT DATA RECEIVED FOR SEPTEMBER

ENFORCEMENT SUMMARY

IN AN "ORDER CONFIRMING LICENSEE COMMITMENTS ON POST-TMI RELATED ISSUES," DATED MARCH 14, 1983, AND ISSUED TO ARKANSAS POWER & LIGHT, ARKANSAS NUCLEAR ONE, UNITS 1&2, THE NRC ORDERED THE LICENSEE, TO IMPLEMENT AND MAINTAIN SPECIFIC ITEMS DESCRIBED AS COMPLETE IN THE ATTACHMENTS TO THE ORDER. ATTACHMENT 1 TO THE RESPECTIVE ORDER INDICATED THAT THE INSTALLATION OF THE POSTACCIDENT SAMPLING CAPABILITY WAS COMPLETE. CONTRARY TO THE ABOVE, ON 6/24/85, AN 7/12/85, NRC INSPECTORS DETERMINED THAT THE POSTACCIDENT SAMPLING CAPABILITY WAS NOT IMPLEMENTED AND MAINTAINED SO THAT REQUIRED SAMPLES AND ANALYSES OF REACTOR COOLANT AND CONTAINMENT ATMOSPHERE COULD BE OBTAINED AND ANALYZED AS SPECIFIED IN NUREG-0737, II.B.3.

(8502 4)

CONTRARY TO 10 CFR PART 50, APPENDIX B, CRITERION V; AP&L QA MANUAL-OPERATIONS; AND ANSI N18.7-1976; A PROCEDURE REVISION WAS NOT DISTRIBUTED WITHIN THE TIME REQUIREMENT SPECIFIED IN PROCEDURE 100.04.

(8502 5)

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* ARKANSAS 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR REPAIRS.

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

INSPECTION REPORT NO: 50-368/85-22

REPORTS FROM LICENSEE

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

85-014-00	7/18/85	8/26/85	REACTOR TRIP DUE TO INADVERTANT SAFEGUARDS ACTUATION.
85-015-00	7/30/85	8/30/85	REACTOR TRIP DUE TO ERRONEOUS CONTROL ELEMENT POSITION INDICATION.
85-016-00	8/5/85	9/4/85	REACTOR TRIP DUE TO ERRONEOUS INDICATIONS CAUSED BY LIGHTENING.
85-017-00	8/13/85	9/9/85	REACTOR TRIP ON HIGH PRESSURIZER PRESSURE RESULTING FROM A TURBINE TRIP CAUSED BY LOSS OF VACUUM.
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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):
NONE

11. Reasons for Restrictions, If Any:
NONE

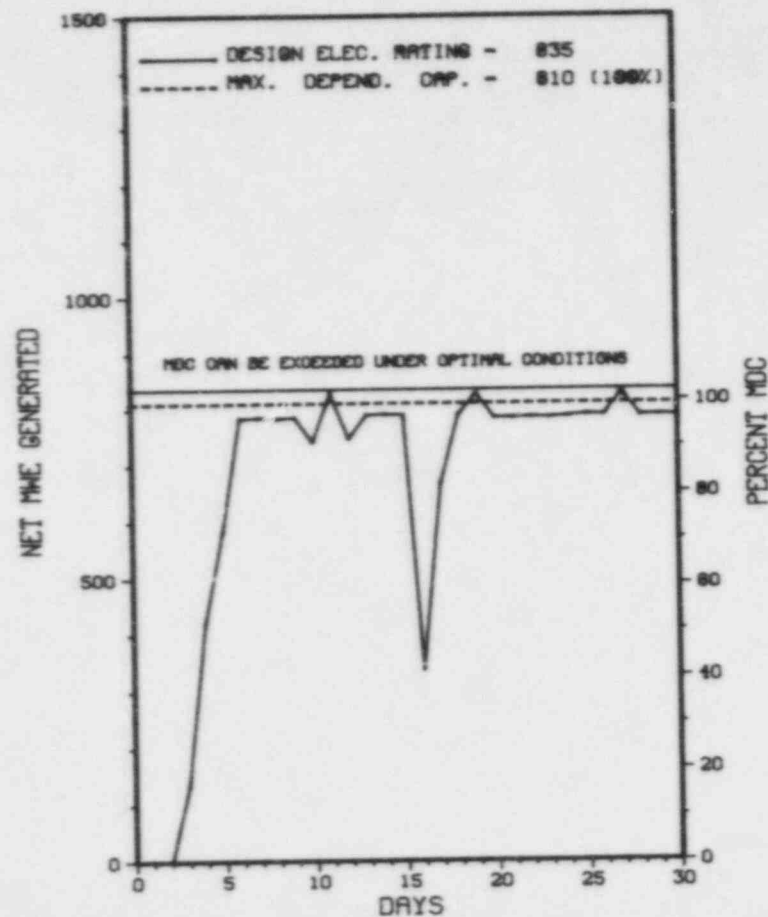
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>82,559.0</u>
13. Hours Reactor Critical	<u>647.6</u>	<u>6,062.2</u>	<u>43,421.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>644.8</u>	<u>5,915.0</u>	<u>41,998.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,627,823</u>	<u>14,513,010</u>	<u>97,911,515</u>
18. Gross Elec Ener (MWH)	<u>517,000</u>	<u>4,657,000</u>	<u>31,151,440</u>
19. Net Elec Ener (MWH)	<u>485,300</u>	<u>4,366,550</u>	<u>29,001,303</u>
20. Unit Service Factor	<u>89.6</u>	<u>90.3</u>	<u>53.3</u>
21. Unit Avail Factor	<u>89.6</u>	<u>90.3</u>	<u>53.3</u>
22. Unit Cap Factor (MDC Net)	<u>83.2</u>	<u>82.3</u>	<u>46.9</u>
23. Unit Cap Factor (DER Net)	<u>80.7</u>	<u>79.8</u>	<u>45.5</u>
24. Unit Forced Outage Rate	<u>10.4</u>	<u>8.5</u>	<u>24.8</u>
25. Forced Outage Hours	<u>75.2</u>	<u>546.0</u>	<u>18,418.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
30	08/29/85	F	62.2	A	4	85-015	PA	AIRDRY	THE STATION REMAINED OFF LINE FOLLOWING A REACTOR TRIP/SAFETY INJECTION DUE TO A LOSS OF INSTRUMENT AIR CAUSED BY A BROKEN LINE ON THE INSTRUMENT AIR DRYER. REPAIRS WERE MADE AND THE STATION RETURNED TO SERVICE ON 1411 HOURS ON THE 3RD.
31	09/03/85	F	0.0	B	5		CH	PUMPSS	REDUCED POWER LEVEL AS A RESULT OF MAINTENANCE BEING PERFORMED ON FEEDWATER PUMP FW-P-1A .
32	09/16/85	F	13.0	A	3	85-016	EG	ZZZZZZ	INADVERTANT GROUNDING OF VITAL BUS 2 CAUSED A REACTOR TRIP AT 1026 HOURS. THE STATION RETURNED TO SERVICE AT 2328 HOURS ON THE 16TH.

* SUMMARY *

BEAVER VALLEY OPERATED WITH 2 OUTAGES AND 1 REDUCTION DURING SEPTEMBER.

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

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 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.			

=====

1. Docket: 59-155 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 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>720.0</u>	<u>6,551.0</u>	<u>197,322.0</u>
13. Hours Reactor Critical	<u>142.4</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>142.4</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 (MMH)	<u>18,583</u>	<u>1,003,092</u>	<u>25,855,645</u>
18. Gross Elec Ener (MMH)	<u>6,030</u>	<u>322,761</u>	<u>8,180,013</u>
19. Net Elec Ener (MMH)	<u>5,659</u>	<u>304,788</u>	<u>7,734,523</u>
20. Unit Service Factor	<u>19.8</u>	<u>82.3</u>	<u>69.7</u>
21. Unit Avail Factor	<u>19.8</u>	<u>82.3</u>	<u>69.7</u>
22. Unit Cap Factor (MDC Net)	<u>11.4</u>	<u>67.1</u>	<u>58.4*</u>
23. Unit Cap Factor (DER Net)	<u>10.9</u>	<u>64.6</u>	<u>54.4</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):

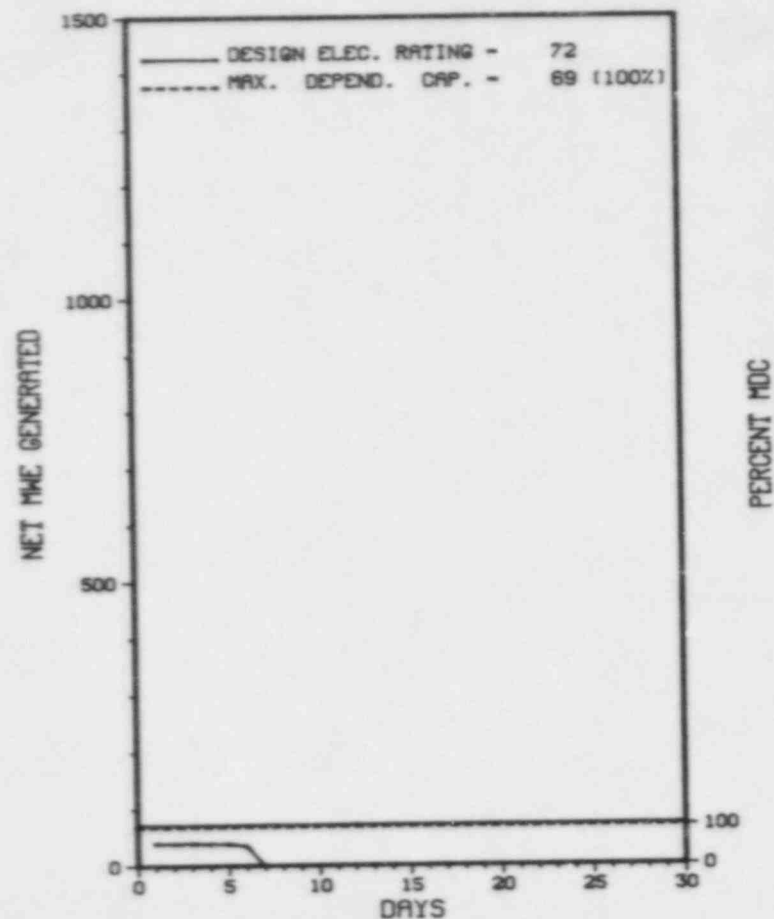
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

PAGE 2-014

Report Period SEP 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	577.6	C	1		RC FUELXX	20TH REFUELING OUTAGE COMMENCED.

* SUMMARY *

BIG ROCK POINT SHUTDOWN ON SEPTEMBER 6TH FOR REFUELING.

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)

* BIG ROCK POINT 1 *

FACILITY DATA

Report Period SEP 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 OPERATE...MARCH 29, 1963
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....S. GUTHRIE
LICENSING PROJ MANAGER.....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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 27-30 (85016): ROUTINE INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND SITE QA STAFFING. THE INSPECTION INVOLVED 29 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period SEP 1985

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

* BIG ROCK POINT 1 *

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BEGIN A PLANNED REFUELING AND MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 15-18, 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: 50-259 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

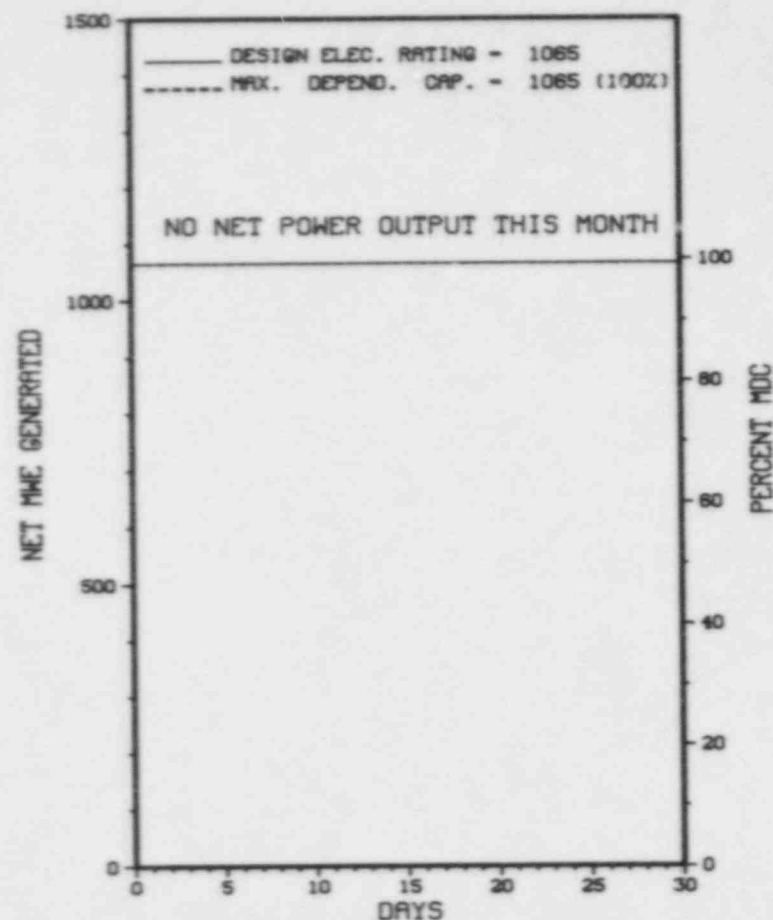
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>97,897.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,647.7</u>	<u>59,520.9</u>
14. Rx Reserve Shtdn Hrs	<u>.0</u>	<u>512.1</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,626.6</u>	<u>58,276.4</u>
16. Unit Reserve Shtdn 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>-7,829</u>	<u>1,559,896</u>	<u>53,733,717</u>
20. Unit Service Factor	<u>.0</u>	<u>24.8</u>	<u>59.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>24.8</u>	<u>59.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>22.4</u>	<u>51.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>22.4</u>	<u>51.5</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):	<u>NONE</u>		

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

 * BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



SEPTEMBER 1985

Report Period SEP 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	720.0	C	4		RC	FUELXX	END OF CYCLE 6 REFUEL OUTAGE CONTINUES.

* SUMMARY *

BROWNS FERRY 1 REMAINS SHUT DOWN FOR REFUELING.

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 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 27 - AUGUST 19 (85-39): THIS ROUTINE INSPECTION INVOLVED 50 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, SURVEILLANCE OBSERVATION, TMI ACTION ITEM, LICENSEE ACTION ON PREVIOUS ENFORCEMENT ITEMS, AND UNRESOLVED ITEMS. ONE VIOLATION - TECHNICAL SPECIFICATION 6.3.A.1 FOR FAILURE TO HAVE AN ADEQUATE PROCEDURE TO COVER OPERATION OF THE STANDBY GAS TREATMENT (SBGT) SYSTEM CHARCOAL BED HEATERS AND FAILURE TO USE AN UPDATED PROCEDURE WHICH COVERED OPERATION OF THE HEATERS. ONE DEVIATION - FINAL SAFETY ANALYSIS REPORT, SECTION 5.3.3.7 FOR NOT HAVING A LOW TEMPERATURE ALARM ON THE SBGT SYSTEM CHARCOAL BED HEATERS.

INSPECTION AUGUST 12-16 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ONSITE IN THE AREAS OF SAFETY-RELATED CABLE TRAY SUPPORTS, MECHANICAL MAINTENANCE ASSOCIATED WITH SAFETY-RELATED PIPE SUPPORT AND RESTRAINT SYSTEMS RESULTING FROM THE TORUS MODIFICATIONS, AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IE BULLETIN 79-02). TWO VIOLATIONS WERE IDENTIFIED - INADEQUATE DESIGN CONTROLS FOR SAFETY-RELATED CABLE TRAY SUPPORTS, PARAGRAPH 5.B.; INADEQUATE CORRECTIVE ACTIONS FOR SAFETY-RELATED CABLE TRAY SYSTEMS, PARAGRAPH 5.C.

INSPECTION AUGUST 12-16 (85-43): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING THE LOCAL LEAK RATE PROGRAM, WITNESSING FUEL HANDLING, AND FOLLOWUP ON LICENSEE EVENT REPORTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.3.A REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS, SHALL BE PREPARED, APPROVED, AND ADHERED TO FOR SYSTEM OPERATION AND CORRECTIVE MAINTENANCE WHICH COULD HAVE AN EFFECT ON THE SAFETY OF THE REACTOR. PROCEDURES WERE NOT ADHERED TO OR WERE INADEQUATE IN THE FOLLOWING EXAMPLES: (1) UNIT 1 CONTROL ROD DRIVE MODULE 34-03 DID NOT CONTAIN THE FUNCTIONAL AND POST MAINTENANCE TEST REQUIREMENTS CONSISTING OF INSERTION AND WITHDRAWAL TIMING. ADDITIONALLY, THE RESPONSIBLE FOREMAN DID NOT ENSURE THE REQUIRED TESTING WAS PERFORMED AND SIGNED OFF. (2) DURING CONTROL ROD TIMING CHECK ON FEBRUARY 22, 1985, ROD WITHDRAWAL AND INSERTION TIMES OF 41 AND 53 SECONDS RESPECTIVELY FOR UNIT 1 CONTROL ROD 34-03 WERE ACCEPTED AS SATISFACTORY. (3) ON FEBRUARY 22, 1985, UNIT 1 CONTROL ROD 34-30 WAS WITHDRAWN PAST NOTCH POSITION 02 WITH DRIVE WATER PRESSURE APPROXIMATELY 50 PSI ABOVE NORMAL LIMITS. (4) WHEN FAILED OPEN RESISTORS ON BOTH HIGH PRESSURE COOLANT INJECTION (HPCI) STEAM LINE DRAIN ISOLATION VALVES* (73-6A AND 73-6B) SOLENOID FIELD SUPPRESSION CIRCUITS WERE FOUND DURING MAINTENANCE ACTIVITY ON MARCH 8, 1985, NO SAFETY EVALUATION WAS PERFORMED TO DETERMINE THE OPERABILITY OF THE HPCI SYSTEM UNDER THIS POTENTIALLY DEGRADED CONDITION. THE RESISTORS WERE NOT REPLACED AND THE HPCI SYSTEM WAS NOT EVALUATED DURING POWER OPERATION UNTIL THE UNIT WAS SHUTDOWN ON MARCH 19, 1985. TECHNICAL SPECIFICATION 6.3.A REQUIRES THAT DETAILED WRITTEN PROCEDURES COVERING THE FOLLOWING ITEMS SHALL BE PREPARED, APPROVED AND ADHERED TO: (A) NORMAL STARTUP, OPERATION, AND SHUTDOWN OF ALL SYSTEMS INVOLVING NUCLEAR SAFETY OF THE FACILITY. (B) ACTION TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL MALFUNCTIONS OF SYSTEMS OR COMPONENTS. (C) FIRE PROTECTION AND PREVENTION PROCEDURES. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR THE TWO EXAMPLES THAT FOLLOW: (1) THE LICENSEE FAILED TO PREPARE ADEQUATE WRITTEN PROCEDURES COVERING THE UNIT CROSS-CONNECTION FEATURE OF THE RESIDUAL HEAT REMOVAL SYSTEM (RHR) AS DESCRIBED IN PARAGRAPHS 4.8.6 4 AND F.7.16 OF THE FINAL SAFETY ANALYSIS REPORT (FSAR). THIS CROSS-CONNECTION FEATURE ALLOWS EACH UNIT ACCESS TO ONE RHR LOOP BELONGING TO ITS PHYSICALLY ADJACENT UNIT IN ORDER TO REMOVE DECAY HEAT AND RESIDUAL HEAT FROM THE REACTOR CORE AND PRIMARY CONTAINMENT IN THE EVENT OF A COMPLETE FAILURE OF THE AFFECTED UNITS EMERGENCY CORE COOLING SYSTEMS (ECCS). THE LICENSEE'S EXISTING PROCEDURE, OPERATING INSTRUCTION 74, RESIDUAL HEAT REMOVAL SYSTEM, WAS INADEQUATE IN THAT PARAGRAPH IV.F, CROSSTIEING BETWEEN UNITS, WAS LIMITED FOR USE IN THE CONTAINMENT COOLING MODE ONLY AND DID NOT ADDRESS THE REACTOR CORE COOLING MODE. THE PROCEDURE WAS ADDITIONALLY INADEQUATE IN THAT IT DID NOT REQUIRE THE BYPASSING OF CERTAIN RHR SUCTION VALVE INTERLOCKS IN THE RHR PUMP START CIRCUITRY WHICH WOULD PREVENT THE PUMPS FROM STARTING IN THE SPECIFIED CROSSTIE VALVE LINEUP. (2) THE LICENSEE FAILED TO ADHERE TO OPERATING INSTRUCTION 26, HIGH PRESSURE FIRE PROTECTION SYSTEM FOR THE REQUIRED SYSTEM VALVE LINEUP. ON JUNE 17, 1985, DELUGE SYSTEM DRAIN VALVE 1-26-77-SD WAS FOUND MISPOSITIONED TO THE OPEN POSITION. THE MASTER VALVE STATUS CHECKLIST IN THE CONTROL ROOM INDICATED THE VALVE WAS SHUT WHICH WAS CONTRARY TO THE AS-FOUND POSITION.

(8503 4)

10 CFR 50, APPENDIX B, CRITERION XII REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT MEASURING AND TEST DEVICES USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CONTROLLED, CALIBRATED AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. PART III, SECTION 3.1 OF THE TVA NUCLEAR OPERATIONS QUALITY ASSURANCE MANUAL (N-OQAM) IMPLEMENTS THESE REQUIREMENTS. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ADHERE TO THE REQUIREMENTS OF PART III, SECTION 3.1 OF THE N-OQAM AS INDICATED BY THE FOLLOWING EXAMPLES: (A) THE ACCOUNTABILITY OF THE UTILIZATION OF THE M&TE USED AS WORKING STANDARDS BY THE MECHANICAL MAINTENANCE SMALL TOOL REPAIR AND CALIBRATION SHOP WAS NOT DOCUMENTED AS REQUIRED BY PARAGRAPH 2.3.2 OF THE N-OQAM. (B) THE ASSIGNED CALIBRATION INTERVAL FOR M&TE WAS NOT ADEQUATELY BASED UPON EXPERIENCE AVAILABLE THROUGH HISTORICAL CALIBRATION PERFORMANCE RECORDS AS REQUIRED BY PARAGRAPH 3.2.1 OF THE N-OQAM IN THE FOLLOWING TWO EXAMPLES: (1) OSCILLOSCOPE NUMBER 251425 WAS FOUND OUT-OF-TOLERANCE ON ITS LAST FIVE ANNUAL CALIBRATIONS (11/5/80, 10/26/81, 10/19/82, 10/21/83 AND 10/19/84) YET EACH OUT-OF-TOLERANCE INVESTIGATION REPORT EITHER DID NOT ADDRESS THE CALIBRATION INTERVAL OR CONCLUDED THAT THE INTERVAL WAS ADEQUATE. (2) PRESSURE GAGE NUMBER E08895 WAS FOUND OUT-OF-TOLERANCE ON TWO CONSECUTIVE SEMI-ANNUAL CALIBRATIONS (2/29/84 AND 8/28/84) YET THE OUT-OF-TOLERANCE INVESTIGATION REPORTS FAILED TO ADDRESS THE ADEQUACY OF THE CALIBRATION INTERVAL AS REQUIRED BY THE OUT-OF-TOLERANCE NOTICE.

(8503 5)

OTHER ITEMS

Report Period SEP 1985

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

* BROWNS FERRY 1 *

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: JULY 27 - AUGUST 19, 1985 +

INSPECTION REPORT NO: 50-259/85-39 +

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
85-028	07/06/85	08/02/85	LOSS OF STANDBY GAS TREATMENT SYSTEM, THE DEFECTIVE SWITCH WAS REPLACED.
85-035	07/10/85	08/06/85	SECONDARY CONTAINMENT ISOLATION FROM A HIGH RADIATION ALARM, THE EVENT IS AN INADVERTENT ENGINEERED SAFETY FEATURE INITIATION.
85-037	07/18/85	08/09/85	CONTAINMENT ISOLATION DUE TO BLOWN FUSE, THE DEFECTIVE RELAY WAS REPLACED.

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>92,808.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>55,859.6</u>
14. Rx Reserve Shtdn 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 Shtdn 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>-4,196</u>	<u>-24,200</u>	<u>49,278,773</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>58.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>58.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>49.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>49.9</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):

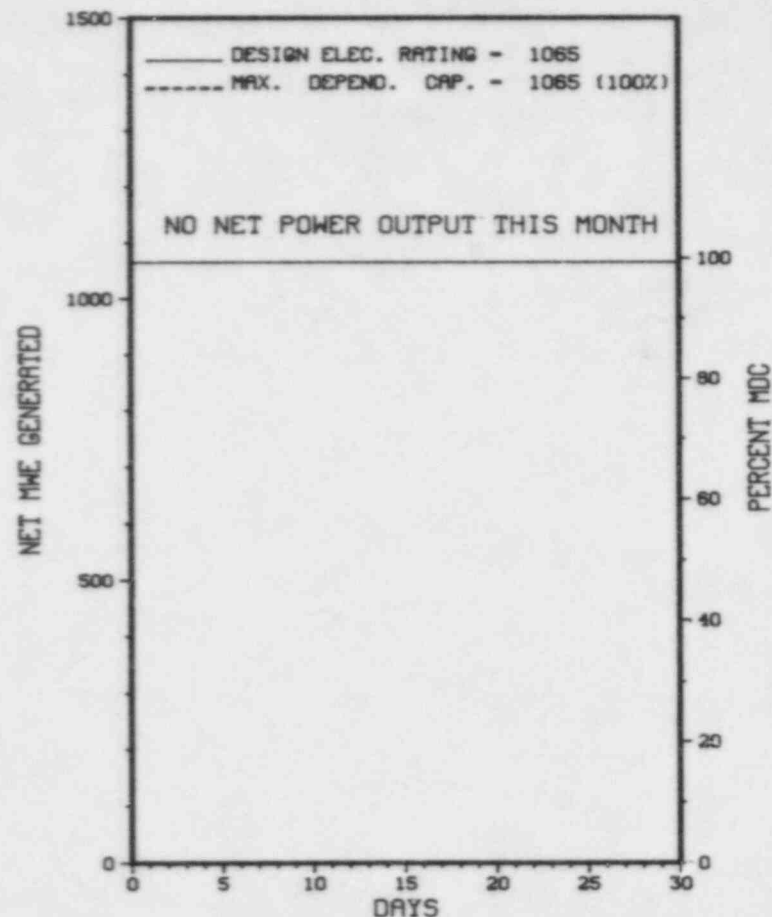
NONE

27. If Currently Shutdown Estimated Startup Date: 05/22/86

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



SEPTEMBER 1985

Report Period SEP 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	720.0	C	4		RC	FUELXX	EOC-5 REFUEL OUTAGE (CONTROLLED SHUTDOWN).

 * SUMMARY *

 BROWNS FERRY 2 REMAINS SHUT DOWN FOR REFUELING.

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)

* BROWNS FERRY 2 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 27 - AUGUST 19 (85-39): THIS ROUTINE INSPECTION INVOLVED 50 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, SURVEILLANCE OBSERVATION, TMI ACTION ITEM, LICENSEE ACTION ON PREVIOUS ENFORCEMENT ITEMS, AND UNRESOLVED ITEMS. ONE VIOLATION - TECHNICAL SPECIFICATION 6.3.A.1 FOR FAILURE TO HAVE AN ADEQUATE PROCEDURE TO COVER OPERATION OF THE STANDBY GAS TREATMENT (SBGT) SYSTEM CHARCOAL BED HEATERS AND FAILURE TO USE AN UPDATED PROCEDURE WHICH COVERED OPERATION OF THE HEATERS. ONE DEVIATION - FINAL SAFETY ANALYSIS REPORT, SECTION 5.3.3.7 FOR NOT HAVING A LOW TEMPERATURE ALARM ON THE SBGT SYSTEM CHARCOAL BED HEATERS.

INSPECTION AUGUST 12-16 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ONSITE IN THE AREAS OF SAFETY-RELATED CABLE TRAY SUPPORTS, MECHANICAL MAINTENANCE ASSOCIATED WITH SAFETY-RELATED PIPE SUPPORT AND RESTRAINT SYSTEMS RESULTING FROM THE TORUS MODIFICATIONS, AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IE BULLETIN 79-02). TWO VIOLATIONS WERE IDENTIFIED - INADEQUATE DESIGN CONTROLS FOR SAFETY-RELATED CABLE TRAY SUPPORTS, PARAGRAPH 5.B.; INADEQUATE CORRECTIVE ACTIONS FOR SAFETY-RELATED CABLE TRAY SYSTEMS, PARAGRAPH 5.C.

INSPECTION AUGUST 12-16 (85-43): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 10.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING THE LOCAL LEAK RATE PROGRAM, WITNESSING FUEL HANDLING, AND FOLLOWUP ON LICENSEE EVENT REPORTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

(8503 4)

(8503 5)

OTHER ITEMS

Report Period SEP 1985

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

* BROWNS FERRY 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN ON SEPTEMBER 15, 1984 FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JULY 27 - AUGUST 19, 1985 +

INSPECTION REPORT NO: 50-260/85-39 +

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

85-012	08/12/85	09/10/85	ENGINEERING SAFEGUARDS ACTUATION FROM REFUEL ZONE RADIATION MONITORS, BOTH RADIATION MONITORS WERE RETURNED TO NORMAL SERVICE.
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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: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>75,263.0</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>-6,666</u>	<u>1,485,453</u>	<u>42,152,114</u>
20. Unit Service Factor	<u>.0</u>	<u>22.9</u>	<u>58.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>22.9</u>	<u>58.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>21.3</u>	<u>52.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>21.3</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>77.1</u>	<u>20.0</u>
25. Forced Outage Hours	<u>720.0</u>	<u>5,054.0</u>	<u>11,008.4</u>

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

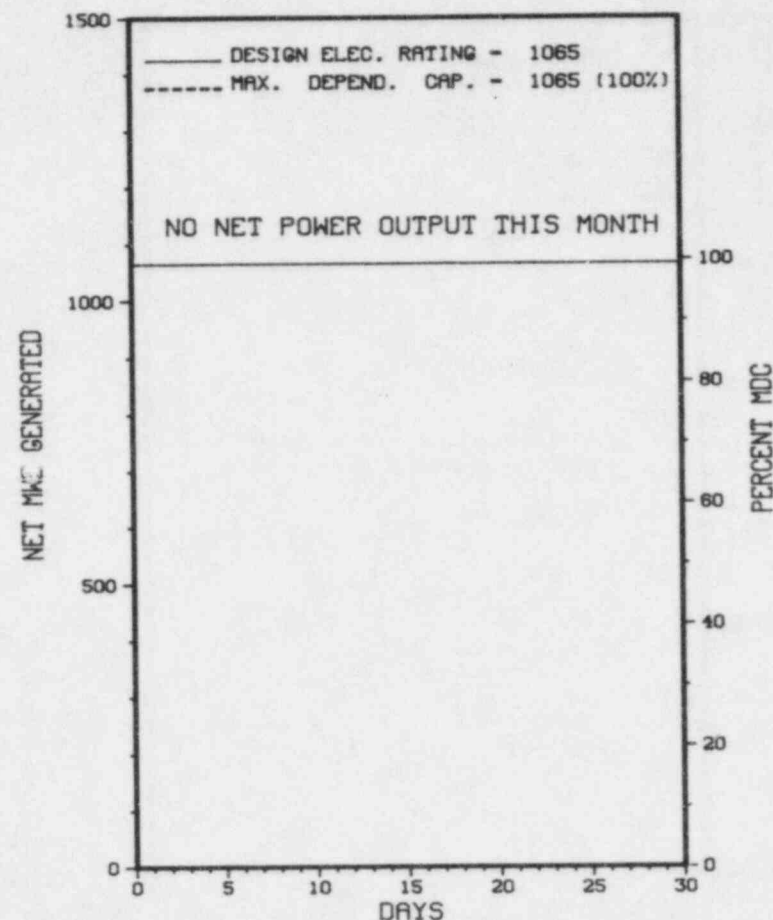
NONE

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

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



SEPTEMBER 1985

Report Period SEP 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	720.0	F	4				THE UNIT REMAINS ON ADMINISTRATIVE HOLD UNTIL VARIOUS TVA AND NRC CONCERNS ARE RESOLVED.

* SUMMARY *

BROWNS FERRY 3 REMAINS SHUT DOWN IN A CONTINUING ADMINISTRATIVE OUTAGE.

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

* BROWNS FERRY 3 *

F A C I L I T Y D A .

Report Period SEP 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 JULY 27 - AUGUST 19 (85-39): THIS ROUTINE INSPECTION INVOLVED 50 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, SURVEILLANCE OBSERVATION, TMI ACTION ITEM, LICENSEE ACTION ON PREVIOUS ENFORCEMENT ITEMS, AND UNRESOLVED ITEMS. ONE VIOLATION - TECHNICAL SPECIFICATION 6.3.A.1 FOR FAILURE TO HAVE AN ADEQUATE PROCEDURE TO COVER OPERATION OF THE STANDBY GAS TREATMENT (SBGT) SYSTEM CHARCOAL BED HEATERS AND FAILURE TO USE AN UPDATED PROCEDURE WHICH COVERED OPERATION OF THE HEATERS. ONE DEVIATION - FINAL SAFETY ANALYSIS REPORT, SECTION 5.3.3.7 FOR NOT HAVING A LOW TEMPERATURE ALARM ON THE SBGT SYSTEM CHARCOAL BED HEATERS.

INSPECTION AUGUST 12-16 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ONSITE IN THE AREAS OF SAFETY-RELATED CABLE TRAY SUPPORTS, MECHANICAL MAINTENANCE ASSOCIATED WITH SAFETY-RELATED PIPE SUPPORT AND RESTRAINT SYSTEMS RESULTING FROM THE TORUS MODIFICATIONS, AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IE BULLETIN 79-02). TWO VIOLATIONS WERE IDENTIFIED - INADEQUATE DESIGN CONTROLS FOR SAFETY-RELATED CABLE TRAY SUPPORTS, PARAGRAPH 5.B.; INADEQUATE CORRECTIVE ACTIONS FOR SAFETY-RELATED CABLE TRAY SYSTEMS, PARAGRAPH 5.C.

INSPECTION AUGUST 12-16 (85-43): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 10.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING THE LOCAL LEAK RATE PROGRAM, WITNESSING FUEL HANDLING, AND FOLLOWUP ON LICENSEE EVENT REPORTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE DRAWINGS. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT THE HIGH PRESSURE COOLANT INJECTION SYSTEM TORUS SUCTION VALVE, 73-27, WAS NOT ELECTRICALLY CONNECTED IN ACCORDANCE WITH TVA DRAWINGS 45N714-2RB, 45N3711-34A, AND 45N3711-5RA. TECHNICAL SPECIFICATION 6.3.A REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS, SHALL BE PREPARED, APPROVED, AND ADHERED TO FOR SYSTEM OPERATION AND CORRECTIVE MAINTENANCE WHICH COULD HAVE AN EFFECT ON THE SAFETY OF THE REACTOR. PROCEDURES WERE NOT ADHERED TO OR WERE INADEQUATE IN THE FOLLOWING EXAMPLES: (1) UNIT 1 CONTROL ROD DRIVE MODULE 34-03 DID NOT CONTAIN THE FUNCTIONAL AND POST MAINTENANCE TEST REQUIREMENTS CONSISTING OF INSERTION AND WITHDRAWAL TIMING. ADDITIONALLY, THE RESPONSIBLE FOREMAN DID NOT ENSURE THE REQUIRED TESTING WAS PERFORMED AND SIGNED OFF. (2) DURING CONTROL ROD TIMING CHECK ON FEBRUARY 22, 1985, ROD WITHDRAWAL AND INSERTION TIMES OF 41 AND 53 SECONDS RESPECTIVELY FOR UNIT 1 CONTROL ROD 34-03 WERE ACCEPTED AS SATISFACTORY. (3) ON FEBRUARY 22, 1985, UNIT 1 CONTROL ROD 34-30 WAS WITHDRAWN PAST NOTCH POSITION 02 WITH DRIVE WATER PRESSURE APPROXIMATELY 50 PSI ABOVE NORMAL LIMITS. (4) WHEN FAILED OPEN RESISTORS ON BOTH HIGH PRESSURE COOLANT INJECTION (HPCI) STEAM LINE DRAIN ISOLATION VALVES' (73-6A AND 73-6B) SOLENOID FIELD SUPPRESSION CIRCUITS WERE FOUND DURING MAINTENANCE ACTIVITY ON MARCH 8, 1985, NO SAFETY EVALUATION WAS PERFORMED TO DETERMINE THE OPERABILITY OF THE HPCI SYSTEM UNDER THIS POTENTIALLY DEGRADED CONDITION. THE RESISTORS WERE NOT REPLACED AND THE HPCI SYSTEM WAS NOT EVALUATED DURING POWER OPERATION UNTIL THE UNIT WAS SHUTDOWN ON MARCH 19, 1985. TECHNICAL SPECIFICATION 6.3.A REQUIRES THAT DETAILED WRITTEN PROCEDURES COVERING THE FOLLOWING ITEMS SHALL BE PREPARED, APPROVED AND ADHERED TO: (A) NORMAL STARTUP, OPERATION, AND SHUTDOWN OF ALL SYSTEMS INVOLVING NUCLEAR SAFETY OF THE FACILITY. (B) ACTION TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL MALFUNCTIONS OF SYSTEMS OR COMPONENTS. (C) FIRE PROTECTION AND PREVENTION PROCEDURES. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR THE TWO EXAMPLES THAT FOLLOW: (1) THE LICENSEE FAILED TO PREPARE ADEQUATE WRITTEN PROCEDURES COVERING THE UNIT CROSS-CONNECTION FEATURE OF THE RESIDUAL HEAT REMOVAL SYSTEM (RHR) AS DESCRIBED IN PARAGRAPHS 4.8.6.4 AND F.7.16 OF THE FINAL SAFETY ANALYSIS REPORT (FSAR). THIS CROSS-CONNECTION FEATURE ALLOWS EACH UNIT ACCESS TO ONE RHR LOOP BELONGING TO ITS PHYSICALLY ADJACENT UNIT IN ORDER TO REMOVE DECAY HEAT AND RESIDUAL HEAT FROM THE REACTOR CORE AND PRIMARY CONTAINMENT IN THE EVENT OF A COMPLETE FAILURE OF THE AFFECTED UNITS EMERGENCY CORE COOLING SYSTEMS (ECCS). THE LICENSEE'S EXISTING PROCEDURE, OPERATING INSTRUCTION 74, RESIDUAL HEAT REMOVAL SYSTEM, WAS INADEQUATE IN THAT PARAGRAPH IV.F, CROSSTIEING BETWEEN UNITS, WAS LIMITED FOR USE IN THE CONTAINMENT COOLING MODE ONLY AND DID NOT ADDRESS THE REACTOR CORE COOLING MODE. THE PROCEDURE WAS ADDITIONALLY INADEQUATE IN THAT IT DID NOT REQUIRE THE BYPASSING OF CERTAIN RHR SUCTION VALVE INTERLOCKS IN THE RHR PUMP START CIRCUITRY WHICH WOULD PREVENT THE PUMPS FROM STARTING IN THE SPECIFIED CROSSTIE VALVE LINEUP. (2) THE LICENSEE FAILED TO ADHERE TO OPERATING INSTRUCTION 26, HIGH PRESSURE FIRE PROTECTION SYSTEM FOR THE REQUIRED SYSTEM VALVE LINEUP. ON JUNE 17, 1985, DELUGE SYSTEM DRAIN VALVE 1-26-77-SD WAS FOUND MISPOSITIONED TO THE OPEN POSITION. THE MASTER VALVE STATUS CHECKLIST IN THE CONTROL ROOM INDICATED THE VALVE WAS SHUT WHICH WAS CONTRARY TO THE AS-FOUND POSITION.

(8503 4)

10 CFR 50, APPENDIX B, CRITERION XII REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT MEASURING AND TEST DEVICES USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CONTROLLED, CALIBRATED AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. PART III, SECTION 3.1 OF THE TVA NUCLEAR OPERATIONS QUALITY ASSURANCE MANUAL (N-OQAM) IMPLEMENTS THESE REQUIREMENTS. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ADHERE TO THE REQUIREMENTS OF PART III, SECTION 3.1 OF THE N-OQAM AS INDICATED BY THE FOLLOWING EXAMPLES: (A) THE ACCOUNTABILITY OF THE UTILIZATION OF THE M&TE USED AS WORKING STANDARDS BY THE MECHANICAL MAINTENANCE SMALL TOOL REPAIR AND CALIBRATION SHOP WAS NOT DOCUMENTED AS REQUIRED BY PARAGRAPH 2.3.2 OF THE N-OQAM. (B) THE ASSIGNED CALIBRATION INTERVAL FOR M&TE WAS NOT ADEQUATELY BASED UPON EXPERIENCE AVAILABLE THROUGH HISTORICAL CALIBRATION PERFORMANCE RECORDS AS REQUIRED BY PARAGRAPH 3.2.1 OF THE N-OQAM IN THE FOLLOWING TWO EXAMPLES: (1) OSCILLOSCOPE NUMBER 251425 WAS FOUND OUT-OF-TOLERANCE ON ITS LAST FIVE ANNUAL CALIBRATIONS (11/5/80, 10/26/81, 10/19/82, 10/21/83 AND 10/19/84) YET EACH OUT-OF-TOLERANCE INVESTIGATION REPORT EITHER DID NOT ADDRESS THE CALIBRATION INTERVAL OR CONCLUDED THAT THE INTERVAL WAS ADEQUATE. (2) PRESSURE GAGE NUMBER E00895 WAS FOUND OUT-OF-TOLERANCE ON TWO CONSECUTIVE SEMI-ANNUAL CALIBRATIONS (2/29/84 AND 8/28/84) YET THE OUT-OF-TOLERANCE INVESTIGATION REPORTS FAILED TO ADDRESS THE ADEQUACY OF THE CALIBRATION INTERVAL AS REQUIRED BY THE OUT-OF-TOLERANCE NOTICE.

(8503 5)

Report Period SEP 1985

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

* BROWNS FERRY 3 *

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: JULY 27 - AUGUST 19, 1985 +

INSPECTION REPORT NO: 50-296/85-39 +

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
85-019	07/25/85	08/23/85	LESS THAN MINIMUM RADIATION MONITORS OPERABLE, RADIATION MONITOR SETPOINTS WERE RESET.
85-020	07/21/85	08/20/85	FAILURE TO INSTALL CORE SPRAY HANGER, THIS HANGER WILL BE STALLED PRIOR TO THE STARTUP OF THE UNIT.
85-021	07/30/85	08/27/85	CONTAINMENT ISOLATION BECAUSE OF A FUSE REMOVAL, MODIFICATION INSTRUCTIONS DID NOT ADEQUATELY ADDRESS ALL EVENTS.

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

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

11. Reasons for Restrictions, If Any: NONE

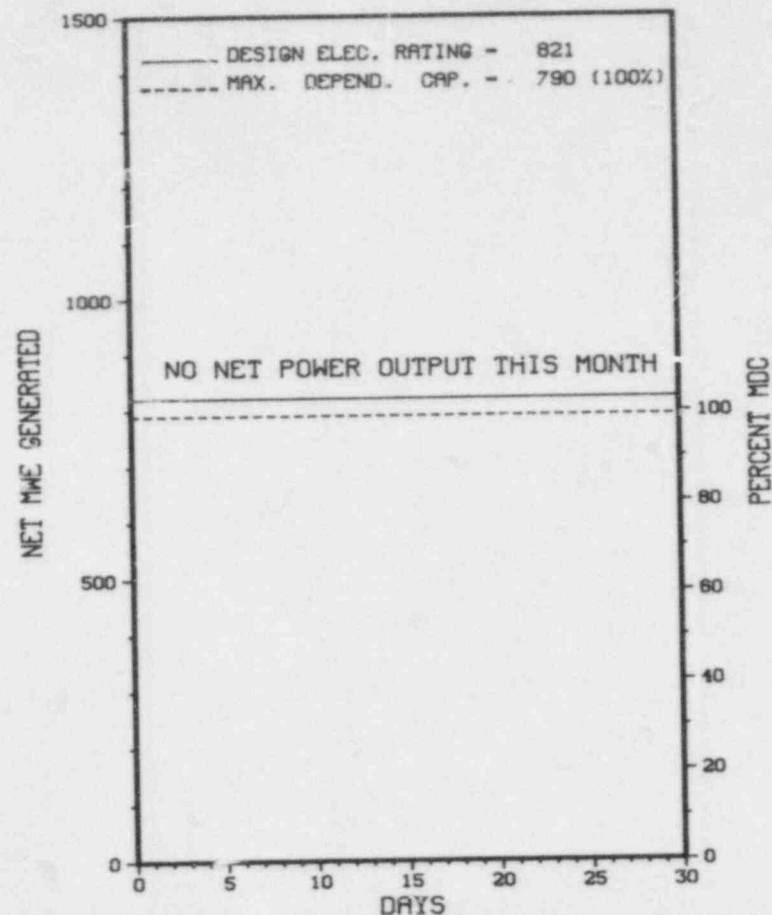
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>74,856.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,079.0</u>	<u>45,500.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,064.4</u>	<u>42,954.4</u>
16. Unit Reserve 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>-6,799</u>	<u>1,120,396</u>	<u>27,766,170</u>
20. Unit Service Factor	<u>.0</u>	<u>31.5</u>	<u>57.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>31.5</u>	<u>57.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>21.6</u>	<u>47.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>20.8</u>	<u>45.2</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):	<u>NONE</u>		

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

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



SEPTEMBER 1985

Report Period SEP 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	720.0	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 SEP 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 ELEC ENER 1ST GENER...DECEMBER 4, 1976

DATE COMMERCIAL OPERATE...MARCH 18, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

CORPORATE ADDRESS.....P. O. BOX 1551
RALEIGH, NORTH CAROLINA 27602

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. RULAND

LICENSING PROJ MANAGER.....M. GROTENHUIS
DOCKET NUMBER.....50-325

LICENSE & DATE ISSUANCE...DPR-71, NOVEMBER 12, 1976

PUBLIC DOCUMENT ROOM.....SOUTHPORT-BRUNSWICK COUNTY LIBRARY
108 W. MOORE STREET
SOUTHPORT, NORTH CAROLINA 28461

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 1-31 (85-27): THIS ROUTINE SAFETY INSPECTION INVOLVED 88.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ONSITE REVIEW COMMITTEE, ESF SYSTEM WALKDOWN, LICENSEE EVENT REPORTS REVIEW, FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS, REFUELING ACTIVITIES AND PLANT MODIFICATIONS. ONE VIOLATION WAS IDENTIFIED: BOLTS REPLACED ON HYDRAULIC CONTROL UNITS WITH TYPE OTHER THAN THAT SPECIFIED ON DRAWINGS. ONE UNRESOLVED ITEM WAS IDENTIFIED: SEISMIC QUALIFICATION OF HYDRAULIC CONTROL UNIT FRAME.

INSPECTION AUGUST 19-23 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 49.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE TESTING AND CALIBRATION CONTROL; TESTS AND EXPERIMENTS; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING OF EQUIPMENT AND MATERIALS; QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) ADMINISTRATION; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 26-30 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING AND WITNESSING SURVEILLANCE TESTING, WITNESSING CONTAINMENT ISOLATION VALVE TESTING, FOLLOWUP OF IE BULLETIN 84-03, AND A PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* BRUNSWICK 1 *

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THE LICENSEE TO ESTABLISH PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM H.2 OF THE GUIDE SPECIFIES THAT PROCEDURES ARE REQUIRED FOR EACH SURVEILLANCE TEST, INSPECTION AND CALIBRATION LISTED IN THE TECHNICAL SPECIFICATION. TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENT 4.9.6.D REQUIRES DEMONSTRATION OF THE SLACK CABLE CUTOFF WHEN THE LOAD IS LESS THAN 50 PLUS/MINUS 25 POUNDS FOR THE MAST FUEL GRIPPER. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT ESTABLISH AN ADEQUATE PROCEDURE FOR TECHNICAL SPECIFICATION SURVEILLANCE 4.9.6.D IN THAT PERIODIC TEST PT-18.1 DID NOT DEMONSTRATE OPERATION OF THE SLACK CABLE CUTOFF WHEN THE LOAD WAS LESS THAN 50 PLUS/MINUS 25 POUNDS FOR THE MAST FUEL GRIPPER.
(8501 5)

ADMINISTRATIVE INSTRUCTION (AI)-59, JUMPERING, WIRE REMOVAL AND DESIGNATED JUMPER, REQUIRES THAT THE OPERATIONS ENGINEER REPORT TO THE PNSC MONTHLY CONCERNING THE STATUS OF BOTH SAFETY AND NON-SAFETY RELATED JUMPERS AND WIRE REMOVALS. AI-59 ALSO REQUIRES THE MANAGER-MAINTENANCE AND MANAGER-TECHNICAL SUPPORT TO REPORT MONTHLY ON THE STATUS OF TROUBLE TICKETS AND ENGINEERING WORK REQUESTS REQUIRED TO REMOVE JUMPERS OR RETERMINATE WIRE REMOVALS. CONTRARY TO THE ABOVE, THE OPERATIONS ENGINEER ONLY REPORTS THE STATUS OF JUMPERS/WIRE REMOVALS LISTED IN THE JUMPER AND WIRE REMOVAL LOG, AND THE MANAGER-MAINTENANCE AND MANAGER-TECHNICAL SUPPORT DO NOT REPORT THE STATUS OF TROUBLE TICKETS AND ENGINEERING WORK REQUEST REQUIRED TO REMOVE JUMPERS OR RETERMINATE WIRE REMOVALS.
(8502 4)

10 CFR 50 APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY FSAR SECTION 17.2.16, CORRECTIVE ACTION, REQUIRES MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY (I.E., DEFICIENCIES) ARE PROMPTLY IDENTIFIED AND CORRECTED. TECHNICAL SPECIFICATION 6.8.1.C REQUIRES THAT THE LICENSEE MAINTAIN AND IMPLEMENT PROCEDURES SPECIFIED IN REG. GUIDE 1.33, NOVEMBER 1972. ITEM "E" OF THE GUIDE REQUIRES THAT PROCEDURES FOR CORRECTING ABNORMAL, OFFNORMAL, OR ALARM CONDITION BE IMPLEMENTED. CONTRARY TO THE ABOVE, A CONDITION ADVERSE TO QUALITY WAS NOT ADEQUATELY CORRECTED IN THAT MOST ANNUNCIATOR PROCEDURES WHICH REQUIRED CHANGES, NECESSITATED BY THE INTRODUCTION OF EMERGENCY OPERATING AND ABNORMAL OPERATING PROCEDURES AND THE ELIMINATION OF THE EMERGENCY INSTRUCTIONS WERE NOT UPDATED AND CORRECTED OR AN ALTERNATE MEANS ADEQUATELY PROVIDED TO CLARIFY REFERENCE DISCREPANCIES CONTAINED IN THE PROCEDURES. 10 CFR 50 APPENDIX B, CRITERION V, AS IMPLEMENTED BY FSAR SECTION 17.2.5, REQUIRES ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH DRAWINGS. CONTRARY TO THE ABOVE, CONTROL ROD DRIVE HYDRAULIC CONTROL UNITS ON UNIT 2 WERE NOT INSTALLED PER DRAWING, IN THAT 4 UNITS WERE FOUND WITH LOOSE BOLTING AND 1 UNIT HAD 2 OUT OF 4 RACK-SUPPORT-TO-FOUNDATION BOLTS MISSING.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MAINTENANCE AND REFUELING OUTAGE.

Report Period SEP 1985

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

* BRUNSWICK 1 *

OTHER ITEMS

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

INSPECTION REPORT NO: 50-325/85-27 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-024	06/21/85	07/16/85	MANUALLY INITIATED ISOLATION OF HEATING VENTILATION AIR CONDITIONING SYSTEM, THE EVENT RESULTED FROM A SPURIOUS CHLORINE ALARM.
85-041	08/02/85	08/30/85	AUTOMATIC AND MANUALLY INITIATED ISOLATIONS, THE CAUSE COULD NOT BE DETERMINED.
85-043	07/31/85	08/30/85	INOPERABILITY OF CHLORINE DETECTORS, THE LACK OF DETECTOR DRIP FLOW RESULTED FROM FUNGI GROWTH IN THE SOLUTION.
85-044	08/06/85	09/05/85	PRIMARY CONTAINMENT GROUP 1 ISOLATION SIGNALS, THE NO. 2 SV SERVO UNIT WILL APPROPRIATELY BE ADJUSTED OR REPLACED.
85-045	08/15/85	09/12/85	REACTOR PROTECTION SYSTEM ACTUATION, THIS EVENT IS ATTRIBUTED TO A SPURIOUS UPSCALE ELECTRONIC NOISE SPIKE.

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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: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

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

11. Reasons for Restrictions, If Any:
NONE

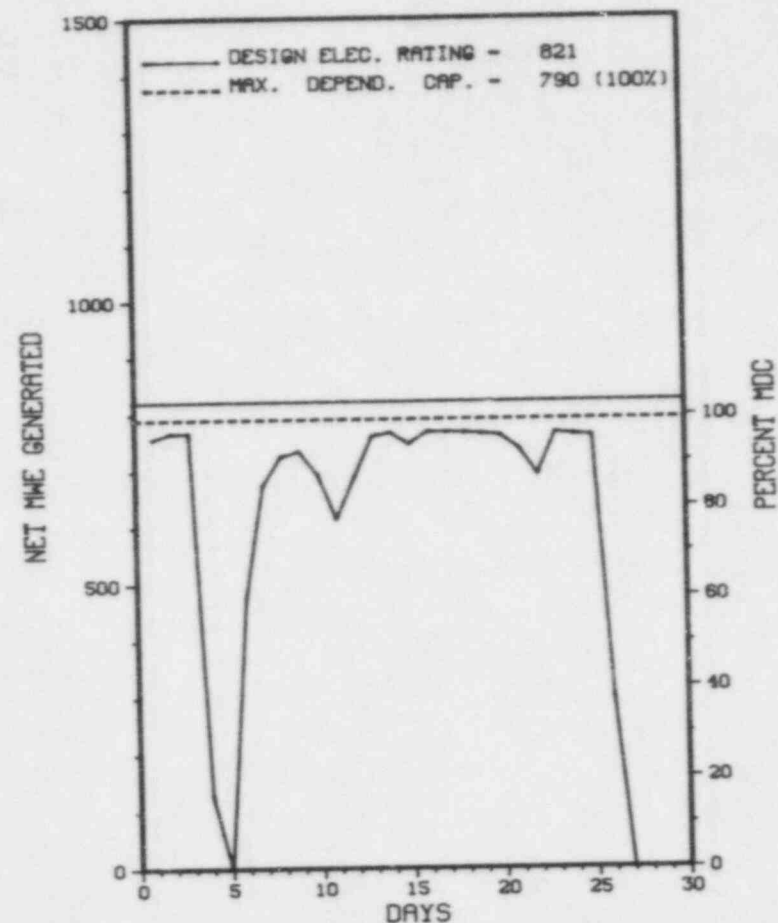
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>86,880.0</u>
13. Hours Reactor Critical	<u>576.9</u>	<u>5,979.7</u>	<u>53,357.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>569.2</u>	<u>5,903.3</u>	<u>49,928.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,305,150</u>	<u>13,514,769</u>	<u>96,625,628</u>
18. Gross Elec Ener (MWH)	<u>425,930</u>	<u>4,467,066</u>	<u>32,068,770</u>
19. Net Elec Ener (MWH)	<u>410,195</u>	<u>4,322,813</u>	<u>30,743,087</u>
20. Unit Service Factor	<u>79.1</u>	<u>90.1</u>	<u>57.5</u>
21. Unit Avail Factor	<u>79.1</u>	<u>90.1</u>	<u>57.5</u>
22. Unit Cap Factor (MDC Net)	<u>72.1</u>	<u>83.5</u>	<u>44.8</u>
23. Unit Cap Factor (DER Net)	<u>69.4</u>	<u>80.4</u>	<u>43.1</u>
24. Unit Forced Outage Rate	<u>20.9</u>	<u>5.8</u>	<u>16.8</u>
25. Forced Outage Hours	<u>150.8</u>	<u>362.0</u>	<u>10,510.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 10/12/85

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-058	09/04/85	F	42.5	G	2	2-85-005		REACTOR SCRAM - LOSS OF INSTRUMENT AIR TO SCRAM HEADER.
85-061	09/07/85	F	0.0	A	5			OPERATING AT REDUCED POWER DUE TO HIGH DRYWELL TEMPERATURE.
85-065	09/15/85	S	0.0	b	5			ROUTINE VALVE TESTING AND PT-14.1.
85-066	09/21/85	S	0.0	B	5			DEBRIS FILTER FLUSH AND ROUTINE VALVE TESTING.
85-067	09/26/85	F	108.3	H	1			GENERATOR REMOVED FROM SERVICE DUE TO HURRICANE WARNING.

* SUMMARY *

BRUNSWICK 2 OPERATED WITH 3 REDUCTIONS AND 2 OUTAGES, SHUTTING DOWN ON SEPT. 26TH FOR HURRICANE WARNING.

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

* BRUNSWICK 2 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 1-31 (85-27): THIS ROUTINE SAFETY INSPECTION INVOLVED 88.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ONSITE REVIEW COMMITTEE, ESF SYSTEM WALKDOWN, LICENSEE EVENT REPORTS REVIEW, FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS, REFUELING ACTIVITIES AND PLANT MODIFICATIONS. ONE VIOLATION WAS IDENTIFIED: BOLTS REPLACED ON HYDRAULIC CONTROL UNITS WITH TYPE OTHER THAN THAT SPECIFIED ON DRAWINGS. ONE UNRESOLVED ITEM WAS IDENTIFIED: SEISMIC QUALIFICATION OF HYDRAULIC CONTROL UNIT FRAME.

INSPECTION AUGUST 19-23 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 49.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF: LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE TESTING AND CALIBRATION CONTROL; TESTS AND EXPERIMENTS; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING OF EQUIPMENT AND MATERIALS; QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) ADMINISTRATION; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 26-30 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS ONSITE IN THE AREAS OF REVIEWING AND WITNESSING SURVEILLANCE TESTING, WITNESSING CONTAINMENT ISOLATION VALVE TESTING, FOLLOWUP OF IE BULLETIN 84-03, AND A PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THE LICENSEE TO ESTABLISH PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM H.2 OF THE GUIDE SPECIFIES THAT PROCEDURES ARE REQUIRED FOR EACH SURVEILLANCE TEST, INSPECTION AND CALIBRATION LISTED IN THE TECHNICAL SPECIFICATION. TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENT 4.9.6.D REQUIRES DEMONSTRATION OF THE SLACK CABLE CUTOFF WHEN THE LOAD IS LESS THAN 50 PLUS/MINUS 25 POUNDS FOR THE MAST FUEL GRIPPER. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT ESTABLISH AN ADEQUATE PROCEDURE FOR TECHNICAL SPECIFICATION SURVEILLANCE 4.9.6.D IN THAT PERIODIC TEST PT-18.1 DID NOT DEMONSTRATE OPERATION OF THE SLACK CABLE CUTOFF WHEN THE LOAD WAS LESS THAN 50 PLUS/MINUS 25 POUNDS FOR THE MAST FUEL GRIPPER.
(8501 5)

ADMINISTRATIVE INSTRUCTION (AI)-59, JUMPERING, WIRE REMOVAL AND DESIGNATED JUMPER, REQUIRES THAT THE OPERATIONS ENGINEER REPORT TO THE PNSC MONTHLY CONCERNING THE STATUS OF BOTH SAFETY AND NON-SAFETY RELATED JUMPERS AND WIRE REMOVALS. AI-59 ALSO REQUIRES THE MANAGER-MAINTENANCE AND MANAGER-TECHNICAL SUPPORT TO REPORT MONTHLY ON THE STATUS OF TROUBLE TICKETS AND ENGINEERING WORK REQUESTS REQUIRED TO REMOVE JUMPERS OR RETERMINATE WIRE REMOVALS. CONTRARY TO THE ABOVE, THE OPERATIONS ENGINEER ONLY REPORTS THE STATUS OF JUMPERS/WIRE REMOVALS LISTED IN THE JUMPER AND WIRE REMOVAL LOG, AND THE MANAGER-MAINTENANCE AND MANAGER-TECHNICAL SUPPORT DO NOT REPORT THE STATUS OF TROUBLE TICKETS AND ENGINEERING WORK REQUEST REQUIRED TO REMOVE JUMPERS OR RETERMINATE WIRE REMOVALS.
(8502 4)

10 CFR 50 APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY FSAR SECTION 17.2.16, CORRECTIVE ACTION, REQUIRES MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY (I.E., DEFICIENCIES) ARE PROMPTLY IDENTIFIED AND CORRECTED. TECHNICAL SPECIFICATION 6.8.1.C REQUIRES THAT THE LICENSEE MAINTAIN AND IMPLEMENT PROCEDURES SPECIFIED IN REG. GUIDE 1.33, NOVEMBER 1972. ITEM "E" OF THE GUIDE REQUIRES THAT PROCEDURES FOR CORRECTING ABNORMAL, OFFNORMAL, OR ALARM CONDITION BE IMPLEMENTED. CONTRARY TO THE ABOVE, A CONDITION ADVERSE TO QUALITY WAS NOT ADEQUATELY CORRECTED IN THAT MOST ANNUNCIATOR PROCEDURES WHICH REQUIRED CHANGES, NECESSITATED BY THE INTRODUCTION OF EMERGENCY OPERATING AND ABNORMAL OPERATING PROCEDURES AND THE ELIMINATION OF THE EMERGENCY INSTRUCTIONS WERE NOT UPDATED AND CORRECTED OR AN ALTERNATE MEANS ADEQUATELY PROVIDED TO CLARIFY REFERENCE DISCREPANCIES CONTAINED IN THE PROCEDURES. 10 CFR 50 APPENDIX B, CRITERION V, AS IMPLEMENTED BY FSAR SECTION 17.2.5, REQUIRES ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH DRAWINGS. CONTRARY TO THE ABOVE, CONTROL ROD DRIVE HYDRAULIC CONTROL UNITS ON UNIT 2 WERE NOT INSTALLED PER DRAWING, IN THAT 4 UNITS WERE FOUND WITH LOOSE BOLTING AND 1 UNIT HAD 2 OUT OF 4 RACK-SUPPORT-TO-FOUNDATION BOLTS MISSING.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR MAINTENANCE. +

* BRUNSWICK 2 *

Report Period SEP 1985 I N S P E C T I O N S T A T U S - (CONTINUED)

OTHER ITEMS

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

INSPECTION REPORT NO: 50-324/85-27 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE.			
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1. Docket: 50-454 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 360.0

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): 1075

11. Reasons for Restrictions, If Any: _____

EXCESSIVE STEAM GENERATOR MOISTURE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>360.0</u>	<u>360.0</u>	<u>360.0</u>
13. Hours Reactor Critical	<u>360.0</u>	<u>360.0</u>	<u>360.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>291.1</u>	<u>291.1</u>	<u>291.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>774,891</u>	<u>774,891</u>	<u>774,891</u>
18. Gross Elec Ener (MWH)	<u>251,688</u>	<u>251,688</u>	<u>251,688</u>
19. Net Elec Ener (MWH)	<u>234,225</u>	<u>234,225</u>	<u>234,225</u>
20. Unit Service Factor	<u>80.9</u>	<u>80.9</u>	<u>80.9</u>
21. Unit Avail Factor	<u>80.9</u>	<u>80.9</u>	<u>80.9</u>
22. Unit Cap Factor (MDC Net)	<u>57.6</u>	<u>57.6</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>58.1</u>	<u>58.1</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>19.1</u>	<u>19.1</u>	<u>19.1</u>
25. Forced Outage Hours	<u>68.9</u>	<u>68.9</u>	<u>68.9</u>

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

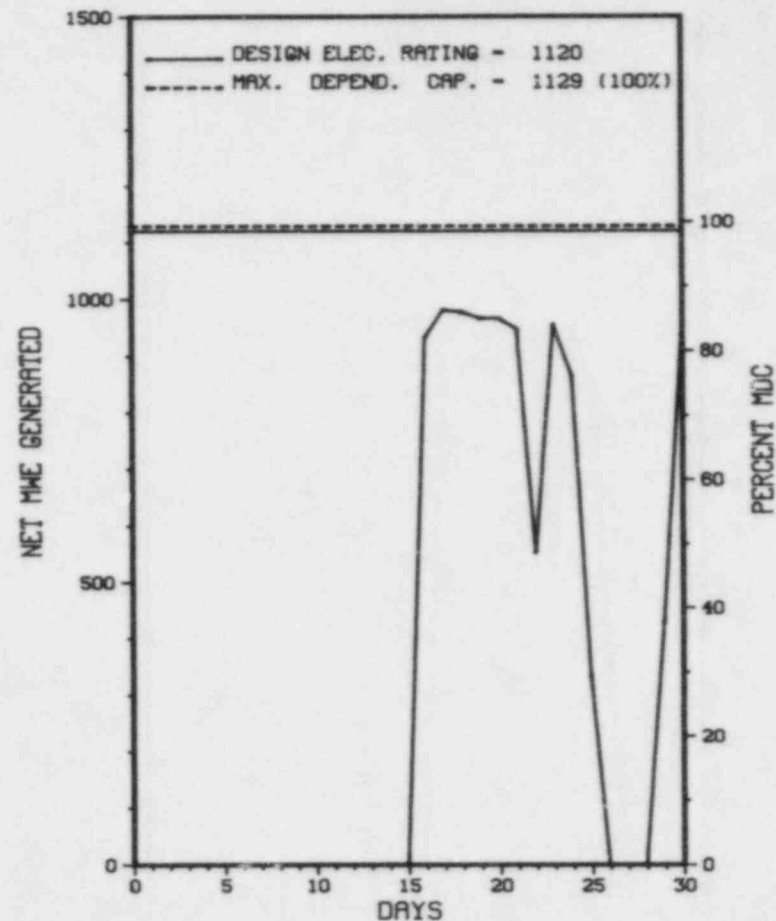
NONE

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

* BYRON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* BYRON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	09/16/85	F	0.0	D	5				REDUCED LOAD DUE TO THE FAILURE OF TRAIN 'B' SOLID STATE PROTECTION SYSTEM LOGIC SWITCH "A", POSITION 17.
2	09/22/85	F	0.0	A	5				REDUCED LOAD TO ALLOW REPAIRS ON 1C FEEDWATER PUMP.
3	09/26/85	F	68.9	D	1				TECH SPEC REQUIRED SHUTDOWN DUE TO A DEVIATION IN ALLOWABLE TOLERANCE OF CONTAINMENT FLOOR DRAIN SUMP WATER LEVEL INDICATION.

* SUMMARY *

BYRON 1 DECLARED COMMERCIAL OPERATION ON SEPTEMBER 16TH AND OPERATED WITH 2 REDUCTIONS AND 1 OUTAGE DURING THE REMAINDER OF SEPTEMBER.

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

* BYRON 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 2 - SEPTEMBER 3 (85036): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS, A HEADQUARTERS INSPECTOR AND A REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; 10 CFR 21 REPORTS; LERS; SURVEILLANCE; MAINTENANCE; OPERATIONAL SAFETY; STARTUP TESTING; EVENT FOLLOWUP AND OTHER ACTIVITIES. THE INSPECTION CONSISTED OF 173 INSPECTOR-HOURS ONSITE BY 4 NRC INSPECTORS INCLUDING 39 INSPECTOR-HOURS DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED AND NO ISSUES WERE IDENTIFIED WHICH INDICATE POTENTIAL PUBLIC HEALTH AND SAFETY CONCERNS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period SEP 1985

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

* BYRON 1 *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

MISLEADING INFORMATION WAS PROVIDED TO THE NRC FOLLOWING MULTIPLE ROD ROPS WHICH CONTRIBUTED TO THE DELAY OF CONNECTING THE ROOT CAUSE TO THE PROBLEM. LICENSEE ACTION IS NECESSARY TO ENSURE THEIR EXISTING PROGRAMS FOR TROUBLESHOOTING OPERATIONAL OCCURRENCES ARE UTILIZED EFFECTIVELY AND TO ENSURE LICENSEE MANAGEMENT IS AWARE OF THE TRUE EXTENT OF THESE CORRECTIVE ACTIONS.

PLANT STATUS:

START-UP TESTING COMPLETED 9/9/85.

LAST IE SITE INSPECTION DATE: OCTOBER 28-31, 1985

INSPECTION REPORT NO: 85045

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
85-74	07/29/85	08/29/85	AUTOMATIC ACTUATION OF FUEL HANDLING BUILDING CHARCOAL BOOSTER FAN
08/01/85	08/28/85		FAILURE OF LEAK RATE SURVEILLANCE ON CONTAINMENT AIRLOCK
85-76	08/05/85	09/03/85	AUTO START OF OA VC M/U FAN
85-77	08/07/85	08/28/85	AUTO START OF OB FH BOOSTER FAN
85-78	08/07/85	09/04/85	REACTOR TRIP
85-79	08/09/85	09/04/85	FAILURE TO PERFORM AFD VERIFICATION FOLLOWING ALARM RESTORATION
85-80	08/06/85	09/10/85	INCORRECT CALORIMETRIC CALCULATION RESULTING IN EXCEEDING 100% RTP
85-81	07/31/85	08/28/85	RH SYSTEM INOPERABLE DUE TO SURVEILLANCE LINEUP
85-82	08/11/85	09/10/85	FAILURE TO OBTAIN AND ANALYZE SAMPLES REQUIRED BY TECHNICAL SPECIFICATIONS
85-83	08/20/85	09/19/85	REACTOR COOLANT WATER INVENTORY MISSED SURVEILLANCE

Report Period SEP 1985

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

* BYRON 1 *

85-85	08/09/85	09/23/85	ASME INSPECTION NOT PERFORMED ON TWO SI VALVE WELDS
85-86	08/29/85	09/27/85	ENVIRONMENTALLY UNQUALIFIED TERMINAL STRIPS IN MSIV'S
85-87	09/02/85	09/27/85	FIRE WATCHES NOT PROMPTLY INITIATED ON SURVEILLANCE FAILURE
85-88	09/08/85	09/27/85	ATTO START OF OB VC M/U FAN

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1. Docket: 50-483 OPERATING STATUS

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>6,853.5</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,052.0</u>	<u>6,354.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,934.3</u>	<u>6,236.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,399,444</u>	<u>18,566,213</u>	<u>19,567,738</u>
18. Gross Elec Ener (MWH)	<u>818,945</u>	<u>6,286,642</u>	<u>6,625,822</u>
19. Net Elec Ener (MWH)	<u>781,346</u>	<u>5,966,562</u>	<u>6,289,585</u>
20. Unit Service Factor	<u>100.0</u>	<u>90.6</u>	<u>91.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>90.6</u>	<u>91.0</u>
22. Unit Cap Factor (MDC Net)	<u>96.9</u>	<u>81.3</u>	<u>81.9</u>
23. Unit Cap Factor (DER Net)	<u>92.7</u>	<u>77.8</u>	<u>78.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.1</u>	<u>4.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>320.4</u>	<u>320.4</u>

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

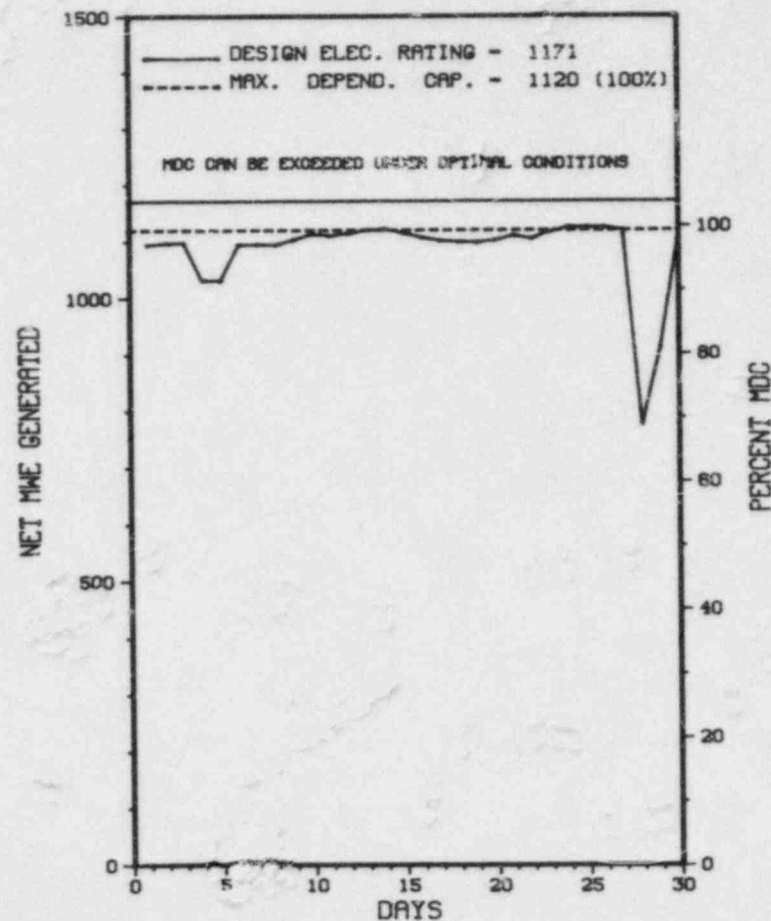
NONE

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

* CALLAWAY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	09/04/85	S	0.0	B	5				LOAD REDUCTION TO 60% POWER TO REPAIR SEAL LEAKOFF LINE ON 'C' CONDENSATE PUMP.
20	09/27/85	S	0.0	B	5				LOAD REDUCTION TO 67% POWER TO REPAIR LEAKS AT THE INTAKE (FIRST AND SECOND STAGE REHEAT) AND CHANGE THE OIL IN THE CIRCULATING WATER PUMPS.

* SUMMARY *

CALLAWAY 1 OPERATED WITH 2 REDUCTIONS DURING SEPTEMBER.

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)

* CALLAWAY 1 *

FACILITY DATA

Report Period SEP 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.....50-483
LICENSE & DATE ISSUANCE...NPF-30, OCTOBER 18, 1984
PUBLIC DOCUMENT ROOM.....FULTON CITY LIBRARY
709 MARKET STREET
FULTON, MO 65251

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 16-19, 24, 25, AND 31 (85017): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION AND RADWASTE PROGRAMS INCLUDING: SOLID RADWASTE, LIQUID RADWASTE, GASEOUS RADWASTE, TRANSPORTATION ACTIVITIES, ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, AND OPEN ITEMS. ALSO CERTAIN TMI ACTION PLAN ITEMS, AND LICENSEE RESPONSES TO IE INFORMATION NOTICES NO. 85-42 AND 85-43 AND IE BULLETINS NO. 78-08 AND 84-03 WERE REVIEWED. THE INSPECTION INVOLVED 54 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THREE VIOLATIONS (FAILURE TO LEAK TEST SEALED SOURCES AND FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURES) AND NO DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period SEP 1985

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

* CALLAWAY 1 *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 21 - NOVEMBER 11, 1985

INSPECTION REPORT NO: 85022

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

85-37	08/17/85	09/16/85	OPERATION OUTSIDE T/S AFD TARGET BAND
85-38	08/20/85	09/17/85	REACTOR TRIP DUE TO LOSS OF FIELD TO THE MAIN GENERATOR
85-39	08/20/85	09/19/85	REACTOR PROTECTION SYSTEM ACTUATION
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: NONE

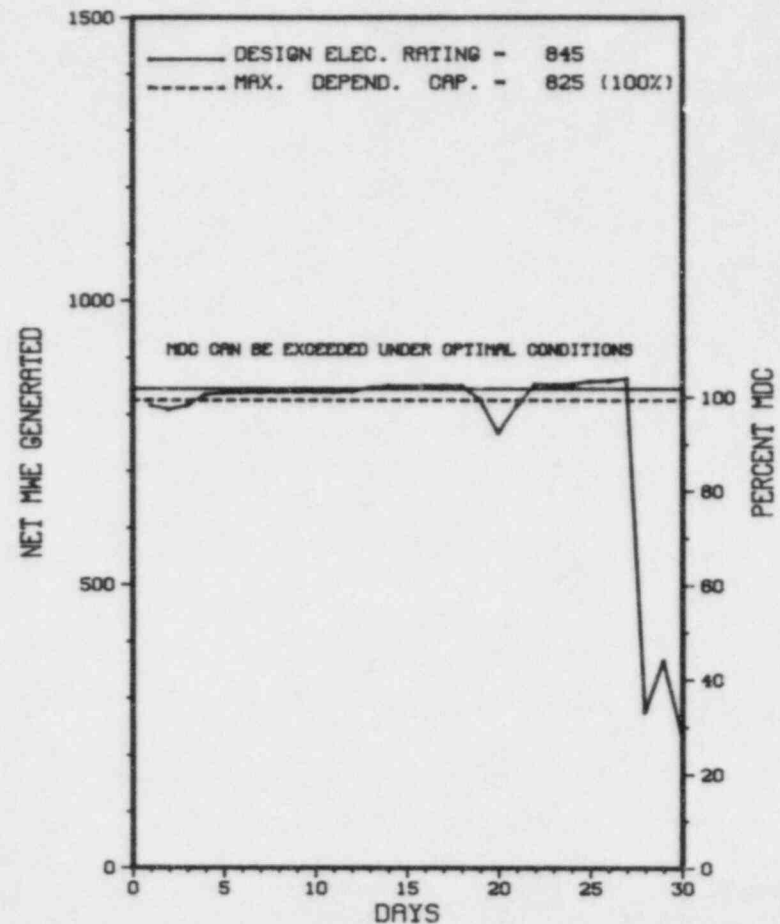
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>91,164.0</u>
13. Hours Reactor Critical	<u>706.6</u>	<u>3,302.2</u>	<u>70,800.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>314.3</u>	<u>2,299.2</u>
15. Hrs Generator On-Line	<u>682.9</u>	<u>3,131.1</u>	<u>69,301.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,804,200</u>	<u>8,050,268</u>	<u>171,833,005</u>
18. Gross Elec Ener (MWH)	<u>590,855</u>	<u>2,698,670</u>	<u>56,742,050</u>
19. Net Elec Ener (MWH)	<u>564,329</u>	<u>2,575,618</u>	<u>54,132,185</u>
20. Unit Service Factor	<u>94.8</u>	<u>47.8</u>	<u>76.0</u>
21. Unit Avail Factor	<u>94.8</u>	<u>47.8</u>	<u>76.0</u>
22. Unit Cap Factor (MDC Net)	<u>95.0</u>	<u>47.7</u>	<u>72.5*</u>
23. Unit Cap Factor (DER Net)	<u>92.8</u>	<u>46.5</u>	<u>70.3</u>
24. Unit Forced Outage Rate	<u>5.2</u>	<u>5.0</u>	<u>8.3</u>
25. Forced Outage Hours	<u>37.1</u>	<u>163.1</u>	<u>6,143.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 10/01/85

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

PAGE 2-058

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-09	09/19/85	S	0.0	B	5		HA	HTEXCH	REDUCED LOAD TO CLEAN CONDENSER WATERBOXES AND TO REPAIR A HYDROGEN LEAK ON THE MAIN GENERATOR COOLING SYSTEM.
85-10	09/28/85	F	20.3	A	1		HA	PIPEXX	THE MAIN TURBINE WAS REMOVED FROM SERVICE, WHILE THE REACTOR REMAINED CRITICAL, TO REPAIR A HIGH PRESSURE DRAINLINE ON THE TURBINE.
85-11	09/29/85	F	16.8	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.

* SUMMARY *

CALVERT CLIFFS 1 OPERATED WITH 2 OUTAGES AND 1 REDUCTION DURING SEPTEMBER.

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

* CALVERT CLIFFS 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 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

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

=====

1. Docket: 50-318 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>74,519.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,889.5</u>	<u>62,447.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>292.6</u>	<u>1,260.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,869.8</u>	<u>61,488.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,927,915</u>	<u>15,525,479</u>	<u>154,246,415</u>
18. Gross Elec Ener (MWH)	<u>627,977</u>	<u>5,117,330</u>	<u>50,775,533</u>
19. Net Elec Ener (MWH)	<u>600,958</u>	<u>4,896,587</u>	<u>48,438,795</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.6</u>	<u>82.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.6</u>	<u>82.5</u>
22. Unit Cap Factor (MDC Net)	<u>101.2</u>	<u>90.6</u>	<u>79.1*</u>
23. Unit Cap Factor (DER Net)	<u>98.8</u>	<u>88.5</u>	<u>76.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.1</u>	<u>6.1</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):

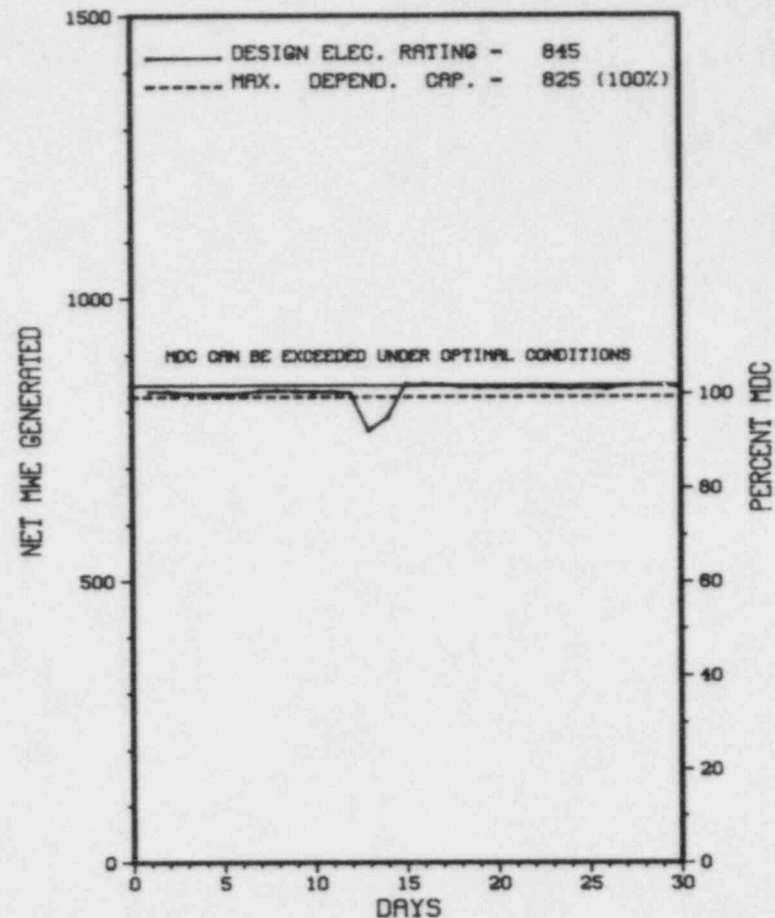
REFUELING: 10/19/85 - 12/22/85.

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-14	09/12/85	S	0.0	B	5		HF	HTEXCH	REDUCED LOAD TO CLEAN CONDENSER WATER BOXES.

* SUMMARY *

CALVERT CLIFFS 2 OPERATED WITH 1 REDUCTION DURING SEPTEMBER.

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)

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 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: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>2,256.0</u>	<u>2,256.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,220.2</u>	<u>2,220.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,156.0</u>	<u>2,156.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,429,044</u>	<u>7,022,230</u>	<u>7,022,230</u>
18. Gross Elec Ener (MWH)	<u>845,079</u>	<u>2,416,126</u>	<u>2,416,126</u>
19. Net Elec Ener (MWH)	<u>799,683</u>	<u>2,275,582</u>	<u>2,275,582</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.6</u>	<u>95.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.6</u>	<u>95.6</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>88.1</u>	<u>88.1</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>88.1</u>	<u>88.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.4</u>	<u>4.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>100.0</u>	<u>100.0</u>

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

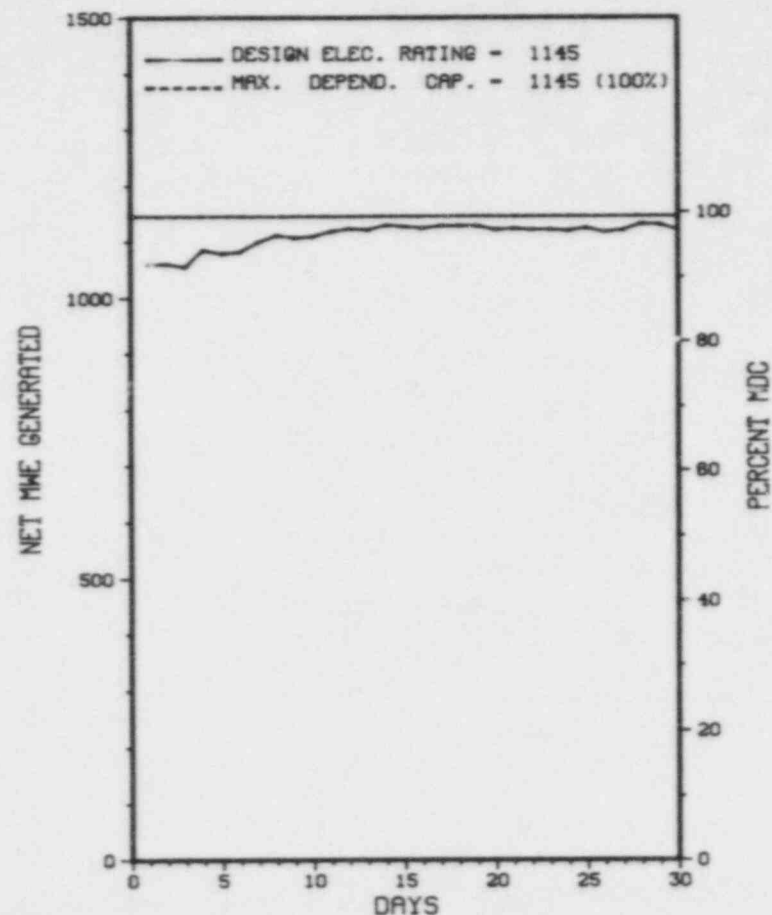
NONE

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

* CATAWBA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CATAWBA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
28-P	09/01/85	F	0.0	A	5		CB	HEATEX	MOISTURE CARRYOVER OUT OF SPEC AT 100% POWER (MAINTAIN 94%).
29-P	09/03/85	F	0.0	A	5		HH	PUMPXX	SECURED HEATER DRAIN PUMP (1C2) FOR INSPECTION OF MOTOR THRUST BOLTS.
30-P	09/03/85	F	0.0	A	5		CB	HEATEX	MOISTURE CARRYOVER OUT OF SPEC. AT 100% POWER (MAINTAIN 94%).
31-P	09/04/85	F	0.0	A	5		CH	VALVEX	SECURED HEATER DRAIN PUMP (1C2) TO REPAIR DISCHARGE CONTROL VALVE.
32-P	09/06/85	F	0.0	A	5		CH	VALVEX	SECURED HEATER DRAIN PUMP (1C2) TO REPAIR FLOW CONTROL VALVE.
33-P	09/06/85	F	0.0	A	5		CH	VALVEX	SECURED HEATER DRAIN PUMP (1C2) LEVEL CONTROL NOT RESPONDING.
34-P	09/07/85	F	0.0	A	5		CH	VALVEX	SECURED HEATER DRAIN PUMP (1C2) LEVEL CONTROL NOT RESPONDING.
35-P	09/13/85	S	0.0	B	5		CC	VALVEX	CONTROL VALVE MOVEMENT TEST.
36-P	09/20/85	S	0.0	B	5		CC	VALVEX	CONTROL VALVE MOVEMENT TEST.
37-P	09/27/85	S	0.0	B	5		CC	VALVEX	CONTROL VALVE MOVEMENT TEST.

 * SUMMARY *

CATAWBA 1 OPERATED WITH NUMEROUS REDUCTIONS LISTED IN DETAIL ABOVE.

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

* CATAHBA 1 *

FACILITY DATA

Report Period SEP 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, JANUARY 17, 1985
PUBLIC DOCUMENT ROOM.....YORK COUNTY LIBRARY
138 E. BLACK STREET
ROCK HILL, SOUTH CAROLINA 29730

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 16-17 (85-33): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 8 INSPECTOR-HOURS ONSITE REVIEWING THE CIRCUMSTANCES OF A LICENSEE REPORTED PHYSICAL SECURITY EVENT AND VERIFYING THE IMPLEMENTATION OF INTERIM CORRECTIVE MEASURES. NO NEW VIOLATIONS OR DEVIATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED; HOWEVER, AN ADDITIONAL EXAMPLE OF THE PREVIOUSLY IDENTIFIED PROBLEM CONCERNING THE DISCOVERY OF A VITAL AREA BARRIER DEGRADATION (ADDRESSED IN A LETTER TO YOU DATED JULY 17, 1985, AND ALSO REPORTED IN NRC INSPECTION REPORT NO. 50-413/85-27) WAS IDENTIFIED DURING THIS INSPECTION.

INSPECTION JULY 26 - AUGUST 25 (85-35): THIS ROUTINE, UNANNOUNCED INSPECTION 81.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS (UNIT 1); SITE TOURS (UNIT 1 AND 2); SURVEILLANCE OBSERVATION (UNIT 1); PLANT OPERATIONS REVIEW (UNIT 1); FOLLOWUP OF NONROUTINE EVENTS (UNITS 1 AND 2); MAINTENANCE OBSERVATION (UNIT 1); FUEL RECEIPT AND STORAGE (UNIT 2); COMPARISON OF AS-BUILT PLANT TO FSAR (UNIT 2); PREOPERATIONAL TEST PROGRAM IMPLEMENTATION (UNIT 2); AND FIRE PREVENTION AND PROTECTION (UNIT 2). OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 26-31 (85-38): ROUTINE, UNANNOUNCED INSPECTION TOTALING 16 HOURS ONSITE. AREAS INSPECTED WERE, AUDIT, TESTING AND MAINTENANCE, KEY CONTROL, POWER SUPPLY, LIGHTING, COMPENSATORY MEASURES, ACCESS CONTROL, ALARM STATIONS, AND PREVIOUS INSPECTOR FOLLOW-UP ITEMS. THERE WERE NO VIOLATIONS IDENTIFIED DURING THIS INSPECTION.

INSPECTION SEPTEMBER 9-13 (85-40): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF HOUSEKEEPING (54834B), MATERIAL IDENTIFICATION AND CONTROL (42902B), MATERIAL CONTROL (42940B), SAFETY-RELATED STRUCTURES - OBSERVATION OF WORK AND WORK ACTIVITIES (48063B) (UNIT 2), SAFETY RELATED HEATING VENTILATING AND AIR CONDITIONING (FJAC) SYSTEMS

Report Period SEP 1985

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

* CATAWBA 1 *

INSPECTION SUMMARY

(50100)(UNIT 2) AND SAFETY-RELATED COMPONENTS (50074B)(50076B)(UNIT 2). 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:

NONE.

LAST IE SITE INSPECTION DATE: SEPTEMBER 9-13, 1985 +

INSPECTION REPORT NO: 50-413/85-40 +

Report Period SEP 1985

REPORTS FROM LICENSEE

* CATAWBA 1 *

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
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85-046    07/23/85    08/22/85    INOPERABLE FIRE BARRIER PENETRATION, THIS INCIDENT IS CLASSIFIED AS A PERSONNEL ERROR.
85-047    07/29/85    08/28/85    IMPROPER PERFORMANCE OF CERTAIN RESPONSE TIME TESTS, CLASSIFIED AS A PROCEDURAL DEFICIENCY.
85-048    07/29/85    08/28/85    INADVERTENT ACTUATION OF CONTROL ROOM VENTILATION SYSTEM, DUE TO PERSONNEL ERROR (TEST PROCEDURE
          NOT FOLLOWED CORRECTLY).
85-049    07/31/85    08/29/85    AUXILIARY FEEDWATER PUMP START DUE TO MAIN FEEDWATER PUMP TRIP, THIS INCIDENT IS CLASSIFIED AS A
          DESIGN DEFICIENCY.
85-050    08/07/85    09/11/85    INADVERTENT ISOLATION OF THE MAIN FIRE PROTECTION SYSTEM, THE INCIDENT CLASSIFIED AS A PERSONNEL
          ERROR.
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1. Docket: 50-315 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>94,223.0</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>28.3</u>	<u>71.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>28.3</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>25.4</u>	<u>65.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>25.1</u>	<u>62.5</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>

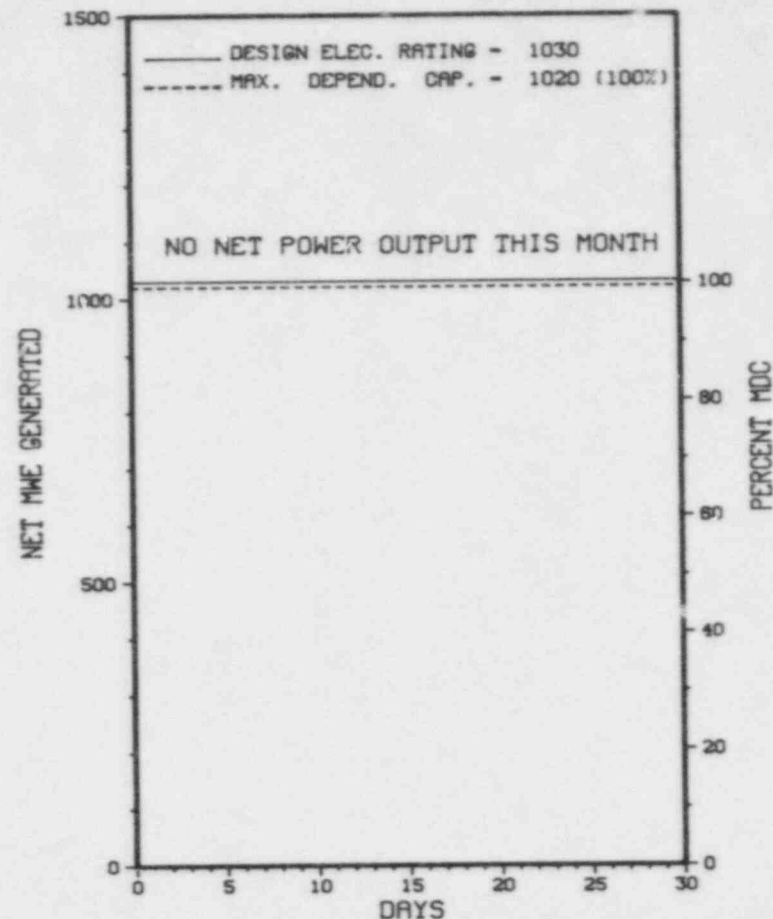
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 10/16/85

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



SEPTEMBER 1985

Report Period SEP 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	720.0	B	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON 850406 FOR THE SCHEDULED TEN-YEAR ISI AND CYCLE VIII - IX REFUELING OUTAGE. THE OUTAGE HAS BEEN EXTENDED TO COMPLETE REQUIRED DESIGN CHANGES.

* SUMMARY *

COOK 1 REMAINS SHUTDOWN FOR AN EXTENDED 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)

* COOK 1 *

FACILITY DATA

Report Period SEP 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 PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 21-23, JUNE 26-27, AND AUGUST 7-9, 13-15 (85015): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON IE BULLETINS; INSERVICE INSPECTION (ISI) PROCEDURES, WORK ACTIVITIES, NONDESTRUCTIVE EXAMINATION (NDE) PERSONNEL CERTIFICATIONS AND DATA; CHEMICAL AND VOLUME CONTROL SYSTEM (CVCS) MODIFICATION (UNIT 1); AND LEAK AND EDDY CURRENT EXAMINATION OF STEAM GENERATOR (SG) 23, UNIT 2. THE INSPECTION INVOLVED A TOTAL OF 64 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 25 THROUGH JULY 22 (85020): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 273 INSPECTOR-HOURS BY FOUR NRC INSPECTORS INCLUDING 33 INSPECTOR-HOURS OFF-SHIFT. IN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 12-15 (85023): INCLUDED A REVIEW OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 84 DIRECT INSPECTOR-HOURS BY THREE NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION; HOWEVER, TWO CONCERNS WERE IDENTIFIED. THE FIRST CONCERN DEALT WITH WEAPONS PROFICIENCY AND THE SECOND CONCERN DEALT WITH THE ADEQUACY OF COMPENSATORY MEASURES. IN ADDITION, ONE PREVIOUSLY IDENTIFIED VIOLATION REMAINS OPEN PENDING LICENSEE COMPLETION OF CORRECTIVE

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* COOK 1 *

INSPECTION SUMMARY

ACTION.

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.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B CRITERION III "DESIGN CONTROL" REQUIRES DESIGN CHANGES, INCLUDING FIELD CHANGES, BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN. THIS REQUIREMENT IS IMPLEMENTED, IN PART, AT PARAGRAPH 10.4.3 OF LICENSEE PROCEDURE PMI-5040 "DESIGN CHANGE CONTROL PROGRAM", WHICH STATES THAT IF A DESIGN CHANGE CANNOT BE INSTALLED WITHIN THE TOLERANCE PROVIDED, WORK MUST STOP PENDING SPECIFIED REVIEWS AND APPROVALS. CONTRARY TO THE ABOVE, DURING THE PERFORMANCE OF A DESIGN CHANGE UNDER RFC 01-2764 THE LICENSEE IMPLEMENTED FIELD CHANGES WITHOUT THE REQUIRED REVIEWS AND APPROVALS WHEN TIE-RODS WERE PLACED DIFFERENTLY FROM THAT SHOWN ON THE ONLY APPLICABLE DRAWING; FURTHER, WHEN THE TOLERANCE OF DRAWING 12-3434A-4 FOR ONE-HALF INCH GROUT BETWEEN BASEPLATE AND FLOOR COULD NOT BE MET, WORK WAS NOT STOPPED, NOR WERE THE SPECIFIED REVIEWS AND APPROVALS PERFORMED.
(8501 4)

TECHNICAL SPECIFICATION 6.8.1, REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, APPROVED, IMPLEMENTED AND MAINTAINED FOR REFUELING OPERATIONS. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ENSURE THAT WESTINGHOUSE REFUELING PROCEDURE FP-AEP-R8 WAS IMPLEMENTED IN THAT CERTAIN REQUIRED SIGN OFFS WERE NOT MADE FOR COMPLETED PROCEDURES AND SIGN OFFS WERE MADE FOR OTHER PROCEDURES NOT YET STARTED.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS IN REFUELING/MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 21 - NOVEMBER 15, 1985

INSPECTION REPORT NO: 85033

Report Period SEP 1985

REPORTS FROM LICENSEE

* COOK 1 *

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NUMBER    DATE OF    DATE OF    SUBJECT
EVENT     REPORT
-----
85-33     07/25/85   08/23/85   CONTAINMENT INTEGRITY DURING CORE ALTERATIONS
85-34     07/26/85   08/23/85   BREACH OF CONTAINMENT INTEGRITY
85-37     08/03/85   08/30/85   ESF ACTUATIONS
85-39     08/08/85   09/06/85   MISSED TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENTS
85-41     08/13/85   09/12/85   VALVE FAILURE DUE TO INADEQUATELY TERMINATED LEAD
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27. If Currently Shutdown Estimated Startup Date: 10/16/85

PAGE 2-078

Report Period SEP 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	720.0	A	4		CC	HTEXCH	THE UNIT WAS REMOVED FROM SERVICE ON 850824 FOR STEAM GENERATOR TUBE LEAK REPAIRS. EDDY CURRENT TESTING AND REQUIRED TUBE PLUGGING HAS BEEN COMPLETED. THE OUTAGE HAS BEEN EXTENDED TO COMPLETE REQUIRED DESIGN CHANGES.

 * SUMMARY *

COOK 2 REMAINS SHUTDOWN FOR AN EXTENDED REPAIR OUTAGE.

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

* COOK 2 *

FACILITY DATA

Report Period SEP 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....BERRIEN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...1 MI S OF
BENTON HARBOR, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 10, 1978
DATE ELEC ENCL 1ST GENER...MARCH 22, 1978
DATE COMMERCIAL OPERATION...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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 21-23, JUNE 26-27, AND AUGUST 7-9, 13-15 (85015): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON IE BULLETINS; INSERVICE INSPECTION (ISI) PROCEDURES, WORK ACTIVITIES, NONDESTRUCTIVE EXAMINATION (NDE) PERSONNEL CERTIFICATIONS AND DATA; CHEMICAL AND VOLUME CONTROL SYSTEM (CVCS) MODIFICATION (UNIT 1); AND LEAK AND EDDY CURRENT EXAMINATION OF STEAM GENERATOR (SG) 23, UNIT 2. THE INSPECTION INVOLVED A TOTAL OF 64 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 25 THROUGH JULY 22 (85020): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 273 INSPECTOR-HOURS BY FOUR NRC INSPECTORS INCLUDING 33 INSPECTOR-HOURS OFF-SHIFT. IN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 12-15 (85023): INCLUDED A REVIEW OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 84 DIRECT INSPECTOR-HOURS BY THREE NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION; HOWEVER, TWO CONCERNS WERE IDENTIFIED. THE FIRST CONCERN DEALT WITH WEAPONS PROFICIENCY AND THE SECOND CONCERN DEALT WITH THE ADEQUACY OF COMPENSATORY MEASURES. IN ADDITION, ONE PREVIOUSLY IDENTIFIED VIOLATION REMAINS OPEN PENDING LICENSEE COMPLETION OF CORRECTIVE

INSPECTION STATUS - (CONTINUED)

PAGE 2-081

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

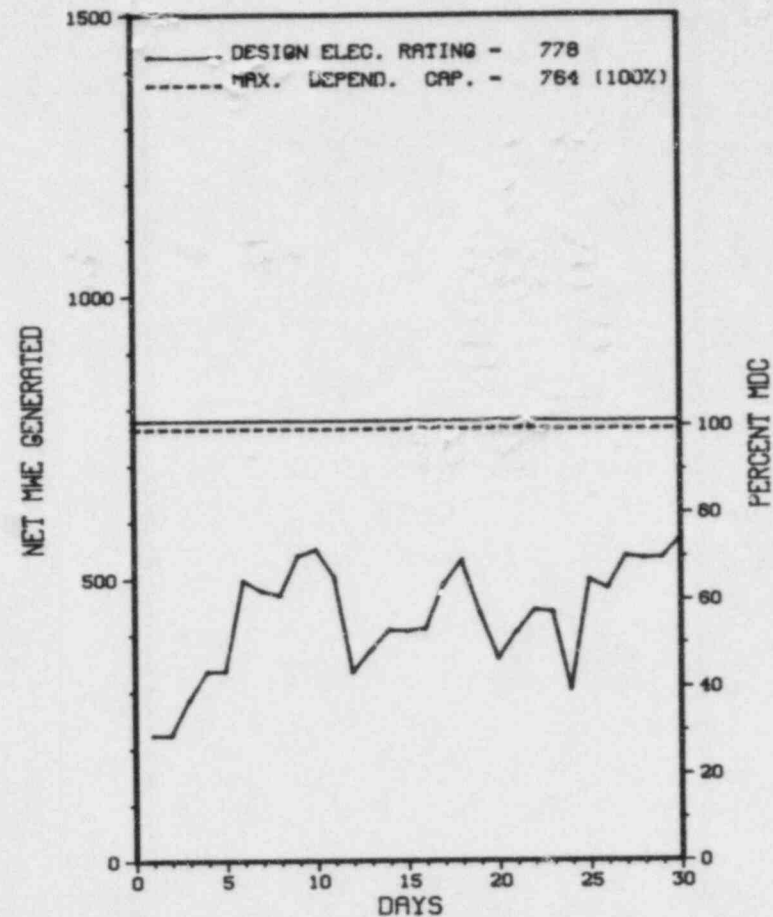
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>98,640.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>987.3</u>	<u>73,942.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>860.2</u>	<u>72,680.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,015,680</u>	<u>1,152,384</u>	<u>142,592,395</u>
18. Gross Elec Ener (MWH)	<u>320,648</u>	<u>349,911</u>	<u>45,374,407</u>
19. Net Elec Ener (MWH)	<u>307,228</u>	<u>334,720</u>	<u>43,721,332</u>
20. Unit Service Factor	<u>100.0</u>	<u>13.1</u>	<u>73.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>13.1</u>	<u>73.7</u>
22. Unit Cap Factor (MDC Net)	<u>55.9</u>	<u>6.7</u>	<u>58.0</u>
23. Unit Cap Factor (DER Net)	<u>54.8</u>	<u>6.6</u>	<u>57.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,090.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

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

NONE

* SUMMARY *

COOPER STATION OPERATED WITH NO REPORTED REDUCTIONS OR OUTAGES DURING SEPTEMBER.

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

* COOPER STATION *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JULY 15-19, 1985 (85-21)

ROUTINE, UNANNOUNCED INSPECTION OF THE QUALITY ASSURANCE PROGRAM, RECORDS PROGRAM, OFFSITE SUPPORT STAFF, DOCUMENT CONTROL, AND FOLLOW-UP ON PREVIOUS INSPECTION FINDINGS.

ONE VIOLATION WAS IDENTIFIED (FAILURE TO HAVE DESIGN CONTROL PROCEDURES FOR ENGINEERING INPUT AND FOR VERIFICATION OF COMPLETION CLOSURE).

INSPECTION CONDUCTED JULY 15-19, 1985 (85-22)

ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S EMERGENCY PREPAREDNESS PROGRAM IN THE AREAS OF KNOWLEDGE AND PERFORMANCE OF DUTIES, PROGRAM REVIEW, EVALUATION OF EXERCISES AND CHANGES TO THE EMERGENCY PLAN.

ONE VIOLATION WAS IDENTIFIED (INADEQUATE TRAINING).

ENFORCEMENT SUMMARY

Report Period SEP 1985

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

* COOPER STATION *

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, CNS DID NOT HAVE PROCEDURES TO CONTROL DRAWING DESIGNATED BY NPPD GENERAL OFFICE AS SUPERCEDED, DELETED, OR NOT FINALLY APPROVED AS "AS BUILTS".
(8501 4)

CONTRARY TO 10 CFR 73.21 AND NUREG-0794 AN IMPROPER LOCK WAS BEING USED.
(8501 5)

INADEQUATE TRAINING FOR PERSONNEL ASSIGNED TO THE EMERGENCY RESPONSE ORGANIZATION IN ACCORDANCE WITH 10 CFR 50.47(B)(15) REQUIRES THAT ADEQUATE PROVISIONS EXIST IN THE EMERGENCY PLAN TO ENSURE THAT RADIOLOGICAL EMERGENCY RESPONSE TRAINING IS PROVIDED TO THOSE WHO MAY BE CALLED ON TO ASSIST IN AN EMERGENCY. CONTRARY TO THE ABOVE, CERTAIN STATION PERSONNEL ASSIGNED TO THE EMERGENCY ORGANIZATION HAD NOT RECEIVED APPROPRIATE GENERAL AND SPECIFIC EMERGENCY PLAN AND PROCEDURE TRAINING, AS EVIDENCED BY NRC INSPECTORS.
(8502 4)

CONTRARY TO SECTION 21.31 OF 10 CFR PART 21, PURCHASE ORDER NO. 231236 DATED 9/19/84, AND NO. 236067 DATED 1/14/85, WERE ISSUED FOR THE SUPPLY OF BASIC COMPONENTS WHICH DID NOT SPECIFY THAT THE PROVISIONS OF 10 CFR PART 21 WERE APPLICABLE.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NGNE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 15-19, 1985

INSPECTION REPORT NO: 50-298/85-22

Report Period SEP 1985

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

* COOPER STATION *

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=====
NUMBER   DATE OF   DATE OF   SUBJECT
        EVENT   REPORT
-----
85-004   8/13/85   9/11/85   RADIATION OVEREXPOSURE
85-005   8/18/85   9/17/85   EXCESSIVE PRIMARY CONTAINMENT LOCAL LEAKAGE RATE
85-006   8/19/85   9/18/85   HIGH PRESSURE COOLANT INJECTION SYSTEM INOPERABILITY
85-007   8/23/85   9/20/85   HIGH PRESSURE COOLANT INJECTION SYSTEM LOW SUCTION PRESSURE TURBINE TRIP
85-008   8/24/85   9/23/85   HIGH PRESSURE COOLANT INJECTION SYSTEM INOPERABILITY
85-009   8/25/85   9/24/85   HIGH PRESSURE COOLANT INJECTION SYSTEM INOPERABILITY
```

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2544

5. Nameplate Rating (Gross MWe): 989 X 0.9 = 890

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 821

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

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

11. Reasons for Restrictions, If Any: NONE

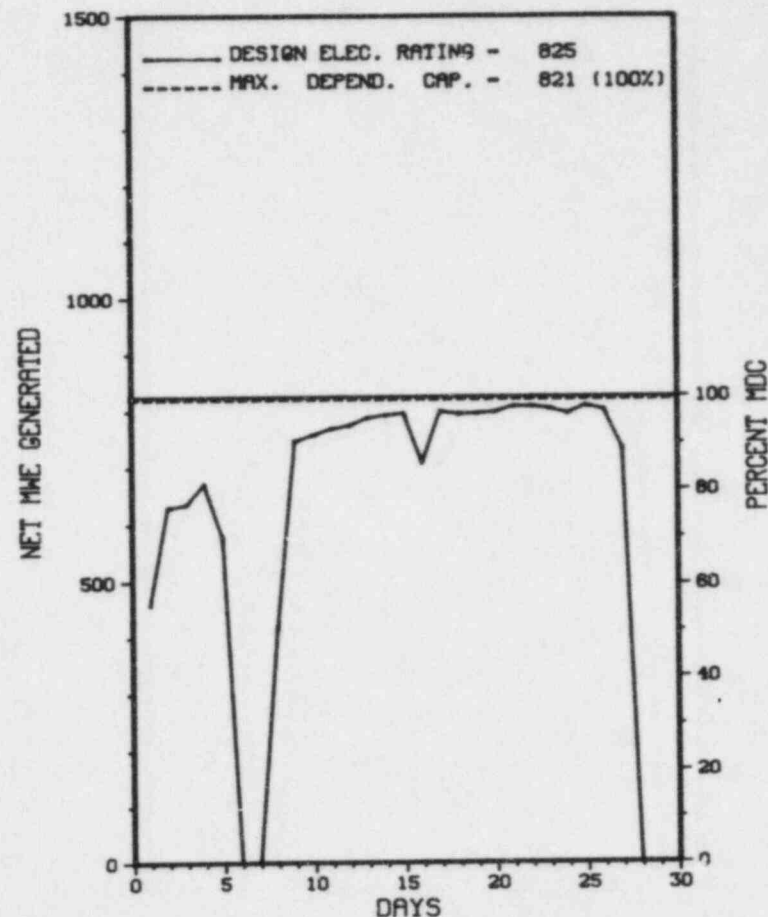
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>74,975.0</u>
13. Hours Reactor Critical	<u>648.3</u>	<u>2,420.7</u>	<u>48,337.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>592.5</u>	<u>2,288.3</u>	<u>47,206.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,344,862</u>	<u>4,375,511</u>	<u>106,037,396</u>
18. Gross Elec Ener (MWH)	<u>448,146</u>	<u>1,482,162</u>	<u>36,208,961</u>
19. Net Elec Ener (MWH)	<u>428,674</u>	<u>1,398,552</u>	<u>34,394,563</u>
20. Unit Service Factor	<u>82.3</u>	<u>34.9</u>	<u>63.0</u>
21. Unit Avail Factor	<u>82.3</u>	<u>34.9</u>	<u>63.0</u>
22. Unit Cap Factor (MDC Net)	<u>72.5</u>	<u>26.0</u>	<u>55.9</u>
23. Unit Cap Factor (DER Net)	<u>72.2</u>	<u>25.9</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>3.5</u>	<u>9.9</u>	<u>20.2</u>
25. Forced Outage Hours	<u>54.8</u>	<u>250.4</u>	<u>11,939.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 10/04/85

 * CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-14	09/01/85	S	0.0	B	5		ZZ	ZZZZZZ	HOLD AT REDUCED POWER FOR REACTOR PHYSICS TESTING.
85-15	09/05/85	F	50.6	A	3		HB	TURBIN	HIGH PRESSURE TURBINE CASING STEAM LEAK.
85-16	09/08/85	F	4.2	A	3		HB	VALVEX	STEAM LEAK IN HIGH PRESSURE TURBINE DRAIN VALVE.
85-17	09/27/85	S	72.7	F	2		HA	GENERA	GENERATOR HYDROGEN COOLING SYSTEM BLADES WERE INCORRECTLY INSTALLED. BLADES MUST BE REPOSITIONED FOR PROPER HYDROGEN COOLING.

* SUMMARY *

CRYSTAL RIVER OPERATED WITH 3 OUTAGES AND 1 REDUCTION, SHUTTING DOWN ON SEPT 27TH 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)

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period SEP 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 JULY 29 - AUGUST 2 (85-30): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 220 INSPECTOR-HOURS ONSITE IN THE AREAS OF FIRE PROTECTION AND THE LICENSEE'S ACTIONS REGARDING THE IMPLEMENTATION OF THE REQUIREMENTS OF 10 CFR 50, APPENDIX R, SECTIONS III.G., III.J., III.L., AND III.O. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 12-16 (85-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 40 INSPECTOR-HOURS ONSITE IN THE AREAS OF INSPECTOR ACTION ON PREVIOUS ENFORCEMENT MATTERS; INSPECTOR IDENTIFIED FOLLOW-UP ITEMS; REVIEW AND EVALUATION OF ISI DATA, INCLUDING HYDROSTATIC TEST RESULTS AND EDDY CURRENT EXAMINATION OF ONCE THROUGH STEAM GENERATOR TUBES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 8-21 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 112 INSPECTOR-HOURS ONSITE IN THE AREA OF REVIEWING AND WITNESSING BOTH PRE- AND POST-CRITICALITY TESTS FOLLOWING THE REFUELING OUTAGE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10-13 (85-39): THIS ROUTINE INSPECTION INVOLVED 21 INSPECTOR-HOURS ONSITE IN THE VIEW OF POST-CRITICALITY TESTS PERFORMED FOLLOWING THE REFUELING OUTAGE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

Report Period SEP 1985

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

* CRYSTAL RIVER 3 *

ENFORCEMENT SUMMARY

CONTRARY TO TS 4.9.2 WHICH REQUIRES A CHANNEL FUNCTIONAL TEST OF EACH SOURCE RANGE NEUTRON FLUX MONITOR ONCE PER 7 DAYS, DURING THE PERIOD JUNE 21 - JULY 4, 1985, NEITHER SOURCE RANGE NEUTRON FLUX MONITOR HAD BEEN FUNCTIONALLY TESTED. CONTRARY TO TS 6.8.1.A WHICH REQUIRES ADHERENCE TO MAINTENANCE PROCEDURES AND PROCEDURES FOR THE CONTROL OF ELECTRICAL JUMPERS, PROCEDURES MP-108B AND CP-113 WERE NOT FOLLOWED DURING THE INSTALLATION OF CONTROL ROD DRIVE MOTOR TUBES AND DURING THE INSTALLATION OF A JUMPER IN AIR HANDLING FOR AHF-22D.

CONTRARY TO TS 6.8.1.J WHICH REQUIRES ADHERENCE TO THE PROCEDURES DELINEATED IN THE OFFSITE DOSE CALCULATION MANUAL (ODCM), DURING THE PERIOD FROM JULY 13 - JULY 15, 1985, THE REACTOR BUILDING PERSONNEL AND EQUIPMENT HATCHES WERE OPEN WHILE THE REACTOR BUILDING PURGE EXHAUST FANS WERE INOPERABLE.
(8502 4)

CONTRARY TO TS 6.8.1.A WHICH REQUIRES ADEQUATE PROCEDURES TO DIRECT EQUIPMENT CONTROL ACTIVITIES, THE OSIM WAS FOUND TO BE INADEQUATE WHEN A VALVE POSITION CHECKLIST WAS COMPLETED AND VERIFIED INCORRECTLY.

CONTRARY TO TS 3.0.4 AND 3.8.1.2.B, NEITHER EDG WAS OPERABLE DURING THE PERIOD JUNE 27 AND JULY 25, 1985 IN WHICH A CORE ALTERATION WAS CONDUCTED AND AN OPERATIONAL MODE CHANGE FROM MODE 6 TO MODE 5 WAS MADE. CONTRARY TO TS 3.3.3.1 WHICH REQUIRES THAT RM-A12 BE OPERABLE IN MODES 1-4 AND THAT IF THIS MONITOR IS NOT OPERABLE, TO COLLECT AND ANALYZE GRAB SAMPLES ONCE EVERY 24 HOURS, ON AUGUST 7, 1985, MONITOR RM-A12 WAS MADE INOPERABLE FOR MAINTENANCE AND GRAB SAMPLES WERE NOT COLLECTED AND ANALYZED AS REQUIRED.

(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

UNIT SHUTDOWN WAS REQUIRED FOR TURBINE GENERATOR BALANCING AND CORRECTION OF TG HYDROGEN COOLING SYSTEM DEFICIENCIES. +

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR MAINTENANCE.

LAST IE SITE INSPECTION DATE: SEPTEMBER 10-13, 1985 +

INSPECTION REPORT NO: 58-302/85-39 +

Report Period SEP 1985

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

* CRYSTAL RIVER 3 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
-----
85-008    07/29/85    08/28/85    UNPLANNED ACTUATION OF ENGINEERED SAFEGUARDS SYSTEM, THE ACTUATION WAS CAUSED BY THE OPERATOR
          INADVERTENTLY PLACING A RESET SWITCH IN THE WRONG POSITION.
85-009    07/10/85    08/26/85    CORE ALTERATIONS PERFORMED WITH NO OPERABLE DIESEL GENERATOR, FAILURE TO PERFORM A LOAD SEQUENCE
          TIMER SURVEILLANCE TEST WITHIN ITS PRESCRIBED FREQUENCY.
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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: 09/01/85 Outage + On-line Hrs: 720.0

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):

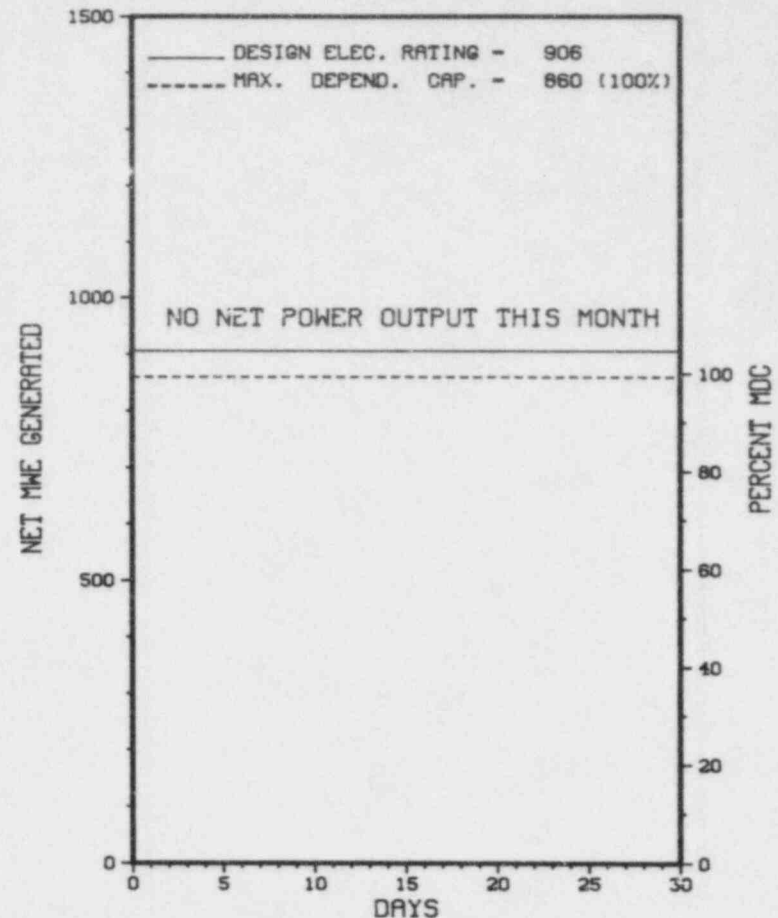
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>62,856.0</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>41.7</u>	<u>54.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>41.7</u>	<u>57.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>34.4</u>	<u>46.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>32.7</u>	<u>44.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>50.8</u>	<u>21.6</u>
25. Forced Outage Hours	<u>720.0</u>	<u>2,821.3</u>	<u>10,082.8</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

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

 * DAVIS-BESSE 1 *

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



SEPTEMBER 1985

Report Period SEP 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	720.0	A	4	85-013	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 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	Licenses Event Report
	& License Examination	9-Other	(LER) (UREG-0161)

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period SEP 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 APRIL 9 THROUGH MAY 13 (85016): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS, OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, IE BULLETINS, OPERATIONAL EVENTS, MEETING WITH LICENSEE, ACTION ON REGIONAL REQUESTS AND TRAINING. THE INSPECTION INVOLVED 209 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 49 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF SURVEILLANCE (FAILURE TO PROPERLY IMPLEMENT A PROCEDURE).

INSPECTION ON JUNE 25, THROUGH AUGUST 12 (85022): SPECIAL INSPECTION BY RESIDENT AND REGIONAL INSPECTORS OF LICENSEE ACTIONS ON THE ROOT CAUSE INVESTIGATION OF MALFUNCTIONING EQUIPMENT DURING THE TRANSIENT OF JUNE 9, 1985. ROUTINE, UNANNOUNCED INSPECTION OF PREVIOUS INSPECTION FINDINGS, LONG TERM SHUTDOWN, ALLEGATION FOLLOWUP, TMI ACTION ITEMS, LICENSEE EVENT REPORTS AND SENIOR MANAGEMENT FACILITY TOURS. THE INSPECTION INVOLVED 648 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 180 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS ARE BEING ISSUED AT THIS TIME. SEVERAL FINDINGS ARE BEING EVALUATED AS TO THEIR SIGNIFICANCE AND POTENTIAL FOR ENFORCEMENT ACTION.

INSPECTION ON AUGUST 6-9 (84024): ROUTINE, ANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS INCLUDING A LIQUID SAMPLE SPLIT AND LABORATORY QUALITY CONTROL; FOLLOWUP OF PERFORMANCE APPRAISAL TEAM FINDINGS REGARDING REVIEW OF PROCEDURES AND ADHERENCE TO PROCEDURES; AND LICENSEE FOLLOWUP ON ITEMS IDENTIFIED IN PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 33.5 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. ONE APPARENT VIOLATION WAS IDENTIFIED - FAILURE TO IMPLEMENT A WRITTEN PROCEDURE).


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*          DAVIS-BESSE 1          *
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INSPECTION SUMMARY

ENFORCEMENT SUMMARY

AMENDMENT NO. 83 OF FACILITY OPERATING LICENSE NO. NPF-3 ADDS PARAGRAPH 2.C(3)(T) WHICH STATES, "TOLEDO EDISON SHALL OPERATE THE STARTUP FEEDWATER PUMP (SFP) WITH THE FOLLOWING OPERATIONAL RESTRICTIONS: 1. TOLEDO EDISON WILL STATION AN OPERATOR IN THE STARTUP FEEDWATER PUMP/AUXILIARY FEEDWATER PUMP (SFP/AFW) AREA DURING OPERATION OF THE SFP TO MONITOR SFP/TURBINE PLANT COOLING WATER (TPCW) PIPING STATUS IN THE AFW PUMP ROOMS." CONTRARY TO THE ABOVE, AT APPROXIMATELY 1210 ON APRIL 24, 1985, DURING OPERATION OF THE SFP, THE NRC INSPECTOR OBSERVED THAT A NON-LICENSED OPERATOR WHO HAD BEEN ASSIGNED TO MONITOR THE SFP/TPCW PIPING STATUS IN THE AFW PUMP ROOM WAS AS'LEEP AND, THEREFORE, FAILED TO PERFORM THE REQUIRED MONITORING. 10 CFR 50, APPENDIX B, CRITERION XIV, "INSPECTION, TEST, AND OPERATING STATUS," REQUIRES MEASURES BE ESTABLISHED FOR INDICATING THE OPERATING STATUS OF STRUCTURES, SYSTEMS, AND COMPONENTS OF THE NUCLEAR POWER PLANT. THE TOLEDO EDISON NUCLEAR QUALITY ASSURANCE MANUAL (NQAM) SECTION 14.0 REQUIRES THAT THE PLANT MANAGER BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING A PROGRAM IN WHICH THE OPERATING STATUS OF EQUIPMENT IS KNOWN AT ALL TIMES. SECTION 14.1.1.1 OF THE NQAM REQUIRES THAT PERMISSION TO RELEASE EQUIPMENT OR SYSTEMS FOR MAINTENANCE OR TEST BE GRANTED BY THE SHIFT SUPERVISOR. CONTRARY TO THE ABOVE, ON APRIL 9, 1985, THE LICENSEE DID NOT IMPLEMENT ITS PROGRAM TO ENSURE THAT THE OPERATING STATUS OF EQUIPMENT IS KNOWN AT ALL TIMES. THE SECURITY-FIRE/RADIATION COMPUTER WAS REMOVED FROM SERVICE, WITHOUT PERMISSION BEING GRANTED BY THE SHIFT SUPERVISOR. THE SHIFT SUPERVISOR BECAME AWARE OF THE COMPUTER SHUTDOWN WHEN THE COMPUTER WAS BEING RETURNED TO SERVICE. TECHNICAL SPECIFICATION 3.2.5 REQUIRES THAT IF THE REACTOR COOLANT FLOW RATE EXCEEDS ITS LIMIT, THEN FLOW MUST BE RESTORED TO WITHIN ITS LIMIT WITHIN 2 HOURS OR THERMAL POWER MUST BE LIMITED AT LEAST 2% BELOW RATED THERMAL POWER FOR EACH 1% OF FLOW THAT IS OUTSIDE THE LIMIT FOR FOUR-PUMP OPERATION WITHIN THE NEXT 4 HOURS. CONTRARY TO THE ABOVE, FROM 1150 ON APRIL 19, 1985 TO 0250 ON APRIL 20, 1985, WHILE AT APPROXIMATELY 98% POWER, THE LICENSEE RECORDED A REACTOR COOLANT FLOW RATE 1.79% TO 2.06% LOW. SINCE FLOW WAS NOT RESTORED TO ITS LIMIT WITHIN 2 HOURS, THERMAL POWER WAS REQUIRED TO BE LIMITED TO BETWEEN 96.42% AND 95.87%. FROM APPROXIMATELY 1720 ON APRIL 19, 1985 UNTIL APPROXIMATELY 0220 ON APRIL 20, 1985 (9 HOURS), THERMAL POWER WAS APPROXIMATELY 98%. THIS EXCEEDED THE THERMAL POWER LIMIT OF TECHNICAL SPECIFICATION 3.2.5. (8501 4)

10 CFR 50.54(Q) REQUIRES IN PART THAT A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS OF 10 CFR 50.47(B) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART. 10 CFR 50.47(B)(5) STATES, IN PART, THAT PROCEDURES HAVE BEEN ESTABLISHED FOR NOTIFICATION, BY THE LICENSEE, OF STATE AND LOCAL RESPONSE ORGANIZATIONS. 10 CFR PART 50, APPENDIX E, PARAGRAPH IV.D.3 STATES, IN PART, THAT A LICENSEE SHALL HAVE THE CAPABILITY TO NOTIFY RESPONSIBLE STATE AND LOCAL GOVERNMENTAL AGENCIES WITHIN 15 MINUTES OF DECLARING AN EMERGENCY. CONTRARY TO THE ABOVE, THE STATE OF OHIO'S DISASTER SERVICES AGENCY WAS NOT INITIALLY NOTIFIED OF THE JUNE 9, 1985 UNUSUAL EVENT DECLARATION AT THE DAVIS-BESSE NUCLEAR GENERATING STATION UNTIL AFTER THE EVENT HAD BEEN TERMINATED, WHICH IS A PERIOD OF AT LEAST SIX HOURS AFTER THE EVENT DECLARATION.

(8502 4)

TECHNICAL SPECIFICATION SECTION 6.8.1.A REQUIRES IMPLEMENTATION OF WRITTEN PROCEDURES RECOMMENDED IN APPENDIX A OF REGULATORY GUIDE 1.33, NOVEMBER 3, 1972. APPENDIX A OF REGULATORY GUIDE 1.33 (NOVEMBER 3, 1972) RECOMMENDS PROCEDURES FOR CONTROL OF MEASURING AND TEST EQUIPMENT. THE LICENSEE'S RADIOCHEMISTRY PROCEDURE RC 4528.00.3, "EFFICIENCIES FOR RADIATION DETECTORS," (REVISION 3, SEPTEMBER 2, 1981) REQUIRES THAT A COUNT BE RERUN IF A SINGLE COUNT FALLS OUTSIDE SPECIFIED CONTROL BOUNDARIES (PLUS OR MINUS 3S) AND THAT AN INSTRUMENT THAT DOES NOT HAVE AN ADJUSTABLE HI-VOLTAGE, BE TAGGED OUT FOR CHECKOUT IF A DAILY ONE MINUTE COUNT CANNOT BE OBTAINED THAT FALLS WITHIN THE BOUNDARIES OF PLUS OR MINUS 3S. CONTRARY TO THE ABOVE REQUIREMENTS: DAILY CHECKS ON EBERLINE BC-4 BETA COUNTER NO. 2.7.61 DURING THE PERIOD APRIL 17 THROUGH JUNE 27, 1984 WERE OUTSIDE THE PLUS OR MINUS 3S CONTROL LINE ON 13 OCCASIONS AND RERUN COUNTS WERE ONLY PERFORMED ON TWO OCCASIONS. FURTHER, THERE WAS NO EVIDENCE THAT THE INSTRUMENT WAS TAGGED FOR CHECKOUT ON THESE OCCASIONS.

(8502 5)

OTHER ITEMS

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NONE

NONE

NONE

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

LAST IE SITE INSPECTION DATE: OCTOBER 10 - 11, 1985

INSPECTION REPORT NO: 35034

REPORTS FROM LICENSEE

001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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85-15 07/24/85 08/23/85 FOLLOWUP TO THE TORREY PINES LIMITORQUE PROCEDURE PART 21 REPORT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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1. Docket: 50-275 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>3,525.3</u>	<u>3,525.3</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,466.3</u>	<u>3,466.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,454.5</u>	<u>3,454.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,374,552</u>	<u>10,948,280</u>	<u>10,948,280</u>
18. Gross Elec Ener (MWH)	<u>789,100</u>	<u>3,656,032</u>	<u>3,656,032</u>
19. Net Elec Ener (MWH)	<u>752,734</u>	<u>3,478,272</u>	<u>3,478,272</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.0</u>	<u>98.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.0</u>	<u>98.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.4</u>	<u>92.0</u>	<u>92.0</u>
23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>90.9</u>	<u>90.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.0</u>	<u>2.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>69.4</u>	<u>69.4</u>

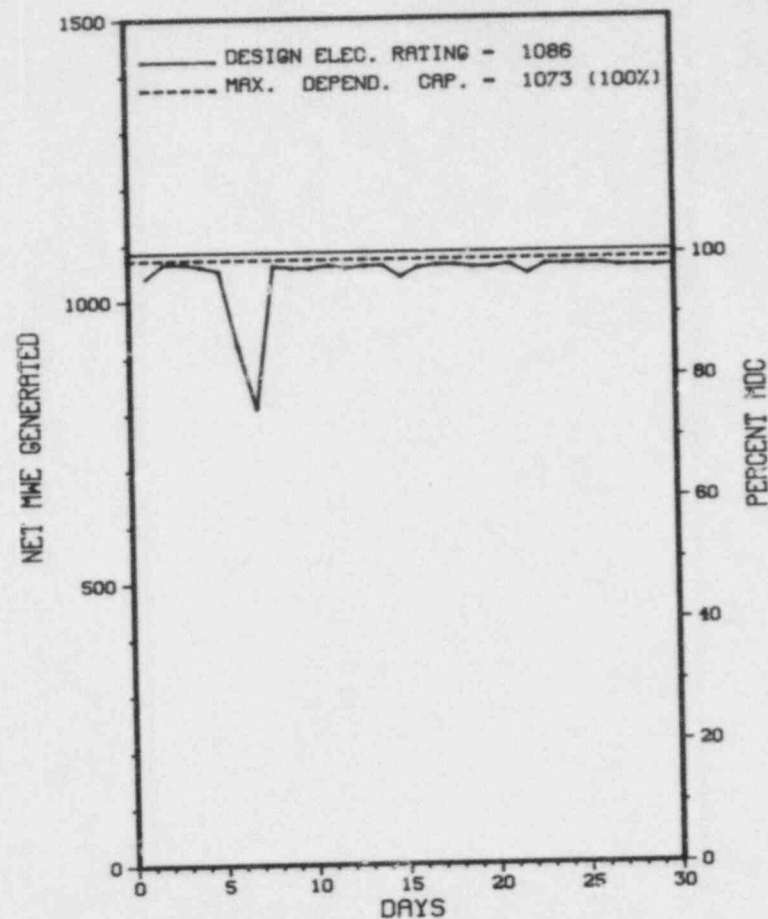
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): NONE

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

 * DIABLO CANYON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 1 *

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

 * SUMMARY *

DIABLO CANYON 1 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS REPORTED DURING SEPTEMBER.

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)

* DIABLO CANYON 1 *

FACILITY DATA

Report Period SEP 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 OPERATE...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

INSPECTION STATUS

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 29 - NOVEMBER 26, 1985 (REPORT NO. 50-275/85-29) REPORT BEING PREPARED; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON AUGUST 26-30, 1985 (REPORT NO. 50-275/85-30) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE'S ORGANIZATION AND MANAGEMENT; ALARA; FACILITY TOUR; AND FOLLOWUP ON IE INFORMATION NOTICES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON OCTOBER 28 - NOVEMBER 1, 1985 (REPORT NO. 50-275/85-31) REPORT BEING PREPARED; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON AUGUST 19 - SEPTEMBER 28, 1985 (REPORT NO. 50-275/85-32) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

Report Period SEP 1985

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

* DIABLO CANYON 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER

LAST IE SITE INSPECTION DATE: 09/29-11/26/85

INSPECTION REPORT NO: 50-275/85-29

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
85-25-L0	07-31-85	08-30-85	MODE 1 CONTAINMENT VENT SYS ISO CAUSED BY SPURIOUS SPIKE IN GAS RAD MONITOR 7-31
85-27-L0	08-05-85	09-04-85	MODE 1 CONTAINMENT VENT SYS ISO CAUSED BY SPURIOUS SPIKE WHILE REPLACING SIG CABLE ON RAD MONITOR 8-5

=====

1. Docket: 50-237 OPERATING STATUS

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 772

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>134,855.0</u>
13. Hours Reactor Critical	<u>695.9</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>693.4</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>1,532,098</u>	<u>7,208,282</u>	<u>198,589,300</u>
18. Gross Elec Ener (MWH)	<u>485,249</u>	<u>2,277,578</u>	<u>63,482,332</u>
19. Net Elec Ener (MWH)	<u>461,110</u>	<u>2,143,406</u>	<u>60,001,210</u>
20. Unit Service Factor	<u>96.3</u>	<u>50.9</u>	<u>72.4</u>
21. Unit Avail Factor	<u>96.3</u>	<u>50.9</u>	<u>72.4</u>
22. Unit Cap Factor (MDC Net)	<u>83.0</u>	<u>42.4</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>80.7</u>	<u>41.2</u>	<u>56.0</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):

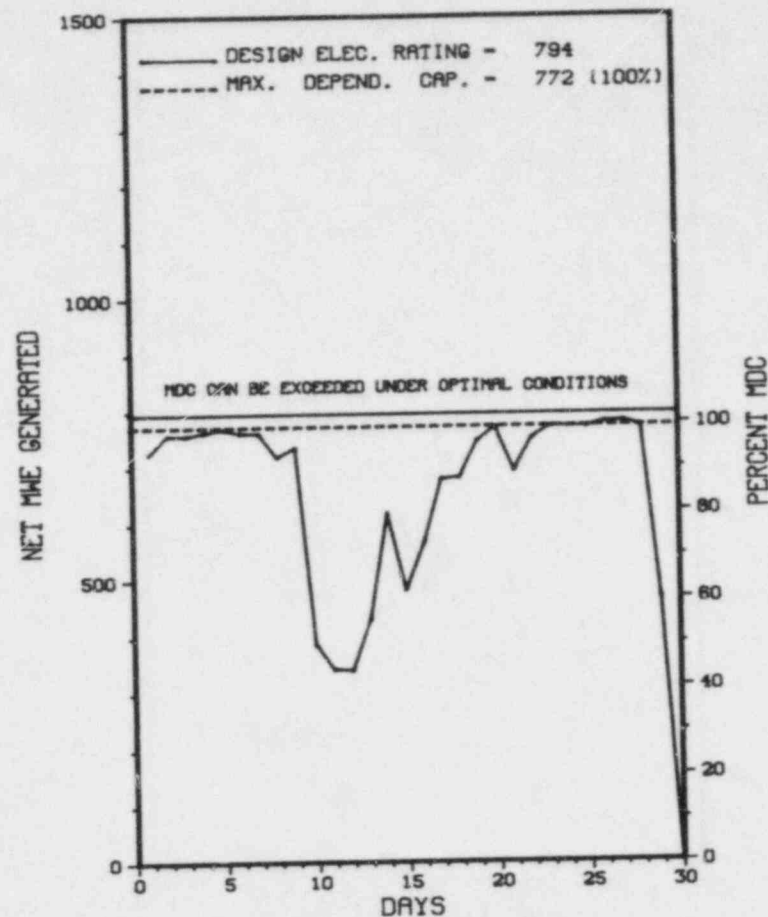
APRIL, 1986 - DRYWELL SNUBBER INSPECTION

27. If Currently Shutdown Estimated Startup Date: 10/16/85

* DRESDEN 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



SEPTEMBER 1985

Report Period SEP 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	26.6	H	3	85-035			UNIT TAKEN OFF-LINE MANUALLY FOR SNUBBER INSPECTIONS AND E.Q. MODIFICATIONS (RX SCRAM 2 1/2 HOURS AFTER OFF-LINE BECAUSE OF LOW CONDENSER VACUUM).

 * SUMMARY *

 DRESDEN 2 SHUTDOWN ON SEPT. 29TH FOR MAINTENANCE.

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

* DRESDEN 2 *

FACILITY DATA

Report Period SEP 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.....T. TONGUE

LICENSING PROJ MANAGER.....R. GILBERT
DOCKET NUMBER.....50-237

LICENSE & DATE ISSUANCE...DPR-19, DECEMBER 22, 1969

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MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF JUNE 8 THROUGH AUGUST 19 (85023): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PREVIOUS FINDINGS, HEADQUARTERS REQUESTS, EVENTS, OPERATIONAL SAFETY, LICENSEE EVENT REPORTS, MAINTENANCE, SURVEILLANCE, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 201 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS INCLUDING 42 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. ONE WEAKNESS WAS IDENTIFIED AND CORRECTED (VERIFICATION OF CONTROL ROD MOVEMENTS WITH AN INOPERABLE ROD WORTH MINIMIZER).

INSPECTION ON AUGUST 12-16 AND 19-20 (85027): INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS; MANAGEMENT EFFECTIVENESS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN; AND 73.71 REPORTS. THE INSPECTION INVOLVED 108 INSPECTOR HOURS BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THIS INSPECTION.

INSPECTION ON AUGUST 13 AND AUGUST 29 (85028): SPECIAL, ANNOUNCED INSPECTION CONDUCTED TO PERFORM A REVIEW OF LICENSEE EVENT REPORT NO. 85-029-0 AND THE ADEQUACY OF CORRECTIVE ACTIONS RELATED TO THE EVENT. THE INSPECTION INVOLVED A TOTAL OF 9 HOURS ONSITE AND IN-OFFICE REVIEW BY ONE NRC INSPECTOR. ONE VIOLATION WAS IDENTIFIED IN THE ONE AREA INSPECTED (FAILURE TO ESTABLISH A CONTINUOUS FIRE WATCH PATROL AS REQUIRED BY TECHNICAL SPECIFICATION 3.12.H.2).

INSPECTION ON AUGUST 15, AUGUST 19-28, AND SEPTEMBER 3 (85029): UNANNOUNCED, ROUTINE SAFETY INSPECTION BY TWO REGIONAL INSPECTORS

Report Period: SEP 1985

INSPECTION STATUS - (CONTINUED)

* DRESDEN 2 *

INSPECTION SUMMARY

OF CALIBRATION, TESTS AND EXPERIMENTS, QA PROGRAM, QA/QC ADMINISTRATION, AND RECORDS PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 85 INSPECTOR-HOURS ONSITE AND 22 INSPECTOR-HOURS OF IN-OFFICE PROCEDURE AND RECORDS REVIEWS. ONE VIOLATION WAS IDENTIFIED IN THE QA PROGRAM AREA (FAILURE TO PROVIDE REQUIRED TRAINING).

ENFORCEMENT SUMMARY

NONE

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 REPAIRS.

LAST IE SITE INSPECTION DATE: OCTOBER 17-18, 1985

INSPECTION REPORT NO: 85034

REPORTS FROM LICENSEE

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

85-34	08/16/85	09/11/85	LOW REACTOR WATER LEVEL SCRAM DURING LOSS OF OFFSITE POWER
=====			

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

2. Reporting Period: 09/01/85 Outage + On-Line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

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

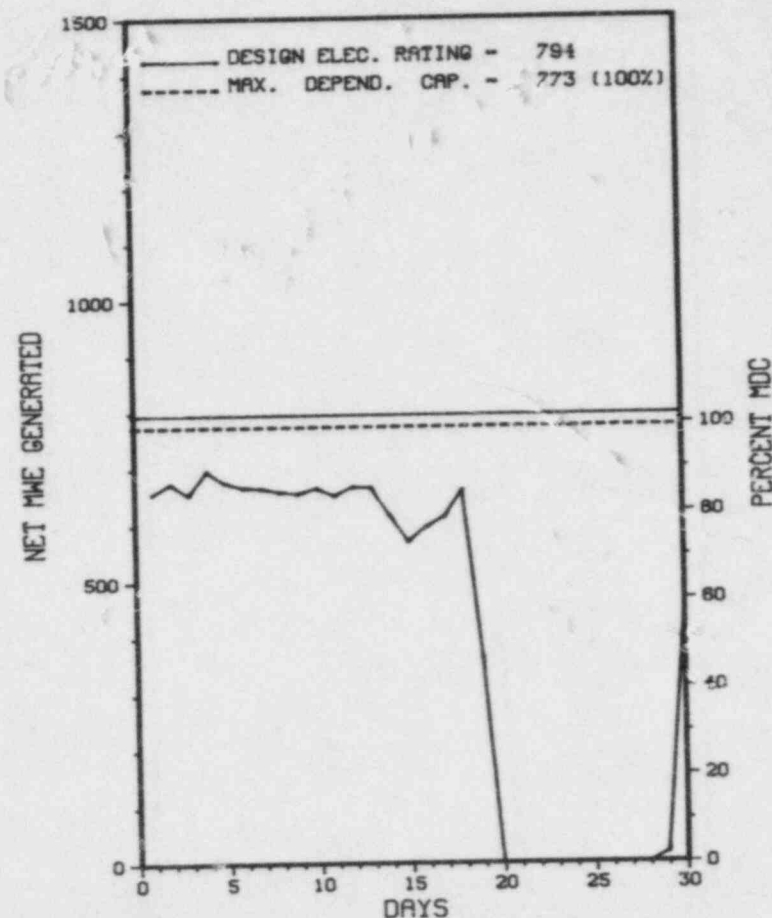
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>124,440.0</u>
13. Hours Reactor Critical	<u>427.2</u>	<u>6,069.9</u>	<u>92,194.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>474.3</u>	<u>5,984.4</u>	<u>89,157.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,020,264</u>	<u>13,424,993</u>	<u>180,484,922</u>
18. Gross Elec Ener (MWH)	<u>316,406</u>	<u>4,232,642</u>	<u>58,421,489</u>
19. Net Elec Ener (MWH)	<u>297,731</u>	<u>4,024,152</u>	<u>55,360,381</u>
20. Unit Service Factor	<u>65.9</u>	<u>91.4</u>	<u>71.6</u>
21. Unit Avail Factor	<u>65.9</u>	<u>91.4</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>53.5</u>	<u>79.5</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>52.1</u>	<u>77.4</u>	<u>56.0</u>
24. Unit Forced Outage Rate	<u>34.1</u>	<u>6.1</u>	<u>12.3</u>
25. Forced Outage Hours	<u>245.7</u>	<u>385.9</u>	<u>7,348.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING, MAINT., REPAIRS: AUTUMN 1985 - 6 MOS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
4	09/19/85	F	245.7	G	3	85-018		I.M. ERROR - E.H.C. PANEL RECORDER REMOVED IN AUXILIARY ELECTRIC ROOM - COMPUTER SENSED 0 SIGNAL BEING SENT TO MAXIMUM COMBINED STEAM FLOW - TURBINE CONTROL VALVES CLOSED AND RESULTANT HIGH FLUX CAUSED REACTOR SCRAM ON APRM HI-HI.

* SUMMARY *

DRESDEN 3 OPERATED WITH 1 OUTAGE DURING THE SEPTEMBER 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)

* DRESDEN 3 *

FACILITY DATA

Report Period SEP 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.....F.O. BOX 767
CHICAGO, ILLINOIS 60690

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....T. TONGUE

LICENSING PROJ MANAGER....R. GILBERT
DOCKET NUMBER.....50-249

LICENSE & DATE ISSUANCE...DPR-25, MARCH 2, 1971

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604 LIBERTY STREET
MORRIS, ILLINOIS 60450

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF JUNE 8 THROUGH AUGUST 19 (85019): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PREVIOUS FINDINGS, HEADQUARTERS REQUESTS, EVENTS, OPERATIONAL SAFETY, LICENSEE EVENT REPORTS, MAINTENANCE, SURVEILLANCE, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 201 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS INCLUDING 42 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. ONE WEAKNESS WAS IDENTIFIED AND CORRECTED (VERIFICATION OF CONTROL ROD MOVEMENTS WITH AN INOPERABLE ROD WORTH MINIMIZER).

INSPECTION ON AUGUST 12-16 AND 19-20 (85022): INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS; MANAGEMENT EFFECTIVENESS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN; AND 73.71 REPORTS. THE INSPECTION INVOLVED 108 INSPECTOR HOURS BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THIS INSPECTION.

INSPECTION ON AUGUST 13 AND AUGUST 29 (85023): SPECIAL, ANNOUNCED INSPECTION CONDUCTED TO PERFORM A REVIEW OF LICENSEE EVENT REPORT NO. 85-029-0 AND THE ADEQUACY OF CORRECTIVE ACTIONS RELATED TO THE EVENT. THE INSPECTION INVOLVED A TOTAL OF 9 HOURS ONSITE AND IN-OFFICE REVIEW BY ONE NRC INSPECTOR. ONE VIOLATION WAS IDENTIFIED IN THE ONE AREA INSPECTED (FAILURE TO ESTABLISH A CONTINUOUS FIRE WATCH PATROL AS REQUIRED BY TECHNICAL SPECIFICATION 3.12.H.2).

INSPECTION ON AUGUST 15, AUGUST 19-28, AND SEPTEMBER 3 (85024): UNANNOUNCED, ROUTINE SAFETY INSPECTION BY TWO REGIONAL INSPECTORS
PAGE 2-110

1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>93,479.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>2,524.2</u>	<u>65,086.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>130.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>2,502.8</u>	<u>63,350.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,083,384</u>	<u>3,390,108</u>	<u>79,850,041</u>
18. Gross Elec Ener (MWH)	<u>364,611</u>	<u>1,126,490</u>	<u>26,713,844</u>
19. Net Elec Ener (MWH)	<u>342,236</u>	<u>1,054,743</u>	<u>25,008,676</u>
20. Unit Service Factor	<u>100.0</u>	<u>38.2</u>	<u>67.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>38.2</u>	<u>67.8</u>
22. Unit Cap Factor (MDC Net)	<u>92.3</u>	<u>31.3</u>	<u>51.9</u>
23. Unit Cap Factor (DER Net)	<u>88.4</u>	<u>29.9</u>	<u>49.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>16.4</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):

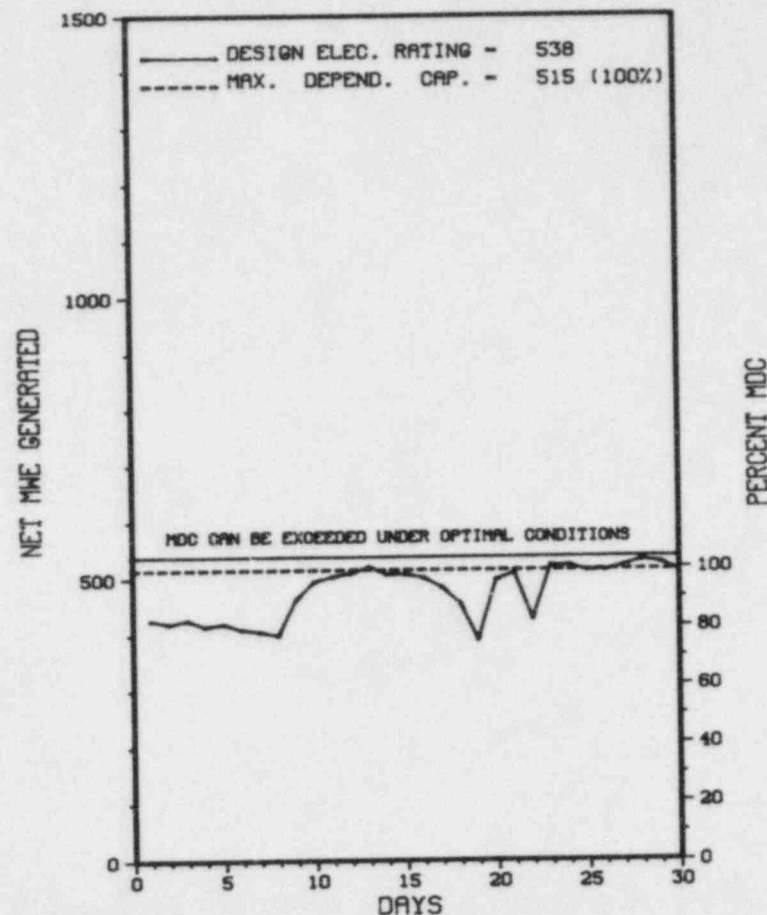
NONE

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

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



SEPTEMBER 1985

INSPECTION STATUS - (CONTINUED)

* DRESDEN 3 *

OF CALIBRATION, TESTS AND EXPERIMENTS, QA PROGRAM, QA/QC ADMINISTRATION, AND RECORDS PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 85 INSPECTOR-HOURS ONSITE AND 22 INSPECTOR-HOURS OF IN-OFFICE PROCEDURE AND RECORDS REVIEWS. ONE VIOLATION WAS IDENTIFIED IN THE QA PROGRAM AREA (FAILURE TO PROVIDE REQUIRED TRAINING).

NONE

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:

PREPARING FOR MAJOR PIPING REPLACEMENT IN OCTOBER

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

INSPECTION REPORT NO: 85029

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-15	08/20/85	09/09/85	INADVERTENT START OF THE STANDBY GAS TREATMENT SYSTEM
85-16	08/26/85	09/23/85	HIGH PRESSURE COOLANT INJECTION (HPCI) ROOM COOLER INOPERATIVE

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

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

* SUMMARY *

DUANE ARNOLD OPERATED ROUTINELY DURING SEPTEMBER.
4NE

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 SEP 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
ARCHITECT/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 AUGUST 5-9, 12-14, AND 21 (85019): ROUTINE, ANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS. THE REGION III MOBILE LABORATORY WAS ONSITE TO ANALYZE RADIOACTIVE SAMPLES WHICH WERE COLLECTED AND SPLIT WITH THE LICENSEE FOR COMPARISON. THE INSPECTORS ALSO REVIEWED RECENT PERSONNEL CHANGES IN THE CHEMISTRY GROUP AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED FINDINGS. THE INSPECTION INVOLVED 54 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 30 THROUGH AUGUST 2 (85020): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM AND SOLID RADIOACTIVE WASTE AND TRANSPORTATION ACTIVITIES, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION; FACILITIES AND EQUIPMENT; MAINTAINING OCCUPATIONAL EXPOSURES ALARA; SOLID RADWASTE ACTIVITIES; TRANSPORTATION; IE INFORMATION NOTICES 85-42 AND 85-43; LICENSEE'S RESPONSE TO PREVIOUS INSPECTION FINDINGS; AND A FORMER EMPLOYEE'S ALLEGATION CONCERNING TRAINING. THE INSPECTION INVOLVED 31 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 12-15 (85022): ROUTINE, UNANNOUNCED INSPECTION OF GASEOUS AND LIQUID RADIOACTIVE PROGRAMS INCLUDING: EFFLUENT RELEASES; RECORDS AND REPORTS OF EFFLUENTS; EFFLUENT CONTROL INSTRUMENTATION; PROCEDURES FOR CONTROLLING RELEASES; REACTOR COOLANT CHEMISTRY AND ACTIVITY; AND GASEOUS EFFLUENT FILTRATION. THE INSPECTION INVOLVED 27 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW LIQUID RADWASTE RELEASE PROCEDURES).

INSPECTION ON AUGUST 19-23 (85024): ROUTINE ANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR OF INSERVICE TESTING PROGRAM IMPLEMENTATION; INSERVICE TESTING OF PUMPS; INSERVICE TESTING OF VALVES; AND INSERVICE TEST WITNESSING. THE INSPECTION INVOLVED A
PAGE 2-114

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

TOTAL OF 50 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, INCLUDING 8 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN THREE AREAS. ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO DEMONSTRATE COMPONENT OPERABILITY).

ENFORCEMENT SUMMARY

10 CFR PART 50, APPENDIX B, CRITERIA V, AS IMPLEMENTED IN THE DUANE ARNOLD ENERGY CENTER UPDATED FINAL SAFETY ANALYSIS REPORT, REVISION 2, DATED MAY 17, 1984, PARAGRAPH 17.2.5, "INSTRUCTIONS, PROCEDURES AND DRAWINGS," REQUIRES THAT "ONCE INSTRUCTIONS, PROCEDURES AND DRAWINGS HAVE BEEN APPROVED AND ISSUED FOR USE, THE ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH THE DOCUMENTS." CONTRARY TO THE ABOVE, ON MAY 2, 1985, WHILE OBSERVING WELD OVERLAY ACTIVITIES THE INSPECTOR IDENTIFIED THAT TOOL AND MATERIAL LOGS WERE NOT BEING MAINTAINED AS REQUIRED BY GENERAL ELECTRIC PROCEDURE NO. GEDA-INS-001, "CLEANLINESS CONTROL PROCEDURE," AND IOWA ELECTRIC INSTRUCTION TOOL-1, REVISION 0, "TOOLS USE INSTRUCTION FOR RECIRCULATION SYSTEM PIPE REPAIR PROJECT WELD OVERLAYS" (331/85011-01).

(8501 4)

10 CFR 50.55A(G)4(II) REQUIRES THAT PUMP OPERABILITY BE PERIODICALLY VERIFIED PER CRITERIA DELINEATED IN SECTION XI OF THE ASME CODE. THESE CRITERIA INCLUDE MEASURING, TRENDING, AND EVALUATING VIBRATION DATA. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT VERIFY PUMP OPERABILITY VIA VIBRATION MEASUREMENTS USING VALID ACCEPTANCE CRITERIA OR TEST DATA FOR ALL FOUR RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS AND BOTH EMERGENCY SERVICE WATER PUMPS TESTED UNDER THE AUSPICES OF THE INSERVICE TESTING PROGRAM.

(8502 4)

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: OCTOBER 21-24, 1985

INSPECTION REPORT NO: 85031

Report Period SEP 1985

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

* DUANE ARNOLD *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
EVENT     REPORT
-----
85-29     08/12/85   09/11/85   FIRE HOSE STATIONS INOPERABLE LONGER THAN TECHNICAL SPECIFICATIONS LIMIT OF ONE HOUR
85-33     08/05/85   09/04/85   BOTH EMERGENCY DIESEL GENERATORS INOPERABLE
85-36     08/28/85   09/20/85   EMERGENCY DIESEL GENERATORS SEQUENCING DESIGN ANOMALY
=====
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Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

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

NONE

* SUMMARY *

FARLEY 1 OPERATED ROUTINELY WITH NO REPORTED REDUCTIONS DURING SEPTEMBER.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	F-Admin	2-Manual Scram	Instructions for
	B-Maint or Test	3-Auto Scram	Preparation of
	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		

* FARLEY 1

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

Report Period SEP 1985

FACILITY DESCRIPTION

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

INSPECTION SUMMARY

+ INSPECTION JULY 29 - AUGUST 2 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 36.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF DESIGN CONTROL PROGRAM, TEST AND EXPERIMENTS PROGRAM, AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) ADMINISTRATION PROGRAM. TWO VIOLATIONS WERE IDENTIFIED - DESIGN CHANGES CAUSED BY PLANT ACTIVITIES/WORK ITEMS AND SPECIAL TEST PROGRAM NONCOMPLIANCE WITH TECHNICAL SPECIFICATION (TS).

INSPECTION AUGUST 19-23 (85-35): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 74.5 INSPECTOR-HOURS ONSITE IN THE AREA OF LICENSEE'S ACTIONS IN IMPLEMENTATION OF THE FIRE PROTECTION AND PLANT SHUTDOWN REQUIREMENTS OF 10 CFR 50, APPENDIX R, SECTIONS III.G, III.J, III.L AND III.O. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 11 - SEPTEMBER 10 (85-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 55 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP OF EVENTS AND LICENSEE EVENT REPORTS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION B, THE ACCEPTED QA PROGRAM (FSAR 17.2.5), AND ANSI N18.7-1972 (SECTIONS 5.1.2 AND

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.....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

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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: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. WOODARD (205) 899-5156

4. Licensed Thermal Power (MWt): 2652

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

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 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

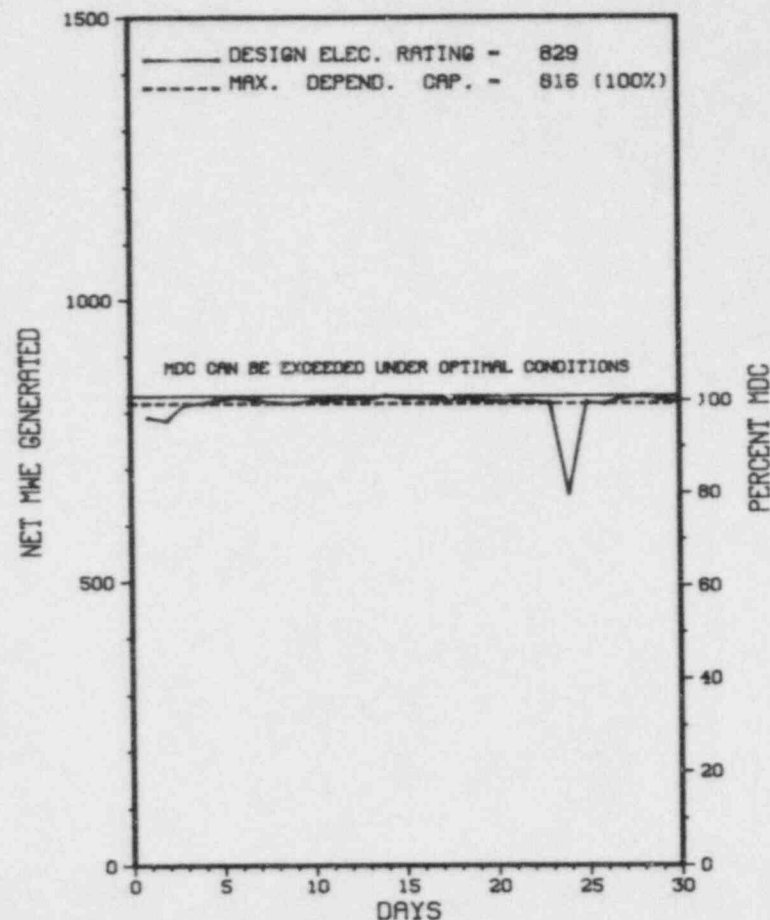
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>68,663.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,295.1</u>	<u>47,424.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,172.2</u>	<u>46,196.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,871,312</u>	<u>13,207,765</u>	<u>117,108,338</u>
18. Gross Elec Ener (MWH)	<u>617,622</u>	<u>4,299,552</u>	<u>37,292,670</u>
19. Net Elec Ener (MWH)	<u>585,878</u>	<u>4,055,676</u>	<u>35,184,722</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.0</u>	<u>67.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.0</u>	<u>67.3</u>
22. Unit Cap Factor (MDC Net)	<u>99.7</u>	<u>75.9</u>	<u>64.1*</u>
23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>74.7</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.6</u>	<u>12.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>136.9</u>	<u>6,382.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

 * FARLEY 1 *

ENFORCEMENT SUMMARY

6.2.2) THE LICENSEE FAILED TO FOLLOW PROCEDURE IN EVALUATING SURVEILLANCE TEST RESULTS ON 35 OF 165 TESTS SELECTED RANDOMLY.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION X, ACTIVITIES AFFECTING QUALITY WERE NOT INDEPENDENTLY IN-PROCESS INSPECTED TO ASSURE COMPLIANCE WITH PROCEDURES IN THAT CLASS 1 AND 2 PIPE WELDS COVERED BY MAINTENANCE WORK REQUEST NOS. 94322, 88067, AND 84604 DID NOT RECEIVE THE INDEPENDENT IN-PROCESS INSPECTIONS (FITUP, FINAL WELD VISUAL, ETC.) PERFORMED ON THE ORIGINAL WELDS. CONTRARY TO 10 CFR 30.41(C), ON MAY 30, 1985, THE LICENSEE FAILED TO VERIFY THAT THE BYPRODUCT MATERIAL IN RADIOACTIVE SHIPMENT NUMBER RMS 85-14 TRANSFERRED TO THE CHEM-NUCLEAR DISPOSAL SITE NEAR BARNWELL, S.C., WAS OF THE TYPE, FORM AND QUANTITY AUTHORIZED TO BE RECEIVED IN THAT THE RADIOACTIVE WASTE CONTAINED SLUDGES WHICH WERE NOT SOLIDIFIED AND SEVEN CONTAINERS (55-GALLON DRUMS) CONTAINED DETECTABLE FREE STANDING LIQUID IN EXCESS OF ONE-HALF PERCENT (0.5%) BY WASTE VOLUME. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, DURING THE PERIOD JANUARY - MAY, 1985, THE LICENSEE FAILED TO ADEQUATELY ESTABLISH A PROCEDURE FOR FILTER SLUDGE HANDLING IN THAT LICENSEE PROCEDURE FNP-1-ETP-4114 DID NOT ADDRESS PROCESSING OF SLUDGE LANCING FILTERS TO ENSURE THERE WAS NO EXCESS FREE STANDING LIQUID IN THE PACKAGED WASTE. CONTRARY TO TECHNICAL SPECIFICATION 6.5.3.1, THE REQUIREMENT THAT PROCEDURES BE REVIEWED BY AN INDIVIDUAL GROUP OTHER THAN THE INDIVIDUAL/GROUP WHICH PREPARED THE PROCEDURE WAS NOT MET IN THAT LICENSEE PROCEDURE FNP-1-ETP-4114, USED BETWEEN JANUARY AND MAY 1985 FOR SLUDGE LANCING STEAM GENERATORS, WAS NOT REVIEWED BY AN INDIVIDUAL/GROUP OTHER THAN THE INDIVIDUAL/GROUP WHICH PREPARED THE PROCEDURE.
 (8503 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED PROCEDURES IN THAT THE SUPPORT SETTINGS WERE NOT RECORDED AND VERIFIED FOR CLASS 2 SPRING HANGERS "A" ON ISO ALA-221 AND "F" ON ISO ALA-218.
 (8503 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: AUGUST 11 - SEPTEMBER 10, 1985 +

INSPECTION REPORT NO: 50-348/85-36 +

* FARLEY 1 *

REPORTS FROM LICENSEE

Report Period SEP 1985

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE.

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1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: J. D. WOODARD (205) 899-5156

4. Licensed Thermal Power (Mht): 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>720.0</u>	<u>6,551.0</u>	<u>36,576.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,679.1</u>	<u>31,591.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,605.3</u>	<u>31,183.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,867,238</u>	<u>11,637,710</u>	<u>80,063,306</u>
18. Gross Elec Ener (MWH)	<u>618,848</u>	<u>3,857,926</u>	<u>25,804,180</u>
19. Net Elec Ener (MWH)	<u>589,632</u>	<u>3,642,124</u>	<u>24,461,046</u>
20. Unit Service Factor	<u>100.0</u>	<u>70.3</u>	<u>85.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>70.3</u>	<u>85.3</u>
22. Unit Cap Factor (MDC Net)	<u>101.5</u>	<u>68.9</u>	<u>82.9</u>
23. Unit Cap Factor (DER Net)	<u>98.8</u>	<u>67.1</u>	<u>80.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.2</u>	<u>5.1</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):			

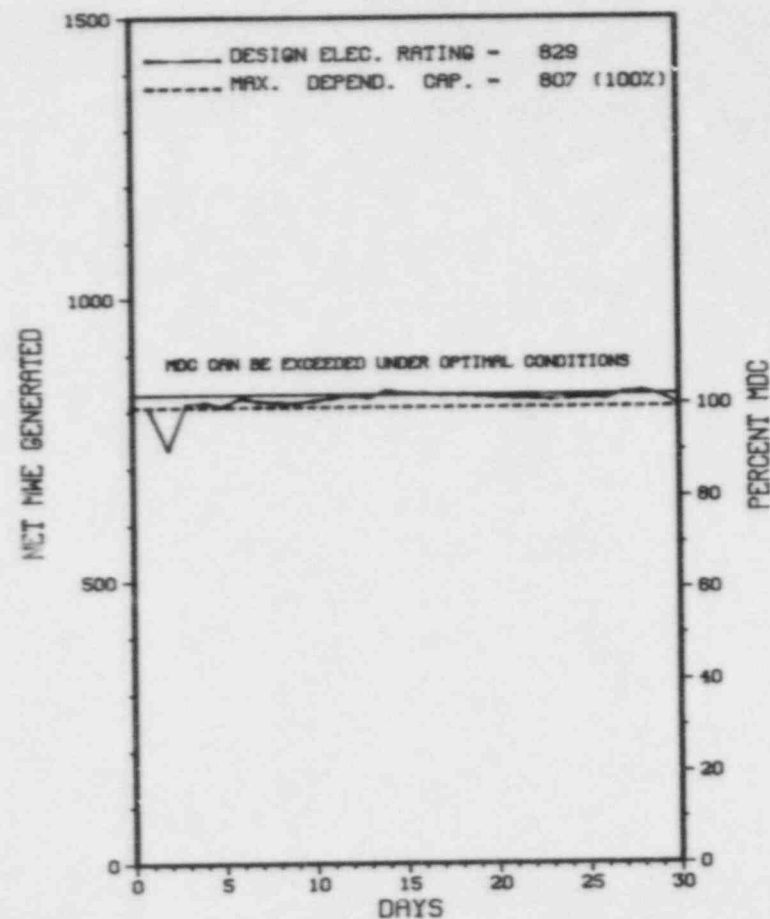
NONE

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

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



SEPTEMBER 1985

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

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

* FARLEY 2 *

FACILITY DATA

Report Period SEP 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 GENER...MAY 25, 1981
DATE COMMERCIAL OPERATE...JULY 30, 1981
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CHATAHOOCHEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 29 - AUGUST 2 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 37 INSPECTOR-HOURS ONSITE IN THE AREAS OF DESIGN CONTROL PROGRAM, TEST AND EXPERIMENTS PROGRAM, AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) ADMINISTRATION PROGRAM. TWO VIOLATIONS WERE IDENTIFIED - DESIGN CHANGES CAUSED BY PLANT ACTIVITIES/WORK ITEMS AND SPECIAL TEST PROGRAM NONCOMPLIANCE WITH TECHNICAL SPECIFICATION (TS).

INSPECTION AUGUST 19-23 (85-35): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 74.5 INSPECTOR-HOURS ONSITE IN THE AREA OF LICENSEE'S ACTIONS IN IMPLEMENTATION OF THE FIRE PROTECTION AND PLANT SHUTDOWN REQUIREMENTS OF 10 CFR 50, APPENDIX R, SECTIONS III.G, III.J, III.L AND III.O. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 11 - SEPTEMBER 10 (85-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 55 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP OF EVENTS AND LICENSEE EVENT REPORTS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, THE ACCEPTED QA PROGRAM (FSAR 17.2.5), AND ANSI N18.7-1972 (SECTIONS 5.1.2 AND

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 30.41(C), ON MAY 30, 1985, THE LICENSEE FAILED TO VERIFY THAT THE BYPRODUCT MATERIAL IN RADIOACTIVE SHIPMENT NUMBER RWS 85-14 TRANSFERRED TO THE CHEM-NUCLEAR DISPOSAL SITE NEAR BARNWELL, S.C., WAS OF THE TYPE, FORM AND QUANTITY AUTHORIZED TO BE RECEIVED IN THAT THE RADIOACTIVE WASTE CONTAINED SLUDGES WHICH WERE NOT SOLIDIFIED AND SEVEN CONTAINERS (55-GALLON DRUMS) CONTAINED DETECTABLE FREE STANDING LIQUID IN EXCESS OF ONE-HALF PERCENT (0.5%) BY WASTE VOLUME. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, DURING THE PERIOD JANUARY - MAY, 1985, THE LICENSEE FAILED TO ADEQUATELY ESTABLISH A PROCEDURE FOR FILTER SLUDGE HANDLING IN THAT LICENSEE PROCEDURE FNP-1-ETP-4114 DID NOT ADDRESS PROCESSING OF SLUDGE LANCING FILTERS TO ENSURE THERE WAS NO EXCESS FREE STANDING LIQUID IN THE PACKAGED WASTE. CONTRARY TO TECHNICAL SPECIFICATION 6.5.3.1, THE REQUIREMENT THAT PROCEDURES BE REVIEWED BY AN INDIVIDUAL GROUP OTHER THAN THE INDIVIDUAL/GROUP WHICH PREPARED THE PROCEDURE WAS NOT MET IN THAT LICENSEE PROCEDURE FNP-1-ETP-4114, USED BETWEEN JANUARY AND MAY 1985 FOR SLUDGE LANCING STEAM GENERATORS, WAS NOT REVIEWED BY AN INDIVIDUAL/GROUP OTHER THAN THE INDIVIDUAL/GROUP WHICH PREPARED THE PROCEDURE.

(8503 4)

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 11 - SEPTEMBER 10, 1985 +

INSPECTION REPORT NO: 50-364/85-36 +

REPORTS FROM LICENSEE

PAGE 2-127

1. Docket: 50-333 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>89,232.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,650.6</u>	<u>63,266.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,455.7</u>	<u>61,403.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,741,536</u>	<u>7,814,232</u>	<u>130,750,186</u>
18. Gross Elec Ener (MWH)	<u>588,950</u>	<u>2,625,010</u>	<u>44,343,420</u>
19. Net Ele Ener (MWH)	<u>569,065</u>	<u>2,536,745</u>	<u>42,934,750</u>
20. Unit Service Factor	<u>100.0</u>	<u>52.8</u>	<u>68.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>52.8</u>	<u>68.8</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>47.8</u>	<u>62.4*</u>
23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>47.2</u>	<u>58.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.8</u>	<u>13.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>553.6</u>	<u>9,760.1</u>

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

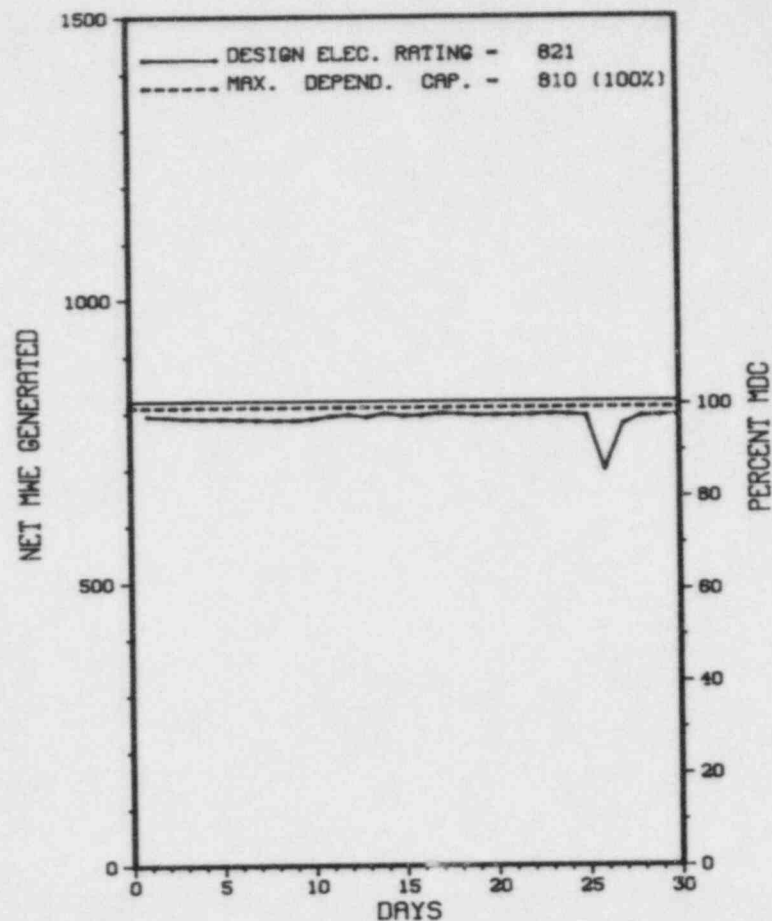
MAINTENANCE OUTAGE: 3/10/86 - 2 WEEKS.

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

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

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

NONE

* SUMMARY *

THE FITZPATRICK PLANT OPERATED AT NEAR FULL THERMAL POWER FOR THIS ENTIRE REPORTING PERIOD.

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

* FITZPATRICK *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: T. P. MATTHEWS (402) 536-4733

4. Licensed Thermal Power (MWT): 1500

5. Nameplate Rating (Gross MWe): 591 X 0.85 = 502

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>6,551.0</u>	<u>105,336.0</u>
13. Hours Reactor Critical	<u>661.5</u>	<u>6,466.1</u>	<u>82,466.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>658.8</u>	<u>6,455.5</u>	<u>81,073.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>974,987</u>	<u>9,564,277</u>	<u>103,751,045</u>
18. Gross Elec Ener (MWH)	<u>324,508</u>	<u>3,214,944</u>	<u>34,296,424</u>
19. Net Elec Ener (MWH)	<u>309,015</u>	<u>3,066,254</u>	<u>32,477,885</u>
20. Unit Service Factor	<u>91.5</u>	<u>98.5</u>	<u>77.0</u>
21. Unit Avail Factor	<u>91.5</u>	<u>98.5</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>89.8</u>	<u>97.9</u>	<u>67.0*</u>
23. Unit Cap Factor (DER Net)	<u>89.8</u>	<u>97.9</u>	<u>64.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,750.3</u>

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

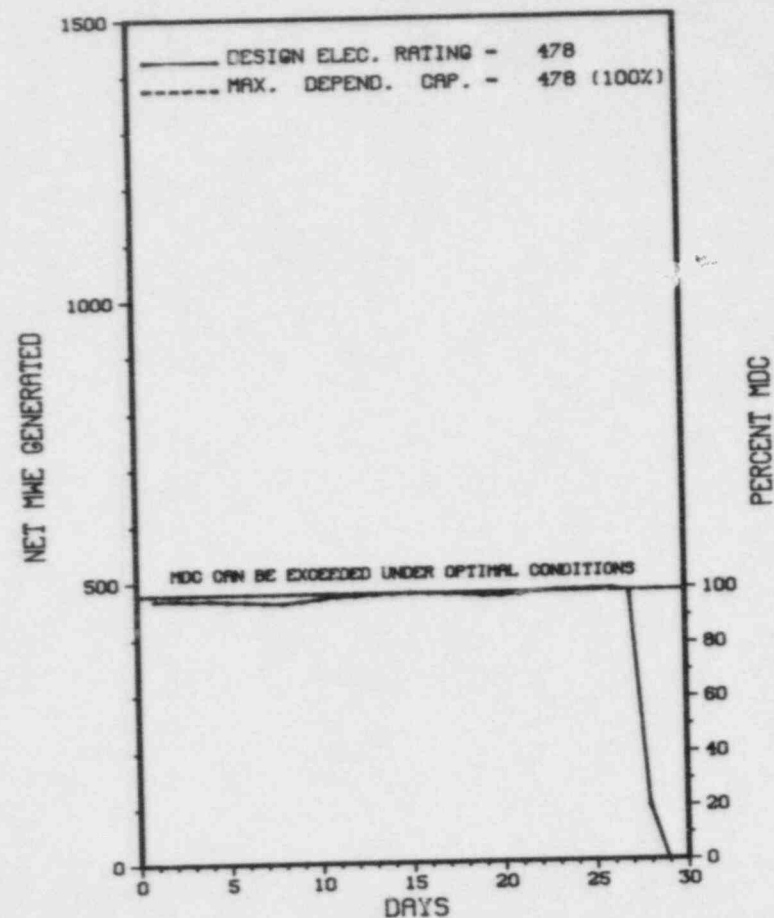
NONE

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 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	61.2	C	1		RC	FUELXX	1985 REFUELING OUTAGE COMMENCED SEPTEMBER 28, 1985.

 * SUMMARY *

 FORT CALHOUN SHUTDOWN FOR REFUELING ON SEPTEMBER 28TH.

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)

* FORT CALHOUN 1 *

FACILITY DATA

Report Period SEP 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA
COUNTY.....WASHINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI N OF
OMAHA, NEB
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 6, 1973
DATE ELEC ENER 1ST GENER...AUGUST 25, 1973
DATE COMMERCIAL OPERATE...JUNE 20, 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.....OMAHA PUBLIC POWER DISTRICT
CORPORATE ADDRESS.....1623 HARNEY STREET
OMAHA,, NEBRASKA 68102
CONTRACTOR
ARCHITECT/ENGINEER.....GIBBS, HILL, DURHAM & RICHARDSON
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....GIBBS, HILL, DURHAM & RICHARDSON
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....P. HARVELL
LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-285
LICENSE & DATE ISSUANCE...DPR-40, AUGUST 9, 1973
PUBLIC DOCUMENT ROOM.....W. DALE CLARK LIBRARY
215 S. 15TH STREET
OMAHA, NEBRASKA 68102

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JULY 1 - AUGUST 31, 1985 (85-15)

ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, PREPARATION FOR REFUELING, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, TECHNICAL SPECIFICATION IMPLEMENTATION, AND FOLLOWUP OF IE BULLETINS.

WITHIN THE SEVEN AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO ESTABLISH DOCUMENT CONTROL PROCEDURES; FAILURE TO MEET LICENSING REQUIREMENTS AND FAILURE TO IMPLEMENT TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENTS).

INSPECTION CONDUCTED JULY 22-26, 1985 (85-16)

ROUTINE, ANNOUNCED EMERGENCY PREPAREDNESS EXERCISE OBSERVATIONS, EVALUATION AND INSPECTION.

WITHIN THE EMERGENCY RESPONSE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TEN DEFICIENCIES WERE IDENTIFIED BY NRC AND CONTRACTOR INSPECTORS.

ENFORCEMENT SUMMARY

NONE

Report Period SEP 1985

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

* FORT CALHOUN 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 1 - AUGUST 31, 1985 BY L.A. YANDELL

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
85-004 REV 0	6/20/85	7/19/85	VIAS ACTUATION
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: FRANK NOVACHEK (303) 785-2224

4. Licensed Thermal Power (Mwt): 842

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

6. Design Electrical Rating (Net MWe): 330

7. Maximum Dependable Capacity (Gross MWe): 342

8. Maximum Dependable Capacity (Net MWe): 330

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

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

11. Reasons for Restrictions, If Any: _____

8-0 STARTUP TESTING.

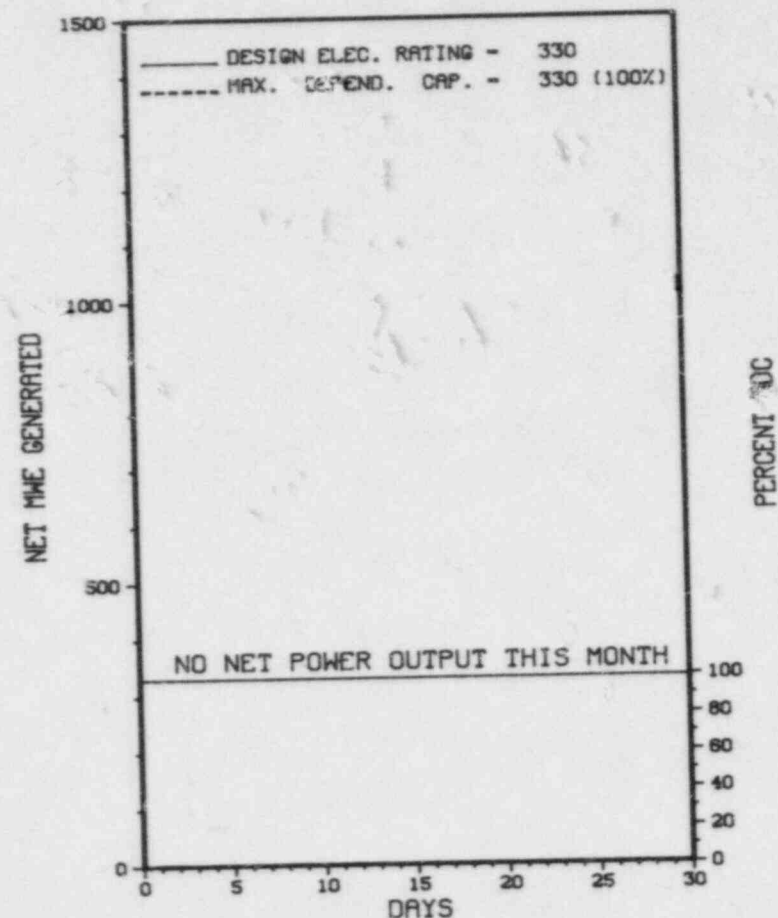
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>54,816.0</u>
13. Hours Reactor Critical	<u>.2</u>	<u>67.9</u>	<u>27,219.3</u>
14. Rx Reserve Sntdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>18,463.5</u>
16. Unit Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>109</u>	<u>9,709,908</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>3,248,888</u>
19. Net Elec Ener (MWH)	<u>-3,065</u>	<u>-21,538</u>	<u>2,906,714</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>33.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>33.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>16.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>16.1</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>55.3</u>
25. Forced Outage Hours	<u>720.0</u>	<u>6,551.0</u>	<u>22,880.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 10/16/85

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



SEPTEMBER 1985

Report Period SEP 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	720.0	G	4	85-012	AB	XXXXXX	PRIMARY COOLANT CLEANUP CONTINUES.

 * SUMMARY *

 FORT ST. VRAIN REMAINS SHUTDOWN FOR MAINTENANCE.

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

* FORT ST VRAIN *

FACILITY DATA

Report Period SEP 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.....P. WAGNER
DOCKET NUMBER.....50-267

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 17 - AUGUST 16, 1985 (85-17)

ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION AND PRESTRESSED CONCRETE REACTOR VESSEL INTERSPACE HELIUM PRESSURE.

WITHIN THE TWO AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN EACH AREA.

INSPECTION CONDUCTED JUNE 17-21, 1985 (85-18)

ROUTINE, ANNOUNCED EMERGENCY PREPAREDNESS EXERCISE OBSERVATIONS, EVALUATION AND INSPECTION.

WITHIN THE EMERGENCY RESPONSE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ELEVEN DEFICIENCIES WERE IDENTIFIED BY NRC AND CONTRACTOR INSPECTORS.

INSPECTION CONDUCTED JULY 21-31, 1985 (85-21)

ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION.

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

Report Period SEP 1985

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

* FORT ST VRAIN *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

THE LICENSEE'S QA PROGRAM THAT WAS APPLIED TO THE ALTERNATE COOLING METHOD (ACM) EQUIPMENT, THE FIRE PROTECTION SYSTEM, AND THE PLANT SECURITY SYSTEM, WAS NOT DOCUMENTED BY WRITTEN POLICIES, PROCEDURES, OR INSTRUCTIONS AS REQUIRED BY 10 CFR 50, APPENDIX B, CRITERION II.
(8403 4)

HOUSEKEEPING AND SYSTEM CLEANINESS REQUIREMENTS WERE NOT FOLLOWED DURING REPAIRS TO HV-2253 AND HV-2254.

SURVEILLANCE SR 5.6.1B-SA, "LESS OF OUTSIDE POWER AND TURBINE TRIP," REQUIREMENTS WERE NOT FOLLOWED.

QC HOLD POINTS INCORPORATED INTO THE CONTROL-ROD-DRIVE-REFURBISHMENT PROCEDURES WERE NOT SIGNED OFF BY QC AND WORK WAS ALLOWED TO CONTINUE. EVEN THOUGH THE WORKMAN HAD SIGNED OFF THE STEP AS COMPLETE AND QC HAD SIGNED OFF THE HOLD POINT VERIFYING STEP COMPLETION, THE SECOND-STAGE SIMPLEX BEARING FOR CRD 18 WAS INSTALLED BACKWARDS. FOR NONCONFORMANCE REPORTS (NRC) ADDRESSING CRD REFURBISHMENT REPAIRS, QC REQUIREMENTS WERE NOT DENOTED.

NONCONFORMING CRD-ASSEMBLY-SHAFT-POTENTIOMETER DRIVES HAD BEEN IDENTIFIED AND A NONCONFORMANCE REPORT WAS NOT INITIATED.
(8500 4)

REQUIREMENTS SPECIFIED IN THE NOTES ON NSSS DESIGN DRAWINGS WERE NOT EMPLOYED DURING THE DEVELOPMENT AND USE OF THE CRD REFURBISHMENT PROCEDURES, AND BUSHING CAPS HAD NO IDENTIFICATION MARKS.
(8500 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT IS CRITICAL.

LAST IE SITE INSPECTION DATE: JUNE 17 - AUGUST 16, 1985

INSPECTION REPORT NO: 50-267/85-17

Report Period SEP 1985

REPORTS FROM LICENSEE

* FORT ST VRAIN *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>138,911.0</u>
13. Hours Reactor Critical	<u>706.0</u>	<u>5,646.1</u>	<u>106,094.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>690.5</u>	<u>5,516.2</u>	<u>103,807.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>1,010,352</u>	<u>8,158,896</u>	<u>144,444,257</u>
18. Gross Elec Ener (MWH)	<u>333,002</u>	<u>2,727,031</u>	<u>47,212,439</u>
19. Net Elec Ener (MWH)	<u>316,520</u>	<u>2,575,290</u>	<u>44,758,312</u>
20. Unit Service Factor	<u>95.9</u>	<u>84.2</u>	<u>74.7</u>
21. Unit Avail Factor	<u>95.9</u>	<u>84.2</u>	<u>74.7</u>
22. Unit Cap Factor (MDC Net)	<u>93.5</u>	<u>83.6</u>	<u>70.2*</u>
23. Unit Cap Factor (DER Net)	<u>93.5</u>	<u>83.6</u>	<u>70.2*</u>
24. Unit Forced Outage Rate	<u>4.1</u>	<u>2.2</u>	<u>7.3</u>
25. Forced Outage Hours	<u>29.5</u>	<u>121.8</u>	<u>4,220.8</u>

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

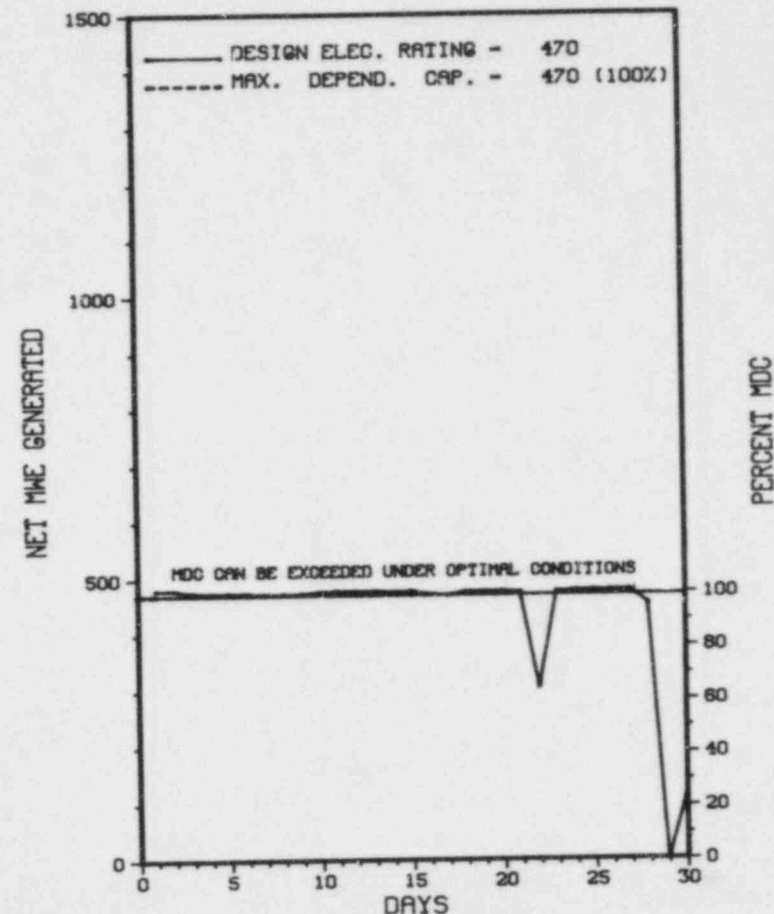
REFUELING & MAINTENANCE - FEBRUARY 8 - 49 DAYS

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

* GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* GINNA *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/06/85	S	0.0	B	5				POWER REDUCTION TO APPROX. 98% FOR A SHORT PERIOD TO PERFORM PERIODIC TEST ON AUXILIARY FEEDWATER SYSTEM.
85-6	09/28/85	F	29.5	A	1	85-018	HA	INSTRU	TURBINE CONTROL E.H. PROBLEMS.

* SUMMARY *

GINNA OPERATED WITH 1 OUTAGE DUE TO EQUIPMENT FAILURE DURING SEPTEMBER.

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

* GINNA *

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

Report Period SEP 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):

* GINNA *

Report Period SEP 1985 I N S P E C T I O N S T A T U S - (CONTINUED)

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: 50-416 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 3833

5. Nameplate Rating (Gross MWe): 1373

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>720.0</u>	<u>2,208.0</u>	<u>2,208.0</u>
13. Hours Reactor Critical	<u>697.3</u>	<u>2,097.0</u>	<u>2,097.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>680.7</u>	<u>2,039.4</u>	<u>2,039.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,401,704</u>	<u>6,802,897</u>	<u>6,802,897</u>
18. Gross Elec Ener (MWH)	<u>755,440</u>	<u>2,108,210</u>	<u>2,108,210</u>
19. Net Elec Ener (MWH)	<u>722,497</u>	<u>2,010,664</u>	<u>2,010,664</u>
20. Unit Service Factor	<u>94.5</u>	<u>92.4</u>	<u>92.4</u>
21. Unit Avail Factor	<u>94.5</u>	<u>92.4</u>	<u>92.4</u>
22. Unit Cap Factor (MDC Net)	<u>90.6</u>	<u>82.2</u>	<u>82.2</u>
23. Unit Cap Factor (DER Net)	<u>80.3</u>	<u>72.9</u>	<u>72.9</u>
24. Unit Forced Outage Rate	<u>5.5</u>	<u>7.6</u>	<u>7.6</u>
25. Forced Outage Hours	<u>39.3</u>	<u>168.6</u>	<u>168.6</u>

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

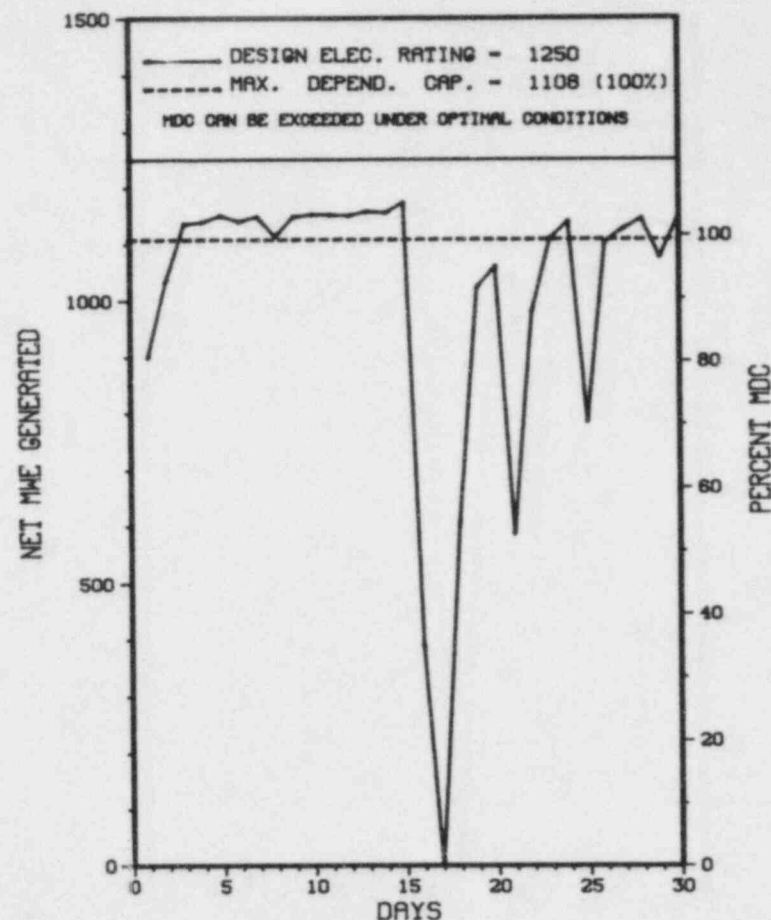
FALL OUTAGE; OCTOBER 16, 1985; 44 DAYS

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

* GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-20	09/16/85	F	39.3	H	3	85-036	KK	BKR	THE REACTOR AUTOMATICALLY SCRAMMED AS THE RESULT OF A TURBINE TRIP ON LOW CONDENSER VACUUM. THE LOW CONDENSER VACUUM WAS DUE TO THE CIRCULATING WATER PUMPS TRIPPING ON LOW LUBE WATER FLOW.
85-21	09/21/85	F	0.0	A	5		SN	LCV	REACTOR POWER WAS REDUCED TO REMOVE FEEDWATER HEATER 6B FROM SERVICE TO REPAIR A STEAM LEAK AT A MSR DRAIN TANK LEVEL CONTROL VALVE.
85-22	09/25/85	F	0.0	A	5	85-038	EF	XFMR	REACTOR POWER WAS REDUCED FOLLOWING DIVISION 1 PRIMARY CONTAINMENT AND SECONDARY CONTAINMENT ISOLATIONS PRODUCED WHEN A TRANSFORMER FAILED IN INVERTER 1Y87. THE TRANSFORMER WAS REPLACED.

* SUMMARY *

GRAND GULF 1 OPERATED WITH 1 OUTAGE AND 2 REDUCTIONS DURING SEPTEMBER.

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

* GRAND GULF 1 *

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 29 - AUGUST 2 (85-27): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 68 INSPECTOR-HOUR ONSITE IN THE AREAS OF QA PROGRAM REVIEW, QA/QC ADMINISTRATION, SURVEILLANCE TESTING AND CALIBRATION CONTROL, AND MEASURING AND TEST EQUIPMENT. ONE VIOLATION WAS IDENTIFIED - FAILURE TO PROMPTLY EVALUATE MEASURING AND TEST EQUIPMENT FOUND OUT OF CALIBRATION.

INSPECTION AUGUST 19-23 (85-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE WELDING AND NONDESTRUCTIVE EXAMINATION (NDE) (UNIT 1) AND ASME CODE WELDING (UNIT 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 17 - SEPTEMBER 16 (85-33): THIS ROUTINE INSPECTION ENTAILED 85 RESIDENT INSPECTOR-HOURS AT THE SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, REPORTABLE OCCURRENCES, AND DESIGN, DESIGN CHANGES AND MODIFICATIONS. OF THE FIVE AREAS INSPECTED, NO APPARENT VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; THREE APPARENT VIOLATIONS WERE FOUND IN TWO AREAS.

ENFORCEMENT SUMMARY

NONE

Report Period SEP 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:

OPERATING AT 100 %. +

PLANT DECLARED COMMERCIAL ON 7/1/85.

100 HOUR WARRANTY RUN COMPLETE ON 8/23/85. +

LAST IE SITE INSPECTION DATE: AUGUST 17 - SEPTEMBER 16, 1985 +

INSPECTION REPORT NO: 50-416/85-33 +

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

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NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
-----
85-029      07/24/85    08/23/85    DISCOVERY OF UNSEALED FIRE BARRIERS, THE CAUSE OF THE OPEN PENETRATIONS COULD NOT BE DETERMINED.
85-030      08/07/85    09/05/85    REACTOR SCRAM DUE TO MAIN GENERATOR TRIP, DUE TO A FAULTY INSTRUMENT PLUG CONNECTOR.
=====
```


1. Docket: 50-213 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1825

5. Nameplate Rating (Gross MWe): 667 X 0.9 = 600

6. Design Electrical Rating (Net MWe): 582

7. Maximum Dependable Capacity (Gross MWe): 596

8. Maximum Dependable Capacity (Net MWe): 569

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>155,591.0</u>
13. Hours Reactor Critical	<u>699.0</u>	<u>6,496.8</u>	<u>134,213.8</u>
14. Rx Reserve Shtdwn Hrs	<u>21.0</u>	<u>21.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>695.7</u>	<u>6,447.0</u>	<u>128,650.4</u>
16. Unit Reserve Shtdwn Hrs	<u>24.3</u>	<u>24.3</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>1,221,235</u>	<u>11,365,648</u>	<u>223,552,831</u>
18. Gross Elec Ener (MWH)	<u>395,385</u>	<u>3,704,950</u>	<u>73,363,669</u>
19. Net Elec Ener (MWH)	<u>376,326</u>	<u>3,529,898</u>	<u>69,792,889</u>
20. Unit Service Factor	<u>96.6</u>	<u>98.4</u>	<u>82.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.8</u>	<u>82.9</u>
22. Unit Cap Factor (MDC Net)	<u>91.9</u>	<u>94.7</u>	<u>82.4*</u>
23. Unit Cap Factor (DER Net)	<u>89.8</u>	<u>92.6</u>	<u>77.1*</u>
24. Unit Forced Outage Rate	<u>3.4</u>	<u>1.6</u>	<u>5.7</u>
25. Forced Outage Hours	<u>24.3</u>	<u>104.0</u>	<u>1,292.1</u>

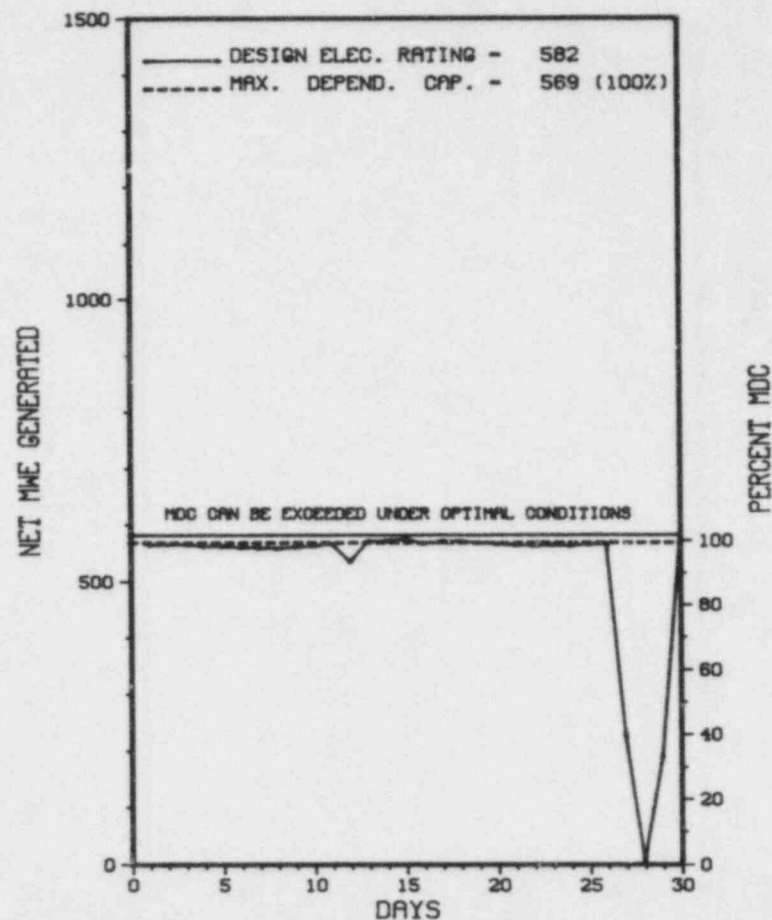
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, 01/04/86, 8 TO 12 WEEKS.

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-08	09/28/85	F	24.3	F	1				SHUT DOWN REACTOR DUE TO ANTICIPATED HURRICANE CONDITIONS.

 * SUMMARY *

CONNECTICUT YANKEE HADDAM NECK OPERATED WITH 1 OUTAGE FOR A HURRICANE WARNING DURING SEPTEMBER.

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

* HADDAM NECK *

FACILITY DATA

Report Period SEP 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, CONNECTICUT 06457

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO FOLLOW DESIGN CHANGE CONTROL PROCEDURES ACP 1.0-3.1 AND NEO 3.12. THE DESIGN REVIEW AND SAFETY EVALUATION FOR PDCR 713, PROCESS COMPUTER REPLACEMENT, FAILED TO IDENTIFY THAT THE WORK SCOPE REMOVED TECHNICAL SPECIFICATION REQUIRED FIRE PROTECTION EQUIPMENT. THE PORC REVIEW OF PDCR 713, PROCESS COMPUTER REPLACEMENT, REQUIRED BY TECHNICAL SPECIFICATION 6.5, WAS INADEQUATE BECAUSE IT FAILED TO IDENTIFY THAT THE WORK SCOPE REMOVED TS REQUIRED FIRE PROTECTION EQUIPMENT.
(8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

Report Period SEP 1985

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

* HADDAM NECK *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>85,463.0</u>
13. Hours Reactor Critical	<u>681.2</u>	<u>5,550.5</u>	<u>60,695.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>669.0</u>	<u>5,367.3</u>	<u>57,235.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,558,044</u>	<u>12,117,333</u>	<u>121,297,087</u>
18. Gross Elec Ener (MWH)	<u>508,000</u>	<u>3,970,360</u>	<u>39,216,890</u>
19. Net Elec Ener (MWH)	<u>485,806</u>	<u>3,790,638</u>	<u>37,238,448</u>
20. Unit Service Factor	<u>92.9</u>	<u>81.9</u>	<u>67.0</u>
21. Unit Avail Factor	<u>92.9</u>	<u>81.9</u>	<u>67.0</u>
22. Unit Cap Factor (MDC Net)	<u>89.7</u>	<u>76.9</u>	<u>57.9</u>
23. Unit Cap Factor (DER Net)	<u>86.8</u>	<u>74.5</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>7.1</u>	<u>14.4</u>	<u>15.7</u>
25. Forced Outage Hours	<u>51.0</u>	<u>902.1</u>	<u>10,479.7</u>

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

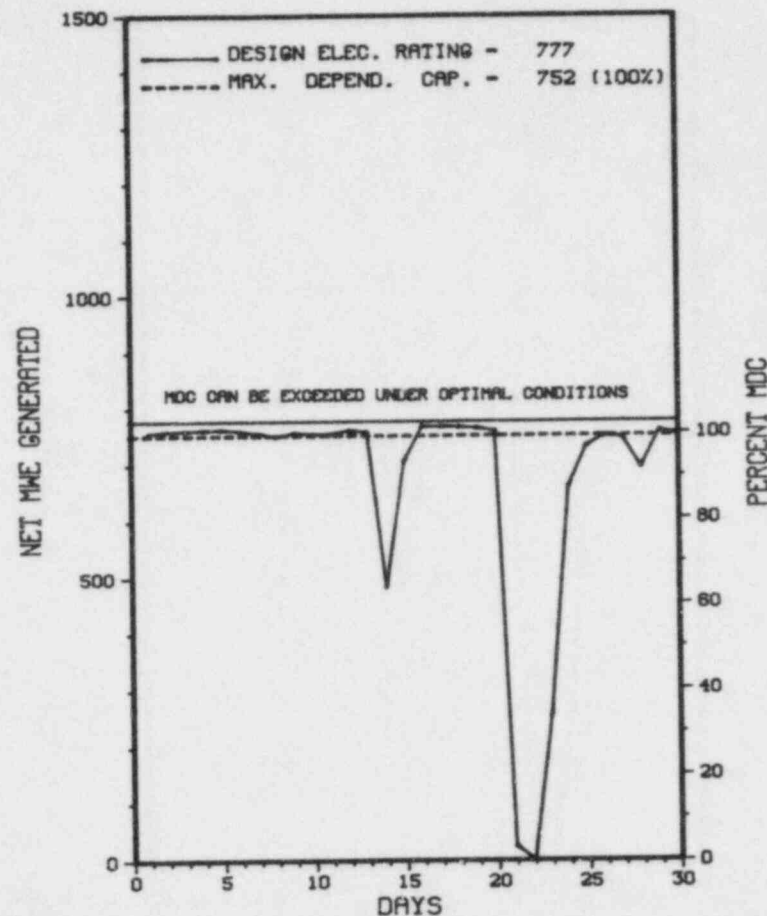
REFUELING OUTAGE: NOVEMBER 30, 1985 - 14 WEEKS

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

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MW_a) PLOT

HATCH 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-073	09/13/85	S	0.0	B	5		CB	XXXXXX	REDUCING LOAD TO CLEAN CIRC WATER SCREENS AND ROD PATTERN ADJUSTMENT.
85-074	09/20/85	F	51.0	A	2		CG	VALVEX	MANUAL SCRAM TO REPAIR RWCU VALVE.
85-075	09/23/85	F	0.0	A	5		CG	VALVEX	SCRAM RECOVERY FROM ABOVE OUTAGE.
85-076	09/27/85	S	0.0	B	5		RC	CONROD	REDUCING LOAD FOR ROD PATTERN ADJUSTMENT AND WEEKLY TURBINE TESTING.

***** HATCH 1 OPERATED WITH 3 REDUCTIONS AND 1 OUTAGE IN SEPTEMBER.
 * SUMMARY *

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

* HATCH 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 27 - AUGUST 30 (85-24): THIS INSPECTION INVOLVED 72 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, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED, ONE IN THE AREA OF REPORTING (PARAGRAPH 6) AND ONE IN THE AREA OF TECHNICAL SPECIFICATION CHANGES (PARAGRAPH 10).

INSPECTION AUGUST 6-9 (85-25): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 82 INSPECTOR-HOURS ONSITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE REQUIREMENTS OF APPENDIX E TO 10 CFR PART 50 AND THE PLANNING STANDARDS OF 50.47(B). 10 CFR 50.47(B)(15) REQUIRES THAT THOSE WHO MAY BE CALLED ON TO ASSIST IN AN EMERGENCY BE PROVIDED RADIOLOGICAL EMERGENCY RESPONSE TRAINING. SECTION J OF THE HATCH NUCLEAR PLANT EMERGENCY PLAN STATES IN PART THAT IT IS THE RESPONSIBILITY OF THE EMERGENCY DIRECTOR TO RECOMMEND ACTIONS TO THE STATE AGENCIES TO PROTECT THE PUBLIC. SECTION B OF THE PLAN STATES THAT THE OPERATIONS SUPERVISOR INITIALLY TAKES CHARGE OF THE EMERGENCY CONTROL MEASURES BY ASSUMING THE POSITION OF EMERGENCY DIRECTOR. SECTION O OF THE PLAN STATES THAT THE DIRECTORS AND

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* HATCH 1 *

ENFORCEMENT SUMMARY

COORDINATORS OF THE PLANT EMERGENCY ORGANIZATION ARE SCHOOLED ON THE INITIATING CONDITIONS AND THE EMERGENCY RESPONSE ACTIONS FOR VARIOUS EMERGENCY SITUATIONS. CONTRARY TO THE ABOVE, OPERATIONS SUPERVISORS INTERVIEWED DURING THE INSPECTION WERE NOT ADEQUATELY TRAINED IN THAT THEY WERE NOT CAPABLE OF DETERMINING WHAT TYPE OF PROTECTIVE ACTION RECOMMENDATIONS SHOULD BE CONSIDERED TO PROTECT HEALTH AND SAFETY.
(8502 4)

TECHNICAL SPECIFICATION 6.8.1.C, REQUIRES THAT WRITTEN PROCEDURES BE IMPLEMENTED AND MAINTAINED COVERING SURVEILLANCE AND TEST ACTIVITIES OF SAFETY-RELATED EQUIPMENT. CONTRARY TO THE ABOVE, THE FOLLOWING SAFETY-RELATED CALIBRATION PROCEDURES INCORRECTLY REFERENCED THE FILING CODES, WHICH ARE USED TO LOCATE VENDOR TECHNICAL MANUALS IN THE SITE DOCUMENT ROOM: (A) HNP-1-5251, REVISION 11, AND HNP-2-5251, REVISION 5, GENERAL ELECTRIC TYPE 547 SELF SYNCHRONIZING MANUAL/AUTOMATIC TRANSFER STATION. (B) HNP-2-5255, REVISION 2, GE 562 LIMITER CALIBRATION. (C) HNP-2-5273, REVISION 6, MODEL 195-4 MERCROID LEVEL SWITCH. (D) HNP-1-5261, REVISION 16, AGASTAT TIMING RELAY CALIBRATION. TECHNICAL SPECIFICATION 6.8.1.E REQUIRES IN PART, THAT THE LICENSEE MAINTAINS WRITTEN PROCEDURES FOR EMERGENCY PLAN IMPLEMENTATION. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO HAVE EMERGENCY IMPLEMENTING PROCEDURE 63EP-3IP-073-0 ENTITLED, USE OF EMERGENCY COMMUNICATIONS, IN THE TECHNICAL SUPPORT CENTER'S CONTROLLED COPY OF EMERGENCY PLAN IMPLEMENTING PROCEDURES. 10 CFR 50.54(T) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES SHALL PROVIDE FOR A REVIEW OF ITS EMERGENCY PREPAREDNESS PROGRAM AT LEAST EVERY 12 MONTHS BY PERSONS WHO HAVE NO DIRECT RESPONSIBILITY FOR IMPLEMENTATION OF THE EMERGENCY PREPAREDNESS PROGRAM. THE REVIEW SHALL INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACE WITH STATE AND LOCAL GOVERNMENTS. CONTRARY TO THE ABOVE, AN INDEPENDENT AUDIT OF THE EMERGENCY PREPAREDNESS PROGRAM TO INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACE WITH STATE AND LOCAL GOVERNMENTS WAS NOT CONDUCTED DURING 1984.

(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OPERATING AT 100%

LAST IE SITE INSPECTION DATE: JULY 27 - AUGUST 30, 1985 +

INSPECTION REPORT NO: 50-321/85-24 +

Report Period SEP 1985

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

* HATCH 1 *

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=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
-----
85-028      07/29/85    08/28/85    FAILURE TO COMPLY WITH T.S. SURVEILLANCE REQUIREMENTS, A STANDING ORDER WHICH WILL DOCUMENT
            08/09/85    08/20/85    COMPLIANCE WITH REQUIREMENTS UNTIL APPROPRIATE PROCEDURES ARE REVISED WAS IMPLEMENTED.
85-029      08/09/85    08/20/85    PRE-PLANNED ALTERNATE MONITORING METHOD DID NOT MEET T.S. REQUIREMENTS, THE CAUSE OF THIS EVENT
            WAS NON-LICENSED PERSONNEL ERROR.
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1. Docket: 50-366 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>53,232.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,301.4</u>	<u>35,649.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,202.2</u>	<u>33,969.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,720,200</u>	<u>12,242,664</u>	<u>73,794,287</u>
18. Gross Elec Ener (MWH)	<u>566,360</u>	<u>4,053,830</u>	<u>24,346,880</u>
19. Net Elec Ener (MWH)	<u>542,565</u>	<u>3,876,244</u>	<u>23,170,311</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.4</u>	<u>63.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.4</u>	<u>63.8</u>
22. Unit Cap Factor (MDC Net)	<u>100.7</u>	<u>79.1</u>	<u>58.2</u>
23. Unit Cap Factor (DER Net)	<u>96.1</u>	<u>75.5</u>	<u>55.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.0</u>	<u>10.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>163.4</u>	<u>3,827.8</u>

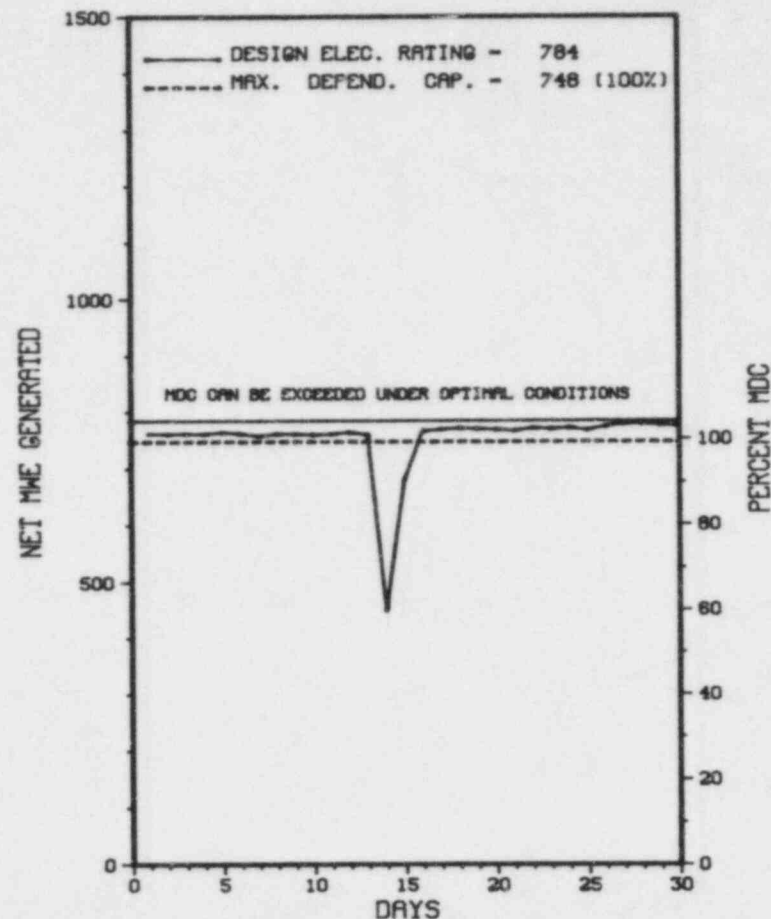
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-048	09/13/85	S	0.0	B	5		RC	CONROD	ROD SEQUENCE EXCHANGE.

* SUMMARY *

HATCH 2 OPERATED WITH 1 REDUCTION IN SEPTEMBER.

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

* HATCH 2 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 27 - AUGUST 30 (85-24): THIS INSPECTION INVOLVED 72 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, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED, ONE IN THE AREA OF REPORTING (PARAGRAPH 6) AND ONE IN THE AREA OF TECHNICAL SPECIFICATION CHANGES (PARAGRAPH 10).

INSPECTION AUGUST 6-9 (85-25): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 82 INSPECTOR-HOURS ONSITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION X, AS IMPLEMENTED BY SECTION A.33 OF THE HATCH UNIT 2 FSAR, REQUIRES THE LICENSEE TO COMPLY WITH ANSI N18.7-1976. SECTION 5.2.7 OF ANSI N18.7-1976 SPECIFIES THAT MAINTENANCE AND MODIFICATIONS WHICH MAY AFFECT FUNCTIONING OF SAFETY-RELATED SYSTEMS BE PERFORMED IN A MANNER TO ENSURE QUALITY AT LEAST EQUIVALENT TO THAT SPECIFIED IN ORIGINAL DESIGN BASES AND REQUIREMENTS. IT ALSO SPECIFIES THAT A SUITABLE LEVEL OF CONFIDENCE IN SYSTEMS ON WHICH MAINTENANCE OR MODIFICATIONS HAVE BEEN PERFORMED SHALL BE ATTAINED BY APPROPRIATE INSPECTION. CONTRARY TO THE ABOVE, THE BYPASS VALVE (2E11-F122B) FOR THE RESIDUAL HEAT REMOVAL SYSTEM CHECK VALVE (2E11-F050B) WAS FOUND NOT TO CONTAIN ALL OF ITS INTERNAL PARTS WHEN OPENED ON APRIL 10, 1985.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

THIS BYPASS VALVE HAD BEEN DISASSEMBLED DURING THE 1984 UNIT 2 OUTAGE AND NO DOCUMENTED WORK HAD BEEN PERFORMED ON 2E11-F122B SINCE THAT OUTAGE AND PRIOR TO APRIL 10, 1985. 10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE REQUIREMENTS OF APPENDIX E TO 10 CFR PART 50 AND THE PLANNING STANDARDS OF 50.47(B). 10 CFR 50.47(B)(15) REQUIRES THAT THOSE WHO MAY BE CALLED ON TO ASSIST IN AN EMERGENCY BE PROVIDED RADIOLOGICAL EMERGENCY RESPONSE TRAINING. SECTION J OF THE HATCH NUCLEAR PLANT EMERGENCY PLAN STATES IN PART THAT IT IS THE RESPONSIBILITY OF THE EMERGENCY DIRECTOR TO RECOMMEND ACTIONS TO THE STATE AGENCIES TO PROTECT THE PUBLIC. SECTION B OF THE PLAN STATES THAT THE OPERATIONS SUPERVISOR INITIALLY TAKES CHARGE OF THE EMERGENCY CONTROL MEASURES BY ASSUMING THE POSITION OF EMERGENCY DIRECTOR. SECTION O OF THE PLAN STATES THAT THE DIRECTORS AND COORDINATORS OF THE PLANT EMERGENCY ORGANIZATION ARE SCHOOLED ON THE INITIATING CONDITIONS AND THE EMERGENCY RESPONSE ACTIONS FOR VARIOUS EMERGENCY SITUATIONS. CONTRARY TO THE ABOVE, OPERATIONS SUPERVISORS INTERVIEWED DURING THE INSPECTION WERE NOT ADEQUATELY TRAINED IN THAT THEY WERE NOT CAPABLE OF DETERMINING WHAT TYPE OF PROTECTIVE ACTION RECOMMENDATIONS SHOULD BE CONSIDERED TO PROTECT HEALTH AND SAFETY.

(8502 4)

TECHNICAL SPECIFICATION 6.8.1.C, REQUIRES THAT WRITTEN PROCEDURES BE IMPLEMENTED AND MAINTAINED COVERING SURVEILLANCE AND TEST ACTIVITIES OF SAFETY-RELATED EQUIPMENT. CONTRARY TO THE ABOVE, THE FOLLOWING SAFETY-RELATED CALIBRATION PROCEDURES INCORRECTLY REFERENCED THE FILING CODES, WHICH ARE USED TO LOCATE VENDOR TECHNICAL MANUALS IN THE SITE DOCUMENT ROOM: (A) HNP-1-5251, REVISION 11, AND HNP-2-5251, REVISION 5, GENERAL ELECTRIC TYPE 547 SELF SYNCHRONIZING MANUAL/AUTOMATIC TRANSFER STATION. (B) HNP-2-5255, REVISION 2, GE 562 LIMITER CALIBRATION. (C) HNP-2-5273, REVISION 6, MODEL 195-4 MERCOLD LEVEL SWITCH. (D) HNP-1-5261, REVISION 16, AGASTAT TIMING RELAY CALIBRATION. TECHNICAL SPECIFICATION 6.8.1.E REQUIRES IN PART, THAT THE LICENSEE MAINTAINS WRITTEN PROCEDURES FOR EMERGENCY PLAN IMPLEMENTATION. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO HAVE EMERGENCY IMPLEMENTING PROCEDURE 63EP-3IP-073-0 ENTITLED, USE OF EMERGENCY COMMUNICATIONS, IN THE TECHNICAL SUPPORT CENTER'S CONTROLLED COPY OF EMERGENCY PLAN IMPLEMENTING PROCEDURES. 10 CFR 50.54(T) REQUIRES THAT NUCLEAR POWER REACTOR LICENSEES SHALL PROVIDE FOR A REVIEW OF ITS EMERGENCY PREPAREDNESS PROGRAM AT LEAST EVERY 12 MONTHS BY PERSONS WHO HAVE NO DIRECT RESPONSIBILITY FOR IMPLEMENTATION OF THE EMERGENCY PREPAREDNESS PROGRAM. THE REVIEW SHALL INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACE WITH STATE AND LOCAL GOVERNMENTS. CONTRARY TO THE ABOVE, AN INDEPENDENT AUDIT OF THE EMERGENCY PREPAREDNESS PROGRAM TO INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACE WITH STATE AND LOCAL GOVERNMENTS WAS NOT CONDUCTED DURING 1984.

(8502 5)

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: JULY 27 - AUGUST 30, 1985 +

INSPECTION REPORT NO: 50-366/85-24 +

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

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*****
*                HATCH 2                *
*****
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REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-020	07/26/85	08/21/85	ENGINEERED SAFETY FEATURE ACTUATION, THE ACTUAL ROOT CAUSE OF THE RWCU ISOLATION HAS NOT BEEN DETERMINED.
85-022	08/14/85	09/10/85	FAILURE TO COMPLY WITH T.S. REQUIREMENTS, THE "SURVEILLANCE CHECKS" PROCEDURE WAS REVISED.
85-028	08/09/85	09/06/85	SURVEILLANCE NOT PERFORMED IN A TIMELY MANNER, DUE TO PERSONNEL ERROR (T.S. AMENDMENTS WERE NOT FULLY INCORPORATED).
85-029	08/09/85	09/06/85	MISSED T.S. SETTLEMENT SURVEILLANCE ON MAIN STACK, DUE TO PROCEDURAL INADEQUACY.

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 885

8. Maximum Dependable Capacity (Net MWe): 849

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

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

11. Reasons for Restrictions, If Any:
NONE

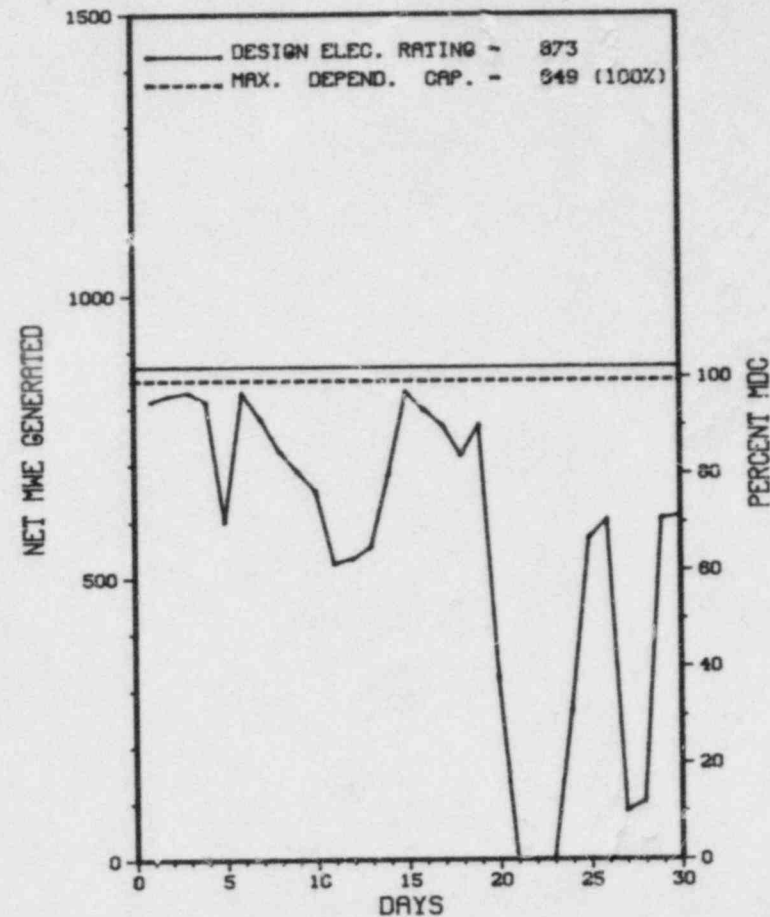
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>98,640.0</u>
13. Hours Reactor Critical	<u>623.9</u>	<u>6,386.3</u>	<u>67,052.3</u>
14. Rx Reserve Shtdwn Hrs	<u>62.1</u>	<u>90.8</u>	<u>2,435.8</u>
15. Hrs Generator On-Line	<u>594.3</u>	<u>6,284.6</u>	<u>65,034.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,417,434</u>	<u>13,359</u>	<u>169,521,614</u>
18. Gross Elec Ener (MWH)	<u>425,930</u>	<u>670</u>	<u>52,602,286</u>
19. Net Elec Ener (MWH)	<u>404,662</u>	<u>634</u>	<u>49,597,353</u>
20. Unit Service Factor	<u>82.5</u>	<u>95.9</u>	<u>65.9</u>
21. Unit Avail Factor	<u>82.5</u>	<u>95.9</u>	<u>65.9</u>
22. Unit Cap Factor (MDC Net)	<u>66.2</u>	<u>90.9</u>	<u>59.3*</u>
23. Unit Cap Factor (DER Net)	<u>64.4</u>	<u>88.9</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>17.5</u>	<u>4.1</u>	<u>9.3</u>
25. Forced Outage Hours	<u>125.7</u>	<u>266.4</u>	<u>6,435.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING & MAINTENANCE: 1/15/86 - 2 MOS.</u>			

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



SEPTEMBER 1985

* Item calculated with a Weighted Average

PAGE 2-166

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/05/85	F	0.0	A	5		HC	HTEXCH	CONDENSER TUBE LEAKS.
	09/11/85	F	0.0	A	5		HC	HTEXCH	CONDENSER TUBE LEAKS.
6	09/20/85	F	84.0	A	3	85-009	EB	TRANSF	21 MAIN TRANSFORMER.
7	09/23/85	F	8.4	G	3	85-010	CH	HTEXCH	22 STEAM GENERATOR HIGH LEVEL, OPERATOR FAILURE TO ANTICIPATE S/G SWELL.
8	09/27/85	F	22.2	D	2	85-011	ZZ	ZZZZZZ	NRC REQUIREMENT: HURRICANE ALERT.
9	09/28/85	F	11.1	G	3	85-012	IB	INSTRU	OPERATOR FAILURE TO RESET NIS POWER RANGE SYSTEM ABOVE 25%.

* SUMMARY *

INDIAN POINT 2 OPERATED WITH 4 OUTAGES AND 2 REDUCTIONS DURING SEPTEMBER.

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)

* INDIAN POINT 2 *

FACILITY DATA

Report Period SEP 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. ROSSBACK
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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 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.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			

=====

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

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

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

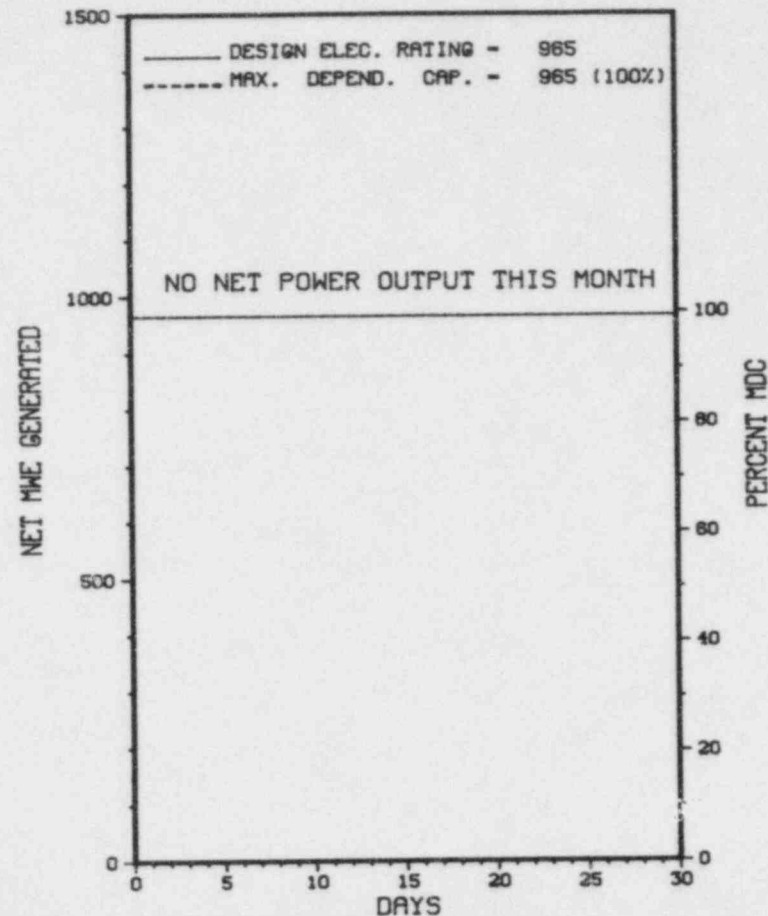
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>79,656.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,728.1</u>	<u>45,094.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,704.9</u>	<u>43,553.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>10,235,663</u>	<u>113,884,799</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,358,410</u>	<u>36,000,576</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>3,229,876</u>	<u>34,515,744</u>
20. Unit Service Factor	<u>.0</u>	<u>56.6</u>	<u>54.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>56.6</u>	<u>54.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>51.1</u>	<u>44.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.1</u>	<u>44.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>20.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>86.1</u>	<u>11,153.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 10/16/85

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 3



SEPTEMBER 1985

Report Period SEP 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	720.0	C	4		RC	FUELXX	UNIT IN A SCHEDULED CYCLE IV - V REFUELING OUTAGE.

 * SUMMARY *

 INDIAN POINT 3 REMAINS SHUTDOWN FOR REFUELING.

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)

* INDIAN POINT 3 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 1985

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

* INDIAN POINT 3 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 1650

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

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 529

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>99,000.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,079.7</u>	<u>83,830.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,037.0</u>	<u>82,377.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,178,061</u>	<u>8,115,240</u>	<u>129,182,364</u>
18. Gross Elec Ener (MWH)	<u>389,300</u>	<u>2,703,200</u>	<u>42,560,500</u>
19. Net Elec Ener (MWH)	<u>370,728</u>	<u>2,575,667</u>	<u>40,517,703</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.9</u>	<u>83.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.9</u>	<u>83.2</u>
22. Unit Cap Factor (MDC Net)	<u>102.4</u>	<u>78.2</u>	<u>79.0*</u>
23. Unit Cap Factor (DER Net)	<u>96.2</u>	<u>73.5</u>	<u>76.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>3.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>14.7</u>	<u>2,760.1</u>

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

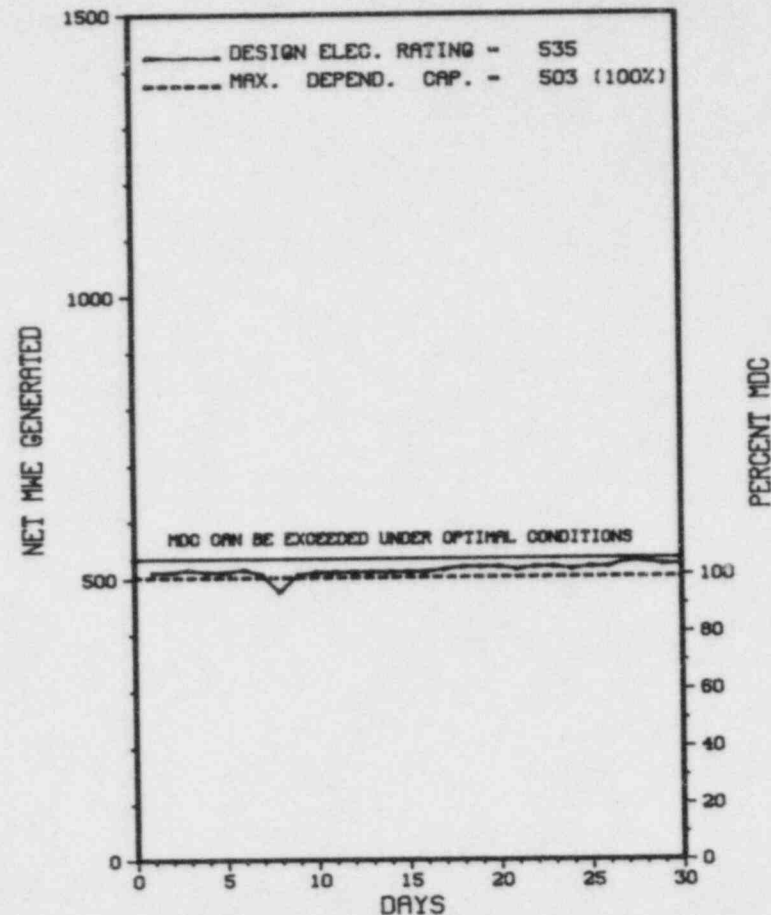
REFUELING: FEBRUARY 28, 1986 - 2 MONTHS.

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

* KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 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 SEPTEMBER.

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

* Kewaunee *

FACILITY DATA

Report Period SEP 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 26 - 29 (85014): INCLUDED A REVIEW OF THE SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; LOCKS, KEYS, AND COMBINATIONS; SECURITY PROGRAM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; DETECTION AIDS - VITAL AREAS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW AND FOLLOWUP ON VIOLATIONS AND WEAKNESSES/CONCERNS IDENTIFIED IN PREVIOUS INSPECTION REPORTS, WHICH WERE IDENTIFIED AS A RESULT OF A REGION III ANALYSIS OF PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 25 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. PREVIOUSLY IDENTIFIED CONCERNS/WEAKNESSES WERE FOUND TO HAVE BEEN SATISFACTORILY CORRECTED. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

10 CFR PART 50.54(T) STATES IN PART THAT, "THE LICENSEE SHALL PROVIDE FOR A REVIEW OF ITS EMERGENCY PREPAREDNESS PROGRAM AT LEAST EVERY 12 MONTHS... THE REVIEW SHALL INCLUDE AN EVALUATION FOR ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS... THE RESULTS OF THE REVIEW, ALONG WITH RECOMMENDATIONS FOR IMPROVEMENTS, SHALL BE DOCUMENTED..." CONTRARY TO THE ABOVE, THE LICENSEE'S ONLY REVIEW OF THEIR EMERGENCY PREPAREDNESS PROGRAM CONDUCTED IN THE LAST 12 MONTHS FAILED TO EVALUATE AND DOCUMENT THE ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS.
(8500 5)

INSPECTION STATUS - (CONTINUED)

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*****
K          KEWANEE          *
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-17	08/08/85	09/06/85	MANUAL REACTOR TRIP DUE TO RUPTURE OF STEAM VENT LINE
85-18	08/20/85	09/19/85	FIRE HOSE INSPECTION EXCEEDED TECHNICAL SPECIFICATION TIME LIMIT

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>139,514.0</u>
13. Hours Reactor Critical	<u>712.6</u>	<u>5,611.0</u>	<u>93,792.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>702.2</u>	<u>5,484.8</u>	<u>87,388.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>106,305</u>	<u>791,354</u>	<u>12,138,746</u>
18. Gross Elec Ener (MWH)	<u>32,624</u>	<u>243,402</u>	<u>3,639,013</u>
19. Net Elec Ener (MWH)	<u>30,718</u>	<u>228,311</u>	<u>3,374,150</u>
20. Unit Service Factor	<u>97.5</u>	<u>83.7</u>	<u>62.6</u>
21. Unit Avail Factor	<u>97.5</u>	<u>83.7</u>	<u>62.7</u>
22. Unit Cap Factor (MDC Net)	<u>88.9</u>	<u>72.6</u>	<u>50.4</u>
23. Unit Cap Factor (DER Net)	<u>85.3</u>	<u>69.7</u>	<u>48.4</u>
24. Unit Forced Outage Rate	<u>2.5</u>	<u>2.6</u>	<u>9.8</u>
25. Forced Outage Hours	<u>17.8</u>	<u>145.7</u>	<u>8,499.5</u>

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

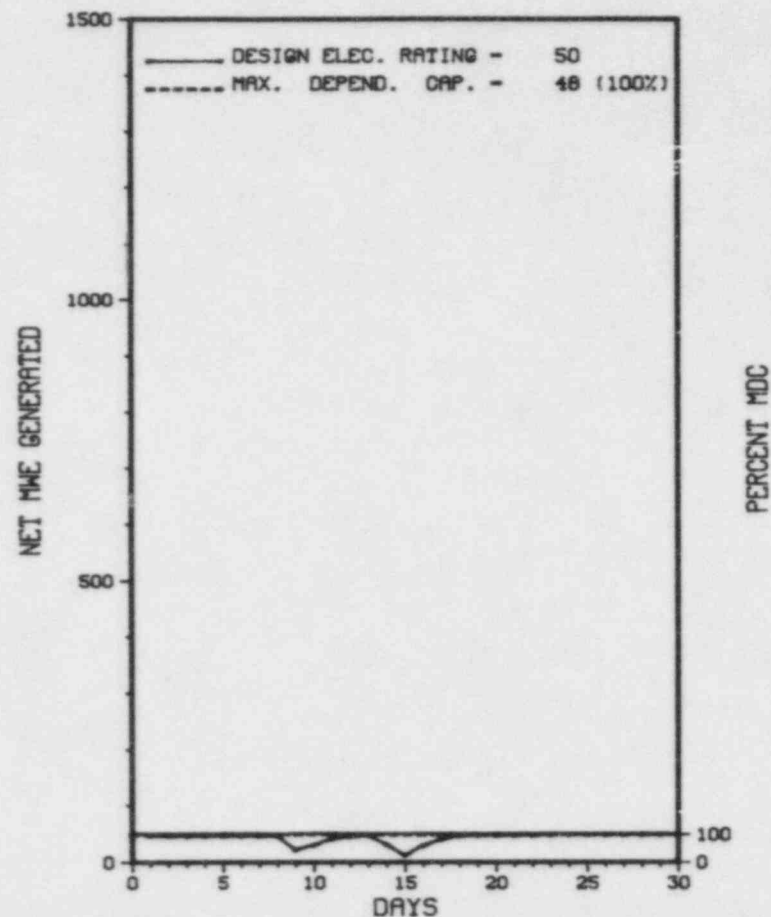
REFUELING, MARCH 2, 1986 - 5-6 WEEKS.

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

 * LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* LA CROSSE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-8	09/09/85	F	0.0	A	5		CB	INSTRU	POWER DECREASED FROM 96% TO 62% WHEN THE 1A FORCED CIRCULATION PUMP DISCHARGE VALVE CLOSED WHEN A SPURIOUS HIGH DIFFERENTIAL LOOP TEMPERATURE SIGNAL OCCURRED. POWER WAS MANUALLY REDUCED BELOW 50%. POTENTIOMETERS WERE REPLACED IN THE DIFFERENTIAL TEMPERATURE UNIT.
85-9	09/14/85	F	17.8	B	3	85-16	IF	INSTRU	REACTOR AUTOMATICALLY SHUTDOWN WHEN A RECORDER'S POWER SUPPLY WAS SHORTED OUT DURING MAINTENANCE. A FUSE BLEW, WHICH DE-ENERGIZED SOME INSTRUMENTATION, INCLUDING THE FEEDWATER FLOW TRANSMITTER.

* SUMMARY *

LA CROSSE OPERATED WITH 1 REDUCTION AND 1 OUTAGE IN SEPTEMBER.

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

* LA CROSSE *

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 8-AUGUST 30 (85013): SPECIAL SAFETY INSPECTION CONDUCTED TO VERIFY THE ADEQUACY OF THE FACILITY'S POST FIRE SAFE SHUTDOWN METHOD, A REVIEW OF LICENSE CONDITION 2.C(4) ON FIRE PROTECTION MODIFICATIONS, AND OTHER FIRE PROTECTION FEATURES. THE INSPECTION INVOLVED 144 INSPECTOR-HOURS BY THREE NRC INSPECTORS AND TWO NRC CONSULTANTS INCLUDING 6 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; ONE VIOLATION (FAILURE TO HYDROSTATICALLY TEST FIRE EXTINGUISHERS) WAS IDENTIFIED IN THE REMAINING AREA.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period SEP 1985

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

* LA CROSSE *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: OCTOBER 15 - DECEMBER 16, 1985

INSPECTION REPORT NO: 85018

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>15,335.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,333.5</u>	<u>11,613.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>476.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,165.7</u>	<u>11,220.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>1,971,144</u>	<u>14,401,441</u>	<u>37,360,748</u>
18. Gross Elec Ener (MWH)	<u>638,896</u>	<u>4,710,775</u>	<u>10,181,418</u>
19. Net Elec Ener (MWH)	<u>613,489</u>	<u>4,527,276</u>	<u>9,733,485</u>
20. Unit Service Factor	<u>100.0</u>	<u>78.9</u>	<u>73.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>78.9</u>	<u>73.2</u>
22. Unit Cap Factor (MDC Net)	<u>82.2</u>	<u>66.7</u>	<u>61.3</u>
23. Unit Cap Factor (DER Net)	<u>79.0</u>	<u>64.1</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>21.1</u>	<u>18.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,385.3</u>	<u>2,458.4</u>

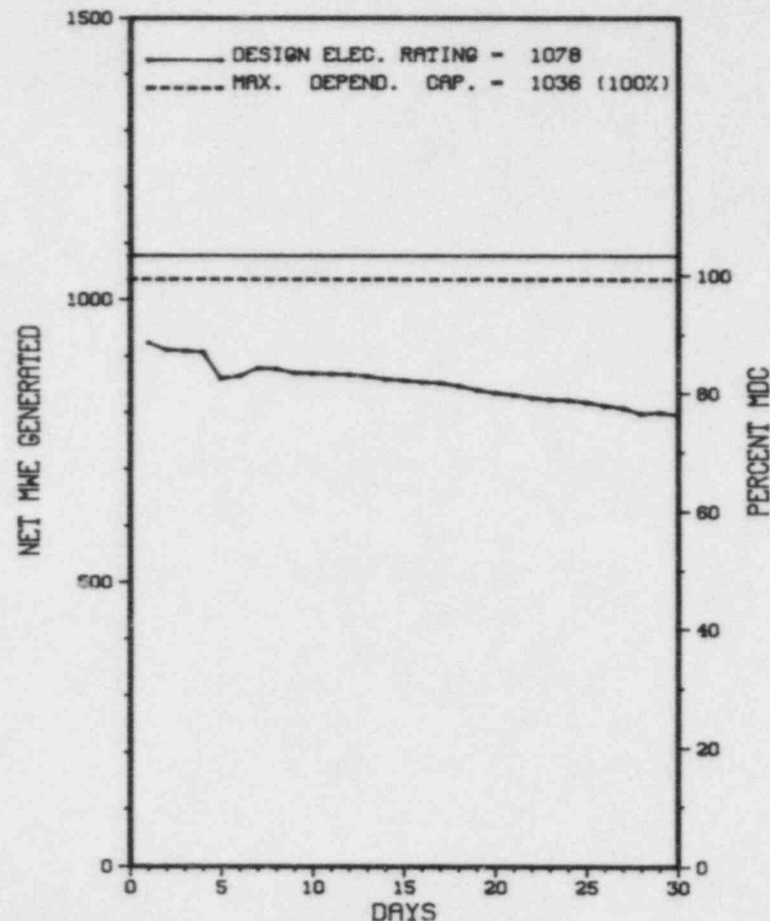
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING & MAINTENANCE: 10/16/85 - 6 MOS.

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

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 1 *

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

* SUMMARY *

LASALLE 1 OPERATED ROUTINELY DURING SEPTEMBER.

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

* LASALLE 1 *

FACILITY DATA

Report Period SEP 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.....BWR
DATE INITIAL CRITICALITY...JUNE 21, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 4, 1982
DATE COMMERCIAL OPERATE...JANUARY 1, 1984
CONDENSER COOLING METHOD...POND
CONDENSER COOLING WATER...RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 11 THROUGH AUGUST 9 (85022): INCLUDED A REVIEW OF LOCKS, KEYS, AND COMBINATIONS; MANAGEMENT EFFECTIVENESS; LIGHTING; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; SECURITY FORCE TRAINING AND QUALIFICATION PLAN; SAFEGUARDS CONTINGENCY PLAN; TESTING AND MAINTENANCE; AND LICENSEE'S ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS INDICATED BELOW: (A) TESTING AND MAINTENANCE: THE ALARM SYSTEM FOR SOME DUAL PURPOSE DOORS WAS NOT TESTED AT THE REQUIRED INTERVAL. (B) COMPENSATORY MEASURES: ON OCCASION, REQUIRED COMPENSATORY MEASURES FOR AN ALARM SYSTEM WERE NOT IMPLEMENTED. ADDITIONALLY, SOME ADMINISTRATIVE CHANGES TO THE SECURITY PLAN WERE REQUIRED; RELIABILITY OF A SEGMENT OF AN ALARM SYSTEM NEEDS IMPROVEMENT; AND TRAINING CERTIFICATION ON A SPECIFIC TASK NEEDS TO BE COMPLETED.

INSPECTION ON JUNE 10 THROUGH JULY 24 AND ENFORCEMENT CONFERENCE ON JUNE 24 (85023): SPECIAL UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF ACTIVITIES SURROUNDING THE INOPERABILITY OF ALL THREE DIVISIONS OF EMERGENCY CORE COOLING ON UNIT 2 AND IMPROPERLY PIPED RHR SHUTDOWN COOLING ISOLATION SWITCHES ON UNIT 1. THE INSPECTION INVOLVED A TOTAL OF 41 INSPECTOR-HOURS ONSITE BY THREE INSPECTORS INCLUDING 11 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. THE ENFORCEMENT CONFERENCE INVOLVED A TOTAL OF 70 HOURS BY TEN NRC PERSONNEL. NINE VIOLATIONS WERE IDENTIFIED (FIVE - LIMITING CONDITION FOR OPERATIONS; TWO - FAILURE TO HAVE AN ADEQUATE OPERABILITY TEST; ONE - FAILURE TO INCORPORATE DESIGN DOCUMENT CHANGES INTO THE SITE DRAWINGS; AND ONE - FAILURE TO HAVE INSPECTION ACTIVITIES VERIFY CONFORMANCE OF AS-BUILT DRAWINGS).

INSPECTION ON AUGUST 5-9 AND 12-13 (85025): ROUTINE, UNANNOUNCED INSPECTION OF SOLID RADIOACTIVE WASTE SYSTEM INCLUDING HANDLING,
PAGE 2-184

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* LASAILE 1 *

INSPECTION SUMMARY

PACKAGING AND TREATMENT OF WASTE; TRANSPORTATION ACTIVITIES; PREPARATIONS FOR UNIT 1 REFUELING OUTAGE; AN UNPLANNED RELEASE OF OFFGAS NOBLE GAS ACTIVITY INTO THE OFFGAS FILTER BUILDING; AND THE CIRCUMSTANCES SURROUNDING BARRELS CONTAINING RADIOACTIVE MATERIAL FOUND IN THE LICENSEE'S ONSITE DUMP. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS WERE IDENTIFIED IN FOUR OF THE SIX AREAS INSPECTED. TWO VIOLATIONS WERE IDENTIFIED IN TWO AREAS (FAILURE TO CONTROL RADIOACTIVE MATERIAL ON AN OFFSITE LOCATION, AND FAILURE TO MAKE A SURVEY TO DETERMINE COMPLIANCE WITH 10 CFR 20.103).

INSPECTION ON AUGUST 19 - AUGUST 22 (85027): 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. LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS WERE ALSO REVIEWED. THE INSPECTION INVOLVED A TOTAL OF 32 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 PERFORM ACTIVITIES AFFECTING SAFETY IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

THE LICENSEE IS REORGANIZING THE STATION MANNING CHART. NEW TITLES AND RESPONSIBILITIES ARE BEING ESTABLISHED. A TECH. SPEC. CHANGES IS BEING PREPARED TO IDENTIFY THIS NEW STATION MANNING AND RESPONSIBILITIES.

PLANT STATUS:

OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 21-22, 1985

INSPECTION REPORT NO: 85034

Report Period SEP 1985

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

* LASALLE 1 *

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NUMBER    DATE OF    DATE OF    SUBJECT
EVENT     REPORT
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85-56     08/03/85   08/27/85   SPURIOUS TRIP OF "B" CONTROL ROOM VENT RADIATION MONITOR FOR "A" TRAIN
85-58     08/17/85   08/30/85   REACTOR SCRAM
85-59     08/07/85   09/05/85   SPURIOUS CHLORINE DETECTOR ACTUATION
85-60     08/13/85   09/09/85   AMMONIA AND CHLORINE DETECTOR TRIPS
85-61     08/14/85   09/10/85   FAILURE TO RUN 1A DIESEL GENERATOR WITHIN 1 HOUR TIMECLOCK
85-62     08/23/85   09/20/85   CHLORINE TRIP OF "B" VC/VE TRAIN
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1. Docket: 50-374 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>8,327.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,066.3</u>	<u>4,678.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>64.1</u>	<u>189.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,016.3</u>	<u>4,553.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,161,656</u>	<u>8,951,486</u>	<u>13,464,078</u>
18. Gross Elec Ener (MWH)	<u>712,742</u>	<u>2,949,280</u>	<u>4,434,275</u>
19. Net Elec Ener (MWH)	<u>636,191</u>	<u>2,796,091</u>	<u>4,188,208</u>
20. Unit Service Factor	<u>100.0</u>	<u>46.0</u>	<u>54.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>46.0</u>	<u>54.7</u>
22. Unit Cap Factor (MDC Net)	<u>92.0</u>	<u>41.2</u>	<u>48.5</u>
23. Unit Cap Factor (DER Net)	<u>88.4</u>	<u>39.6</u>	<u>46.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.5</u>	<u>6.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>76.7</u>	<u>315.3</u>

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

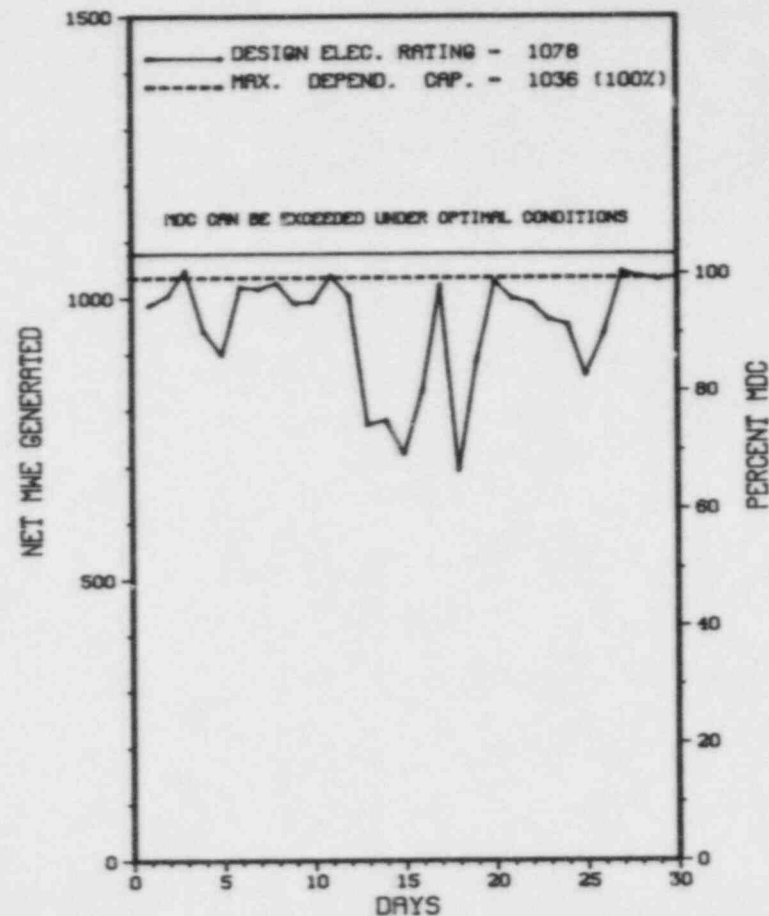
MAINTENANCE & MODIFICATIONS: 11/30/85 - 2 WEEKS

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

* LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
8	09/12/85	F	0.0	A	5			LOSS OF "A" TDRFP.
9	09/13/85	S	0.0	F	5			ALLOW PERSONNEL ENTRY INTO STEAM TUNNEL.
10	09/18/85	S	0.0	F	5			POWER REDUCTION ORDERED BY LOAD DISPATCHER.

***** LASALLE 2 OPERATED WITH 3 REDUCTIONS DURING SEPTEMBER.

* SUMMARY *

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

* LASALLE 2 *

FACILITY DATA

Report Period SEP 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.....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 & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. JORDAN
LICENSING PROJ MANAGER.....A. BOURNIA
DOCKET NUMBER.....50-374
LICENSE & DATE ISSUANCE...NPF-18, MARCH 23, 1984
PUBLIC DOCUMENT ROOM.....ILLINOIS VALLEY COMMUNITY COLLEGE
RURAL ROUTE NO. 1
OGLESBY, ILLINOIS 16348

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 11 THROUGH AUGUST 9 (85024): INCLUDED A REVIEW OF LOCKS, KEYS, AND COMBINATIONS; MANAGEMENT EFFECTIVENESS; LIGHTING; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; SECURITY FORCE TRAINING AND QUALIFICATION PLAN; SAFEGUARDS CONTINGENCY PLAN; TESTING AND MAINTENANCE; AND LICENSEE'S ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS INDICATED BELOW: (A) TESTING AND MAINTENANCE: THE ALARM SYSTEM FOR SOME DUAL PURPOSE DOORS WAS NOT TESTED AT THE REQUIRED INTERVAL. (B) COMPENSATORY MEASURES: ON OCCASION, REQUIRED COMPENSATORY MEASURES FOR AN ALARM SYSTEM WERE NOT IMPLEMENTED. ADDITIONALLY, SOME ADMINISTRATIVE CHANGES TO THE SECURITY PLAN WERE REQUIRED; RELIABILITY OF A SEGMENT OF AN ALARM SYSTEM NEEDS IMPROVEMENT; AND TRAINING CERTIFICATION ON A SPECIFIC TASK NEEDS TO BE COMPLETED.

INSPECTION ON JUNE 10 THROUGH JULY 24 AND ENFORCEMENT CONFERENCE ON JUNE 24 (85018): SPECIAL UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF ACTIVITIES SURROUNDING THE INOPERABILITY OF ALL THREE DIVISIONS OF EMERGENCY CORE COOLING ON UNIT 2 AND IMPROPERLY PIPED RHR SHUTDOWN COOLING ISOLATION SWITCHES ON UNIT 1. THE INSPECTION INVOLVED A TOTAL OF 41 INSPECTOR-HOURS ONSITE BY THREE INSPECTORS INCLUDING 11 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. THE ENFORCEMENT CONFERENCE INVOLVED A TOTAL OF 70 HOURS BY TEN NRC PERSONNEL. NINE VIOLATIONS WERE IDENTIFIED (FIVE - LIMITING CONDITION FOR OPERATIONS; TWO - FAILURE TO HAVE AN ADEQUATE OPERABILITY TEST; ONE - FAILURE TO INCORPORATE DESIGN DOCUMENT CHANGES INTO THE SITE DRAWINGS; AND ONE - FAILURE TO HAVE INSPECTION ACTIVITIES VERIFY CONFORMANCE OF AS-BUILT DRAWINGS).

INSPECTION ON AUGUST 5-9 AND 12-13 (85026): ROUTINE, UNANNOUNCED INSPECTION OF SOLID RADIOACTIVE WASTE SYSTEM INCLUDING HANDLING,

Report Period SEP 1985

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

* LASALLE 2 *

INSPECTION SUMMARY

PACKAGING AND TREATMENT OF WASTE; TRANSPORTATION ACTIVITIES; PREPARATIONS FOR UNIT 1 REFUELING OUTAGE; AN UNPLANNED RELEASE OF OFFGAS NOBLE GAS ACTIVITY INTO THE OFFGAS FILTER BUILDING; AND THE CIRCUMSTANCES SURROUNDING BARRELS CONTAINING RADIOACTIVE MATERIAL FOUND IN THE LICENSEE'S ONSITE DUMP. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS WERE IDENTIFIED IN FOUR OF THE SIX AREAS INSPECTED. TWO VIOLATIONS WERE IDENTIFIED IN TWO AREAS (FAILURE TO CONTROL RADIOACTIVE MATERIAL ON AN OFFSITE LOCATION, AND FAILURE TO MAKE A SURVEY TO DETERMINE COMPLIANCE WITH 10 CFR 20.103).

INSPECTION ON AUGUST 19 - AUGUST 22 (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. LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS WERE ALSO REVIEWED. THE INSPECTION INVOLVED A TOTAL OF 32 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 PERFORM ACTIVITIES AFFECTING SAFETY IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

THE LICENSEE IS REORGANIZING THE STATION MANNING CHART. NEW TITLES AND RESPONSIBILITIES ARE BEING ESTABLISHED. A TECH SPEC CHANGES IS BEING PREPARED TO IDENTIFY THIS NEW STATION MANNING AND RESPONSIBILITIES.

PLANT STATUS:

OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 21-22, 1985

INSPECTION REPORT NO: 85035

Report Period SEP 1985

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

* LASALLE 2 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
-----
85-38     08/08/85    09/03/85    FAILURE TO PERFORM LIS-RI-212 ON INSTRUMENT 2B21-N101B
85-39     08/20/85    09/16/85    ELECTRICAL FAULT ON ECCS DIVISION III MCC 243-1
85-40     08/23/85    09/20/85    SBLC CONCENTRATION HIGH
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1. Docket: 50-352 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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. Reason= for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>4,088.0</u>	<u>4,088.0</u>
13. Hours Reactor Critical	<u>654.9</u>	<u>1,584.3</u>	<u>1,584.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>607.8</u>	<u>927.3</u>	<u>927.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>617,602</u>	<u>927,509</u>	<u>927,509</u>
18. Gross Elec Ener (MWH)	<u>128,798</u>	<u>179,178</u>	<u>179,178</u>
19. Net Elec Ener (MWH)	<u>113,579</u>	<u>124,138</u>	<u>124,138</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>39.2</u>	<u>87.5</u>	<u>87.5</u>

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

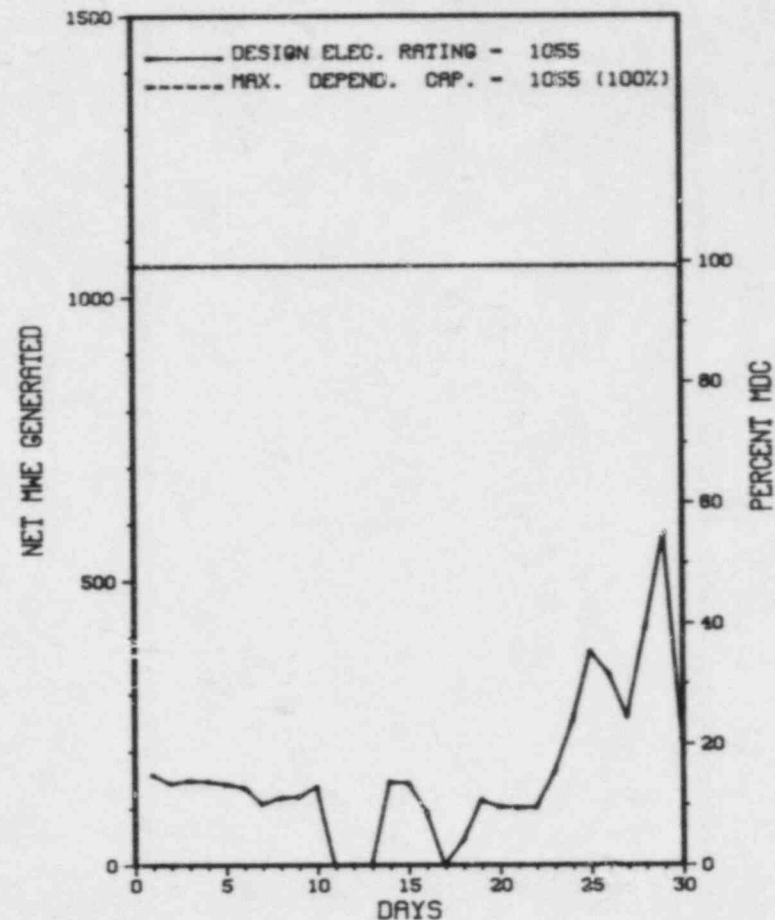
NONE

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

 * LIMERICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LIMERICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	09/11/85	F	39.2	A	3	85-073	HH	PUMPXX	LOW REACTOR LEVEL WAS A RESULT OF LOW SUCTION PRESSURE TRIP OF 'A' AND 'B' REACTOR FEED PUMPS DUE TO CONDENSATE PUMP TRIP ON HIGH SUCTION STRAINER DELTA P UNIT. REMOVED START-UP TRIP FUNCTION FROM SUCTION STRAINER DELTA P UNIT.
7	09/12/85	S	31.0	B	2		ZZ	ZZZZZZ	REMOTE SHUTDOWN PANEL DEMONSTRATION. STP-28.2.
8	09/16/85	S	42.0	B	3		ZZ	ZZZZZZ	GENERATOR TRIP FOR LOSS OF POWER TEST WITH RESULTING LOW REACTOR WATER LEVEL SCRAM. STP-31.1.

 * SUMMARY *

 LIMERICK 1 OPERATED WITH 3 OUTAGES IN SEPTEMBER.

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	Licensae Event Report
	& License Examination		9-Other	(LER) File (NUREG-0161)

* LIMERICK 1 *

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

Report Period SEP 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, 1984
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.

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NO INPUT PROVIDED.

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NO INPUT PROVIDED.

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

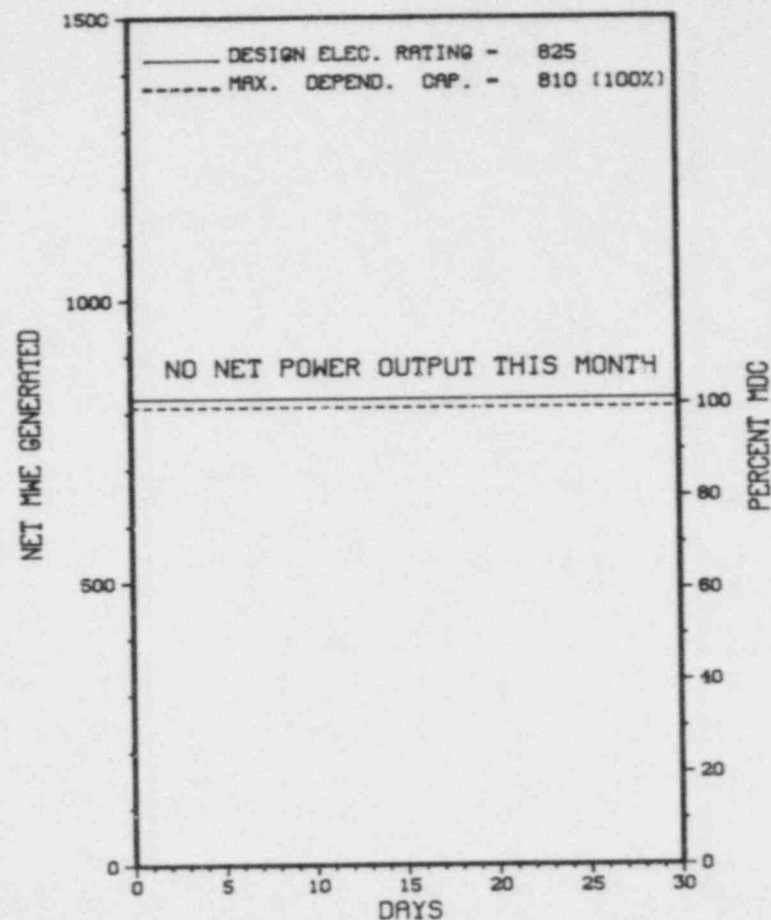
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>113,027.6</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,408.0</u>	<u>90,708.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,379.4</u>	<u>87,993.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>13,045,792</u>	<u>198,354,709</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,330,630</u>	<u>65,003,910</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>4,174,921</u>	<u>62,010,790</u>
20. Unit Service Factor	<u>.0</u>	<u>82.1</u>	<u>77.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>82.1</u>	<u>77.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>78.7</u>	<u>69.6*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>77.2</u>	<u>67.7*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>6.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>43.6</u>	<u>5,667.6</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 10/16/85

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



SEPTEMBER 1985

* Item calculated with a Weighted Average

PAGE 2-198

Report Period SEP 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	720.0	C	4		RC	FUELXX	SCHEDULED UNIT SHUTDOWN FOR CORE 8/9 REFUELING CONTINUES.

 * SUMMARY *

MAINE YANKEE REMAINS SHUTDOWN FOR REFUELING.

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)

* MAINE YANKEE *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 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: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1180

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>33,599.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,878.6</u>	<u>23,497.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,793.3</u>	<u>22,756.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,329,794</u>	<u>14,062,508</u>	<u>60,865,646</u>
18. Gross Elec Ener (MWH)	<u>803,522</u>	<u>4,813,424</u>	<u>21,042,290</u>
19. Net Elec Ener (MWH)	<u>773,000</u>	<u>4,599,722</u>	<u>19,974,977</u>
20. Unit Service Factor	<u>100.0</u>	<u>73.2</u>	<u>67.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>73.2</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>91.0</u>	<u>59.5</u>	<u>50.4</u>
23. Unit Cap Factor (DER Net)	<u>91.0</u>	<u>59.5</u>	<u>50.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.7</u>	<u>14.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>397.9</u>	<u>3,858.3</u>

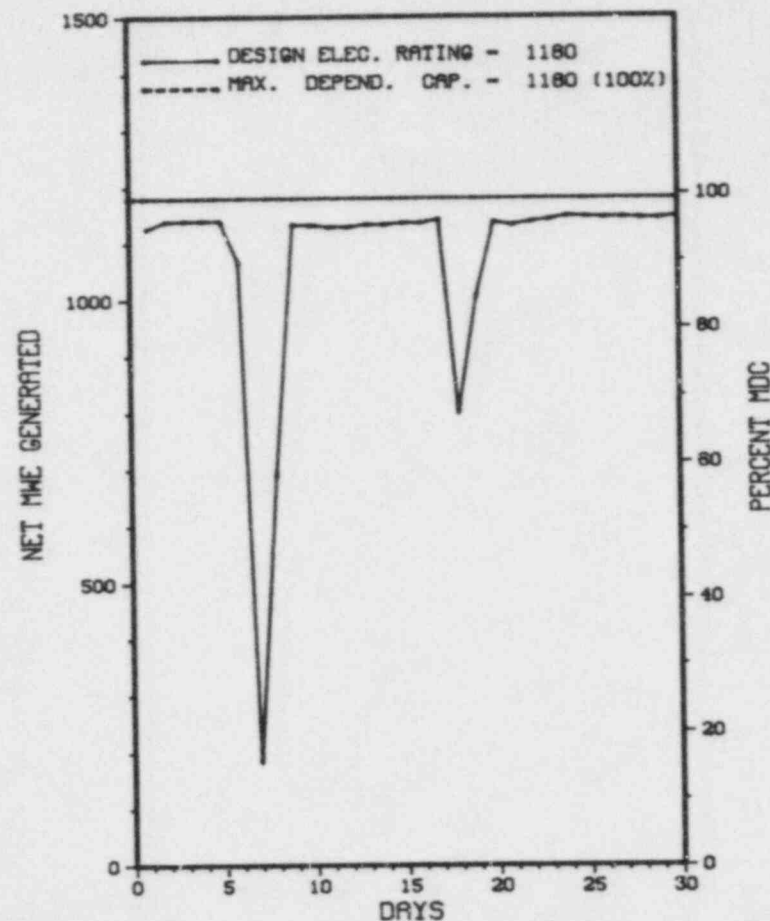
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
29-P	09/01/85	S	0.0	B	5		CC	VALVEX	TURBINE CONTROL & STOP VALVE MOVEMENT PT'S.
30-P	09/06/85	F	0.0	A	5		CB	INSTRU	REPAIR REACTOR COOLANT PUMP OIL LEVEL SWITCH.
31-P	09/07/85	F	0.0	F	5		XX	'XXXX	HOLD FOR SECONDARY CHEMISTRY.
32-P	09/18/85	F	0.0	A	5		HB	VALVEX	MOISTURE SEPARATOR REHEATER RELIEF VALVE LIFTED DUE TO FAULTY SOLENOID.
33-P	09/18/85	F	0.0	B	5		IB	INSTRU	ADJUST NUCLEAR INSTRUMENTATION.
34-P	09/19/85	F	0.0	B	5		IB	INSTRU	ADJUST NUCLEAR INSTRUMENTATION.
35-P	09/19/85	F	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.

***** MCGUIRE 1 OPERATED WITH 7 REDUCTIONS, LISTED IN DETAIL 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)

* MCGUIRE 1 *

FACILITY DATA

Report Period SEP 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.....50-369
LICENSE & DATE ISSUANCE...NPF-9, JULY 8, 1981
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 12-16 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 HOURS INSPECTING: MAINTENANCE, KEYS, POWER SUPPLY, ACCESS CONTROLS, DETECTION AIDS (VITAL AREAS), TRAINING AND CONTINGENCY PLANS. THERE WERE NO VIOLATIONS DISCOVERED AS A RESULT OF THIS INSPECTION.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50.59, THE WRITTEN SAFETY EVALUATION PERFORMED FOR OPERATION OF SINGLE CELL BATTERY CHARGERS WAS DEFICIENT IN THAT IT DID NOT INCLUDE THE BASES FOR SEISMIC CONSIDERATIONS, MAINTAINING VOLTAGE AT HIGHER POTENTIAL THAN RECOMMENDED BY THE VENDOR, OR MAINTAINING INDEPENDENCE OF CLASS IE EQUIPMENT. CONTRARY TO THE TS 6.8.1, PROCEDURES RELATED TO BATTERY SURVEILLANCE AND MAINTENANCE WAS INADEQUATE IN THAT: (A) INSTRUCTIONS/GUIDANCE RELEVANT TO MONITORING AND DURATION OF SINGLE CELL CHARGING WAS PROVIDED; (B) INADEQUATE GUIDANCE ALLOWED THE INCLUSION OF AN UNATTACHED CELL IN BATTERY EVCA SIX CELL AVERAGE TEMPERATURE CALCULATION; (C) CORRECTIVE ACTION WAS NOT TAKEN WHEN THE TEMPERATURE VARIANCE OF THE SIX CELLS EXCEEDED THE ACCEPTANCE CRITERIA AND AN EQUALIZING CHARGE WAS NOT PERFORMED AS SPECIFIED AFTER WATER ADDITION; (D) POST MODIFICATION TESTING OF A NEWLY CONFIGURED BATTERY WAS NOT SPECIFIED; AND (E) BATTERIES WERE MAINTAINED SUCH THAT END CELLS DID NOT HAVE THE SPECIFIED 1/8-INCH CLEARANCE BETWEEN THE BATTERY RODS END PLATE. CONTRARY TO TS 3.8.2.1 AND TS 4.8.2.1: (A) BATTERY EVCA WAS TECHNICALLY INOPERABLE FROM MAY

INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X               MCGUIRE 1               X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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29, 1982 UNTIL FEBRUARY 7, 1985 BECAUSE THE ACTUAL BATTERY FLOAT VOLTAGE WAS NOT MONITORED FOR CELLS 29 AND 45; AND (B) ON FEBRUARY 7, 1985, ALL FOUR VITAL DC SOURCES WERE FOUND TO BE TECHNICALLY INOPERABLE BECAUSE SURVEILLANCE TESTING PERFORMED FAILED TO DEMONSTRATE SYSTEM OPERABILITY IN THAT THE MARCH AND APRIL 1984 SERVICE DISCHARGE TESTS FOR BATTERIES EVCA, EVCB, EVCC AND EVCD WERE NOT PERFORMED AT THE CURRENT AND TIME SPECIFIED BY TS 4.8.2.1.2.D.
(8501 4)

CONTRARY TO TS 6.8.1.A: (A) ON JULY 12, 1985, DURING THE PERFORMANCE OF A MANUAL REACTOR TRIP SURVEILLANCE TEST, THE APPLICABLE PROCEDURE, PT-2-A-4600-56, MANUAL REACTOR TRIP FUNCTIONAL TEST, WAS NOT FOLLOWED IN THAT THE FEEDWATER ISOLATION RESET SWITCHES WERE NOT DEPRESSED WHILE TRIPPING REACTOR TRIP BREAKER AS REQUIRED. THIS RESULTED IN AN INADVERTENT FEEDWATER ISOLATION. (B) ON JULY 12, 1985, DURING THE PERFORMANCE OF TEST PT-0-A-4601-08A, SOLID STATE PROTECTION SYSTEM TRAIN A, THE PROCEDURE WAS INADEQUATE IN DETAIL IN THAT IT DID NOT SPECIFY THE DEACTIVATION OF THE P-4 PERMISSIVE PRIOR TO CLOSING THE REACTOR TRIP BREAKER. THIS RESULTED IN AN INADVERTENT FEEDWATER ISOLATION. (C) ON MAY 6, 1985, A SHIFT SUPERVISOR ERRONEOUSLY SIGNED STEP 6.5 ON ENCLOSURE 13.1 OF UNIT 1 PROCEDURE MP-1-A-7150-41, CONTROL ROD DRIVE SHAFT LATCHING AND UNLATCHING, WHICH STATED THAT APPLICABLE SURVEILLANCE REQUIREMENTS OF TS 3.9.2 HAS BEEN MET. THE SURVEILLANCE HAD NOT BEEN PERFORMED. THIS IN TURN LED TO A MODE CHANGE WITHOUT COMPLETING PREREQUISITES REQUIRES BY TS 4.0.4. CONTRARY TO THE TS 4.9.2: (A) ON MAY 1, 1985, UNIT 1 ENTERED MODE 6 WITHOUT PERFORMING AN ANALOG CHANNEL OPERATION TEST ON THE SOURCE RANGE MONITORS WITHIN THE PREVIOUS SEVEN DAYS. (B) ON MAY 6, 1985, UNIT 1 CORE ALTERATIONS WERE BEGUN WITHOUT PERFORMING AN ANALOG CHANNEL OPERATIONAL TEST ON THE SOURCE RANGE MONITORS WITHIN THE PREVIOUS EIGHT HOURS.

(8502 4)

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 12-16, 1985 +

INSPECTION REPORT NO: 50-369/85-28 +

Report Period SEP 1985

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

* MCGUIRE 1 *

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=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
-----
85-024      08/13/85    09/09/85    STANDBY BATTERY CHARGER EVCS PLACED IN SERVICE WITHOUT OPERABILITY TEST, ATTRIBUTED TO
            MANAGMENT/QA DEFICIENCY.
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1. Docket: 50-370 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1180

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

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

11. Reasons for Restrictions, If Any: _____

NONE

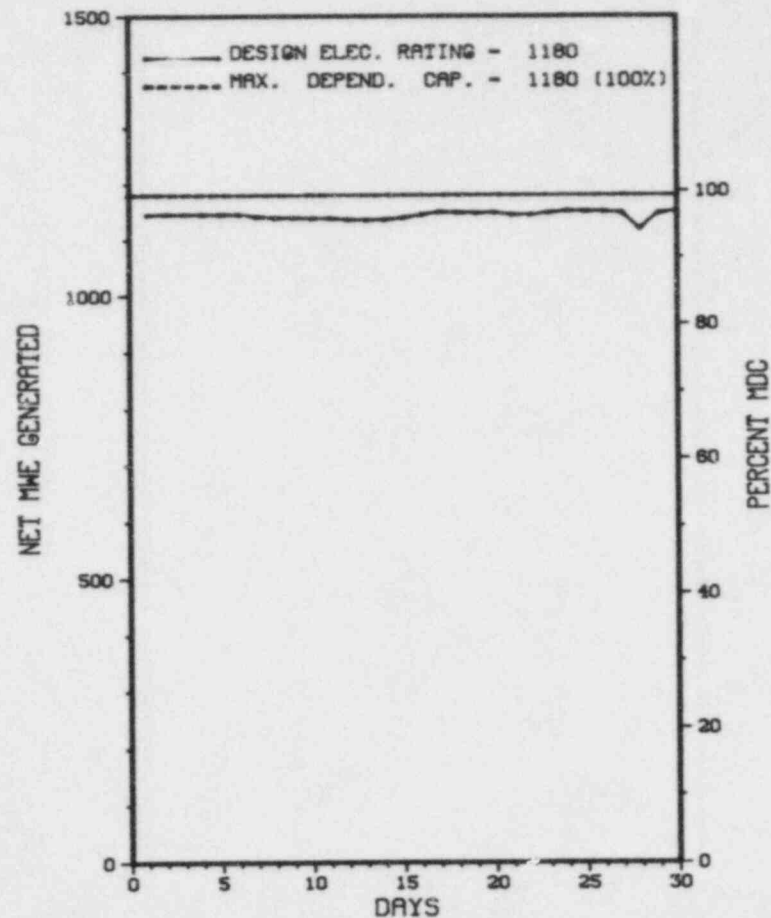
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>13,895.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,648.9</u>	<u>9,787.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,350.2</u>	<u>9,441.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,451,943</u>	<u>10,742,738</u>	<u>30,114,062</u>
18. Gross Elec Ener (MWH)	<u>854,117</u>	<u>3,736,242</u>	<u>10,573,965</u>
19. Net Elec Ener (MWH)	<u>823,869</u>	<u>3,554,302</u>	<u>10,112,102</u>
20. Unit Service Factor	<u>100.0</u>	<u>51.1</u>	<u>67.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>51.1</u>	<u>67.9</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>46.0</u>	<u>61.7</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>46.0</u>	<u>61.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>21.5</u>	<u>18.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>916.7</u>	<u>2,082.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
26-P	09/28/85	F	0.0	A	5		SH	XXXXXX	HYDROGEN MITIGATION SYSTEM INOPERABLE.

 * SUMMARY *

 MCGUIRE 2 OPERATED WITH 1 REDUCTION DURING SEPTEMBER.

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

* MCGUIRE 2 *

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 12-16 (85-27): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 HOURS INSPECTING: MAINTENANCE, KEYS, POWER SUPPLY, ACCESS CONTROLS, DETECTION AIDS (VITAL AREAS), TRAINING AND CONTINGENCY PLANS. THERE WERE NO VIOLATIONS DISCOVERED AS A RESULT OF THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

INSPECTION STATUS - (CONTINUED)

PAGE 2-211

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: GEORGE HARRAN (203) 447-1791 X4194

4. Licensed Thermal Power (Mwt): 2011

5. Nameplate Rating (Gross MWe): 735 X 0.9 = 662

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>130,079.0</u>
13. Hours Reactor Critical	<u>661.3</u>	<u>6,483.1</u>	<u>100,237.8</u>
14. Rx Reserve Shtdwn Hrs	<u>58.7</u>	<u>58.7</u>	<u>2,834.5</u>
15. Hrs Generator On-Line	<u>652</u>	<u>6,472.2</u>	<u>97,408.7</u>
16. Unit Reserve Shtdwn Hrs	<u>67.2</u>	<u>67.2</u>	<u>93.7</u>
17. Gross Therm Ener (MWH)	<u>1,279,771</u>	<u>12,764,459</u>	<u>179,172,728</u>
18. Gross Elec Ener (MWH)	<u>427,500</u>	<u>4,323,700</u>	<u>60,220,396</u>
19. Net Elec Ener (MWH)	<u>407,863</u>	<u>4,133,754</u>	<u>57,437,914</u>
20. Unit Service Factor	<u>90.7</u>	<u>98.8</u>	<u>74.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.8</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>86.6</u>	<u>96.5</u>	<u>67.5</u>
23. Unit Cap Factor (DER Net)	<u>85.8</u>	<u>95.6</u>	<u>66.9</u>
24. Unit Forced Outage Rate	<u>9.3</u>	<u>1.2</u>	<u>12.4</u>
25. Forced Outage Hours	<u>67.2</u>	<u>78.8</u>	<u>5,794.0</u>

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

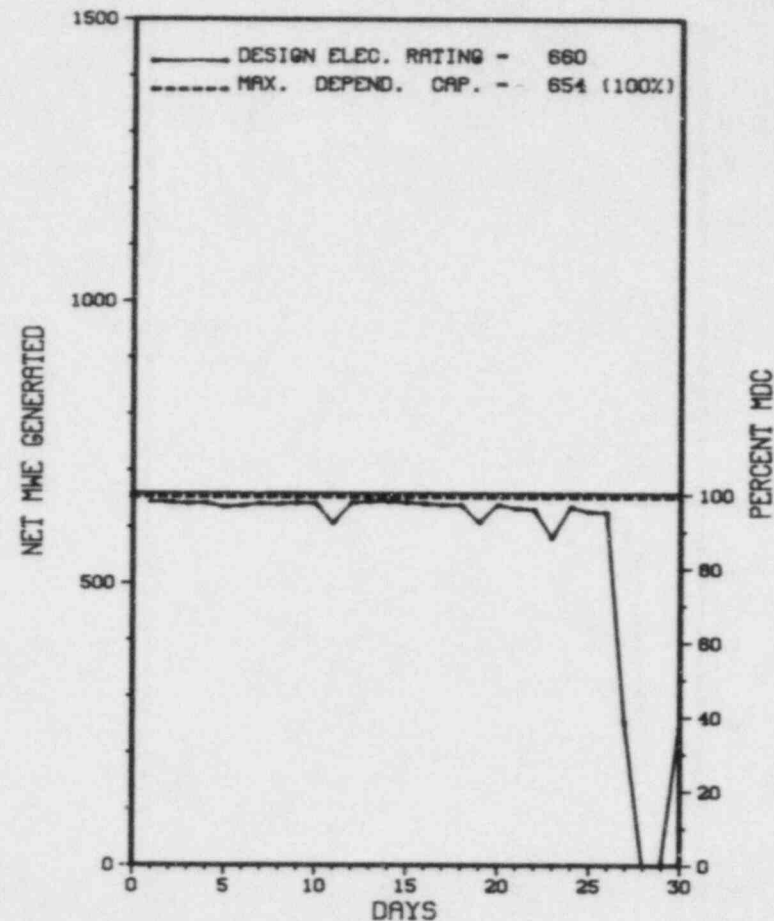
REFUELING, OCTOBER 1985, 5 WEEK DURATION.

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

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	09/27/85	F	67.2	H	3				WHILE MANUALLY SHUTTING THE REACTOR DOWN, IN PREPARATION FOR "HURRICANE GLORIA" AN AUTOMATIC SCRAM OCCURRED AT LESS THAN 15% POWER WHEN SWITCHING THE MODE SWITCH FROM RUN TO STARTUP.

 * SUMMARY *

 MILLSTONE 1 OPERATED WITH 1 OUTAGE DURING SEPTEMBER.

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

* MILLSTONE 1 *

FACILITY DATA

Report Period SEP 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):

INSPECTION STATUS - (CONTINUED)

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*****
*          MILLSTONE 1          *
*****

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NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>6,551.0</u>	<u>85,607.0</u>
13. Hours Reactor Critical	<u>637.1</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>635.1</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>1,710,661</u>	<u>7,817,030</u>	<u>145,506,194</u>
18. Gross Elec Ener (MWH)	<u>559,300</u>	<u>2,546,300</u>	<u>47,218,973</u>
19. Net Elec Ener (MWH)	<u>538,330</u>	<u>2,430,587</u>	<u>45,255,672</u>
20. Unit Service Factor	<u>88.2</u>	<u>46.3</u>	<u>67.1</u>
21. Unit Avail Factor	<u>88.2</u>	<u>46.3</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>87.2</u>	<u>44.4</u>	<u>63.2*</u>
23. Unit Cap Factor (DER Net)	<u>85.9</u>	<u>42.6</u>	<u>62.3*</u>
24. Un't Forced Outage Rate	<u>11.8</u>	<u>6.2</u>	<u>16.6</u>
25. Forced Outage Hours	<u>84.9</u>	<u>199.2</u>	<u>10,142.7</u>

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

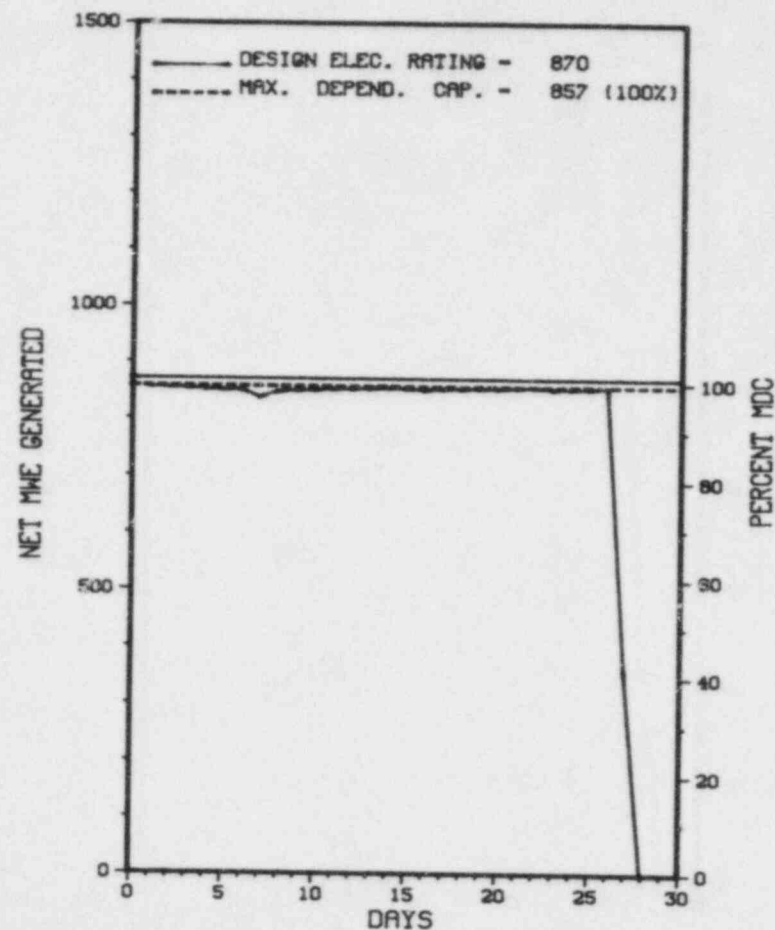
NONE

27. If Currently Shutdown Estimated Startup Date: 10/18/85

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 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	84.9	H	1				UNIT WAS SHUTDOWN PRIOR TO HURRICANE "GLORIA". WHILE SHUTDOWN A GROUND FAULT PROBLEM IN 'C' REACTOR COOLANT PUMP MOTOR WAS FOUND. CAUSE OF GROUND FAULT IS BEING INVESTIGATED.

* SUMMARY *

MILLSTONE 2 SHUTDOWN ON SEPTEMBER 27TH FOR A HURRICANE WARNING AND MAINTENANCE.

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

* MILLSTONE 2 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period SEP 1985

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

* MILLSTONE 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

1. Docket: 50-263 OPERATING STATUS

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 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>720.0</u>	<u>6,551.0</u>	<u>124,944.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,973.1</u>	<u>95,888.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>340.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,851.3</u>	<u>93,854.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,200,497</u>	<u>9,506,644</u>	<u>150,740,458</u>
18. Gross Elec Ener (MWH)	<u>410,332</u>	<u>3,249,123</u>	<u>48,434,176</u>
19. Net Elec Ener (MWH)	<u>394,108</u>	<u>3,116,155</u>	<u>46,291,580</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.3</u>	<u>75.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.3</u>	<u>75.1</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>88.7</u>	<u>69.1</u>
23. Unit Cap Factor (DER Net)	<u>100.4</u>	<u>87.3</u>	<u>68.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>5.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>46.2</u>	<u>1,335.0</u>

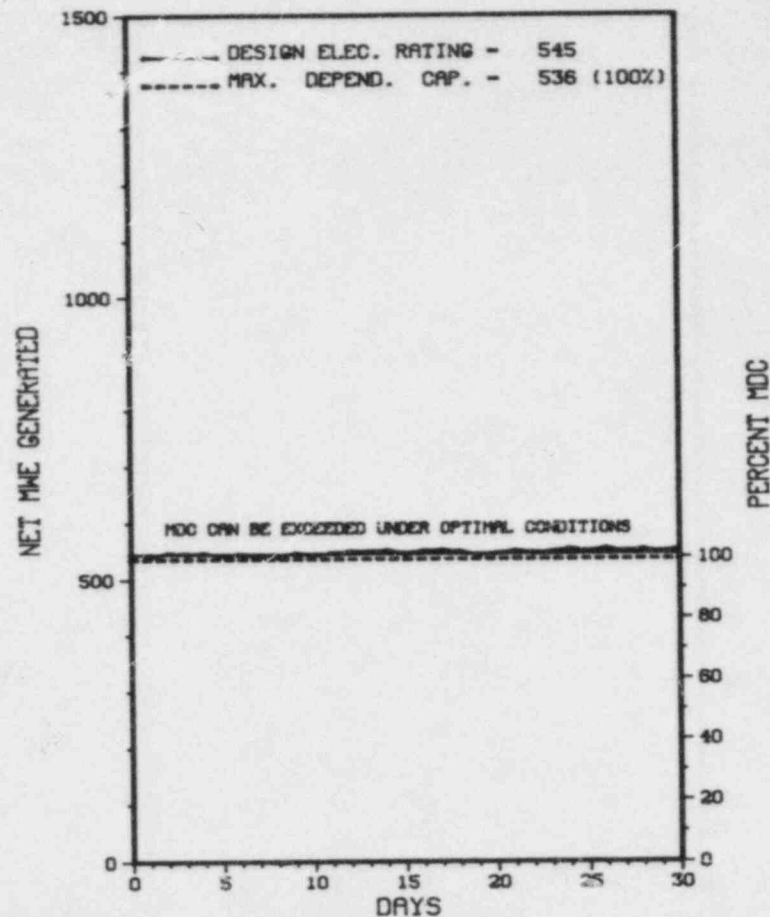
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

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

NONE

* SUMMARY *

MONTICELLO OPERATED ROUTINELY IN SEPTEMBER 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)

* MONTICELLO *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 9 - SEPTEMBER 9 (85020): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF OPERATIONAL SAFETY VERIFICATION; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; SPENT FUEL SHIPMENTS; AND OFFSITE ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 230 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 24 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS OR SAFETY CONCERNS WERE IDENTIFIED IN THE SEVEN AREAS INSPECTED.

INSPECTION ON AUGUST 26 THROUGH 27 (85022): ROUTINE ANNOUNCED SAFETY INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 26 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XII, AS IMPLEMENTED BY THE LICENSEE'S OPERATIONAL QUALITY ASSURANCE PLAN (OQAP), REVISION 9, SECTION 14.0, REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT TOOLS, GAUGES, INSTRUMENTS, AND OTHER MEASURING AND TESTING DEVICES USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CONTROLLED, CALIBRATED, AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) N18.7-1976, COMMITTED TO BY THE LICENSEE IN OQAP SECTION 1.3, REQUIRES THAT TEST EQUIPMENT USED TO VERIFY COMPLIANCE WITH SPECIFICATIONS BE ADJUSTED AND CALIBRATED AT

INSPECTION STATUS - (CONTINUED)

PAGE 2-223

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1850

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

6. Design Electrical Rating (Net MWe): 620

7. Maximum Dependable Capacity (Gross MWe): 630

8. Maximum Dependable Capacity (Net MWe): 610

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

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

11. Reasons for Restrictions, If Any:
NONE

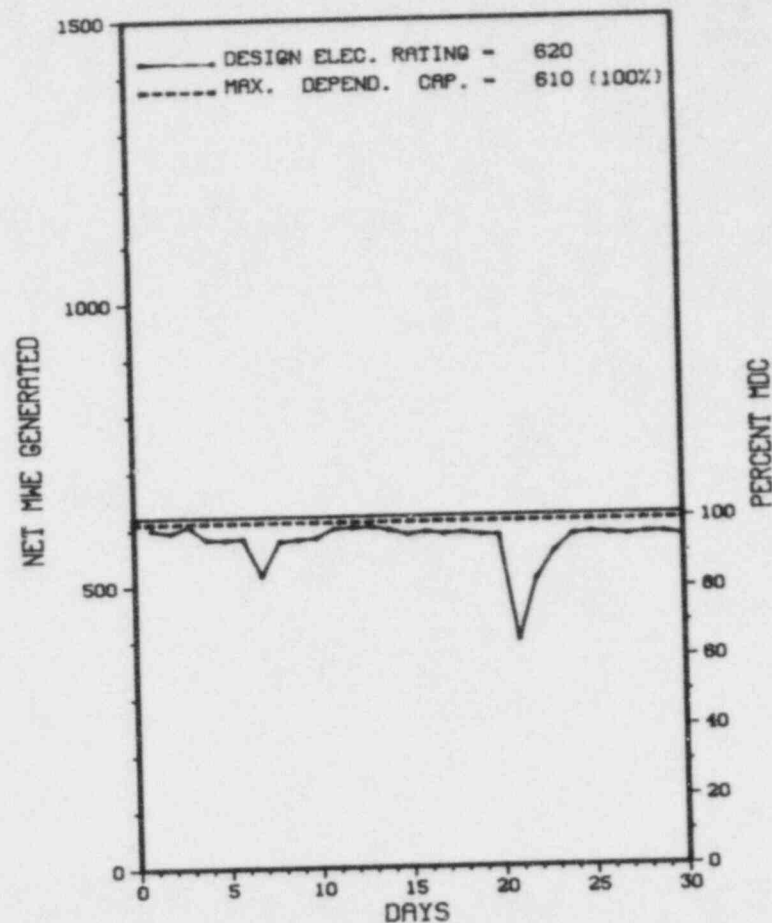
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>139,511.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,494.1</u>	<u>99,210.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,454.6</u>	<u>96,259.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>1,304,559</u>	<u>11,672,912</u>	<u>160,962,279</u>
18. Gross Elec Ener (MWH)	<u>429,269</u>	<u>3,908,145</u>	<u>53,288,934</u>
19. Net Elec Ener (MWH)	<u>416,007</u>	<u>3,789,857</u>	<u>51,619,851</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.5</u>	<u>69.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.5</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>94.7</u>	<u>94.8</u>	<u>60.7</u>
23. Unit Cap Factor (DER Net)	<u>93.2</u>	<u>93.3</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.5</u>	<u>15.6</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): <u>NONE</u>			

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

* NINE MILE POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/20/85	S	0.0	H	5				CONTROL ROD SEQUENCE EXCHANGE.

* SUMMARY *

NINE MILE POINT 1 INCURRED 1 POWER REDUCTION IN SEPTEMBER FOR CONTROL ROD SEQUENCE EXCHANGE.

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

* NINE MILE POINT 1 *

FACILITY DATA

Report Period SEP 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 SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES MEET OR EXCEED THE REQUIREMENTS OF ANSI N18.7-1972. ANSI N18.7-1972, SECTION 5.3.5(3) REQUIRES, IN PART, THAT INSTRUCTIONS SHALL BE INCLUDED FOR RETURNING EQUIPMENT TO ITS NORMAL OPERATING STATUS. CONTRARY TO THE ABOVE, ON JUNE 18, 1985, THE CONTROL ROD DRIVE SYSTEM HAD NOT BEEN RETURNED TO ITS NORMAL OPERATING STATUS SINCE THE CAPS ON THE VENT VALVES ON THE CONTROL ROD DRIVE WITHDRAW LINES WERE REMOVED AND THE VENTS CONNECTED BY A MANIFOLD OF TYGON TUBING.
(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period SEP 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.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

OPERATING STATUS

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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:

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>720.0</u>	<u>6,551.0</u>	<u>64,176.0</u>
13. Hours Reactor Critical	<u>522.5</u>	<u>6,037.0</u>	<u>44,384.0</u>
14. Rx Reserve Shtdwn Hrs	<u>197.5</u>	<u>514.0</u>	<u>2,699.4</u>
15. Hrs Generator On-Line	<u>512.3</u>	<u>5,967.6</u>	<u>43,056.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,327,204</u>	<u>16,005,662</u>	<u>112,869,328</u>
18. Gross Elec Ener (MWH)	<u>448,484</u>	<u>5,393,610</u>	<u>36,765,791</u>
19. Net Elec Ener (MWH)	<u>425,725</u>	<u>5,124,399</u>	<u>34,740,417</u>
20. Unit Service Factor	<u>71.2</u>	<u>91.1</u>	<u>67.1</u>
21. Unit Avail Factor	<u>71.2</u>	<u>91.1</u>	<u>67.1</u>
22. Unit Cap Factor (MDC Net)	<u>66.2</u>	<u>87.7</u>	<u>60.6</u>
23. Unit Cap Factor (DER Net)	<u>65.2</u>	<u>86.2</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>28.8</u>	<u>3.8</u>	<u>12.1</u>
25. Forced Outage Hours	<u>207.7</u>	<u>234.9</u>	<u>5,849.8</u>

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

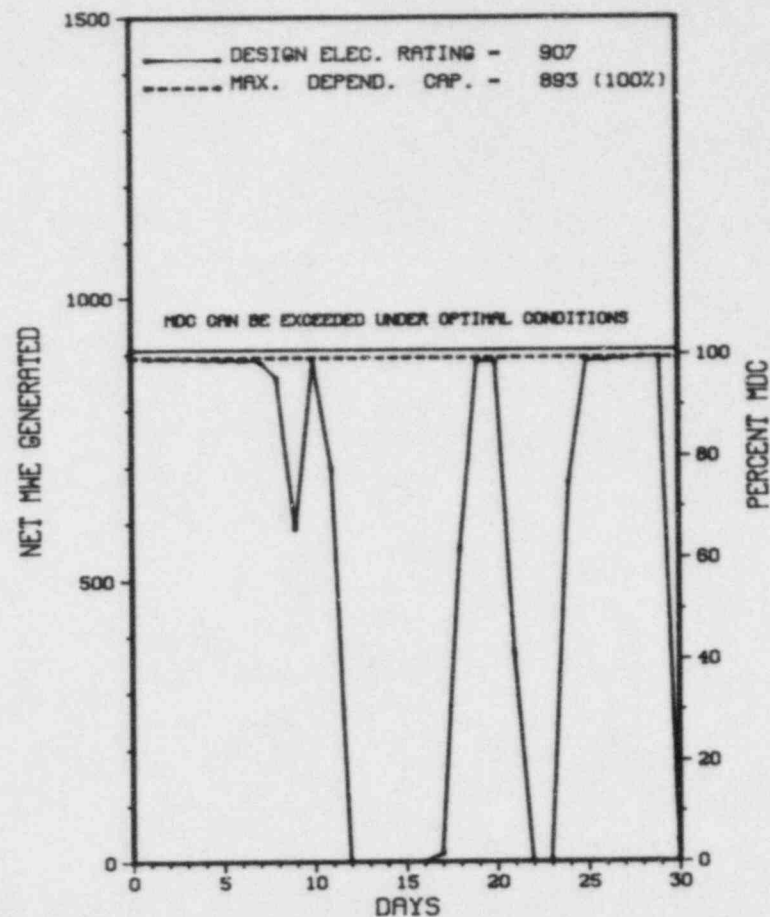
REFUELING, 11-01-85, 48 DAYS

27. If Currently Shutdown Estimated Startup Date: 10/16/85

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MW_e) PLOT

NORTH ANNA 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-17	09/08/85	F	0.0	H	5				RAMPED DOWN TO 45% POWER DUE TO CONTAINMENT TEMPERATURE >105 DEGREES F. UNIT RETURNED TO 100% POWER.
85-18	09/11/85	F	133.2	B	1	85-16			RAMPED UNIT 1 OFF LINE TO REPAIR 'B' RC LOOP BYPASS VALVE PACKING LEAK.
85-19	09/17/85	F	10.9	A	3	85-17			UNIT 1 REACTOR MANUAL TRIP DUE TO 'D' BANK GROUP 1 RODS DROPPED INTO THE CORE WHILE MOVING GROUP 2 CONTROL RODS. REPAIRS WERE MADE AND UNIT RETURNED TO 100% POWER.
85-20	09/21/85	F	59.0	B	1	85-11			RAMPED UNIT 1 OFF LINE TO REPAIR '1J' DIESEL GENERATOR. UNIT RETURNED TO 100% POWER.
85-21	09/30/85	F	4.6	B	1	85-15			RAMPED UNIT 1 OFF LINE TO REPAIR MOV 1700 MOTOR OPERATED VALVE, PACKING LEAK.

* SUMMARY *

NORTH ANNA 1 EXPERIENCED 4 SHUTDOWNS IN SEPTEMBER AS DISCUSSED ABOVE.

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

* NORTH ANNA 1 *

FACILITY DATA

Report Period SEP 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 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.....50-338
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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 5 - SEPTEMBER 1 (85-22): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 65 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE EVENT REPORTS, ENGINEERED SAFETY FEATURES WALKDOWN, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE, MONTHLY SURVEILLANCE AND INSPECTION OF SPENT FUEL POOL RERACKING. ONE VIOLATION WAS IDENTIFIED IN THAT THE LICENSEE FAILED TO COMPLY WITH THE ACTION STATEMENT REQUIREMENTS FOR LIMITING CONDITION FOR OPERATIONS (LCO) 3.3.3.6.A (PARAGRAPH 13).

ENFORCEMENT SUMMARY

UNIT 1 AND UNIT 2 TECHNICAL SPECIFICATION (TS) 4.8.1.1.3A SPECIFY A NUMBER OF SURVEILLANCE REQUIREMENTS THAT ARE TO BE PERFORMED AT LEAST ONCE PER 7 DAYS. 1 AND 2-PT-85, "DC DISTRIBUTION SYSTEMS" ARE THE PERFORMANCE TESTS THE LICENSEE USES TO SATISFY THE ABOVE REQUIREMENTS. UNIT 1 AND 2 TS 4.0.2 REQUIRE IN PART THAT, EACH SURVEILLANCE REQUIREMENT BE PERFORMED WITHIN THE SPECIFIED INTERVAL WITH A MAXIMUM ALLOWABLE EXTENSION NOT TO EXCEED 25% OF THE SURVEILLANCE INTERVAL. CONTRARY TO THE ABOVE THE SURVEILLANCE INTERVAL FOR 1 AND 2-PT-85 WAS EXCEEDED, IN THAT, THE TESTS WERE PERFORMED ON JULY 9, 1985 AND WERE NOT PERFORMED AGAIN UNTIL JULY 19, 1985. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION II, MEASURES WERE NOT ESTABLISHED TO ASSURE PROPER ENVIRONMENTAL CONDITIONS FOR THE CALIBRATION OF M&TE. CONTRARY TO TS TABLE 4.3-14, ITEM 2, AND TS 4.0.2.B, THREE CONSECUTIVE INTERVALS FOR A MONTHLY SURVEILLANCE TEST TOTALLED 103 DAYS, IN EXCESS OF THE 100.75 DAYS ALLOWED BY TS.
(8501 5)

Report Period SEP 1985

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

* NORTH ANNA 1 *

ENFORCEMENT SUMMARY

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: AUGUST 5 - SEPTEMBER 1, 1985 +

INSPECTION REPORT NO: 50-338/85-22 +

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

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

85-009	08/13/85	09/19/85	SEISMIC RESPONSE EQUIPMENT TEST FAILURES, THE CAUSE OF THE FAILURE IS UNKNOWN.
85-010	08/14/85	09/05/85	PRESSURIZER PROVS OPENING IN MODE 5 AFTER RCP START, PROCEDURES USED TO START REACTOR COOLANT PUMPS WILL BE REVISED.
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

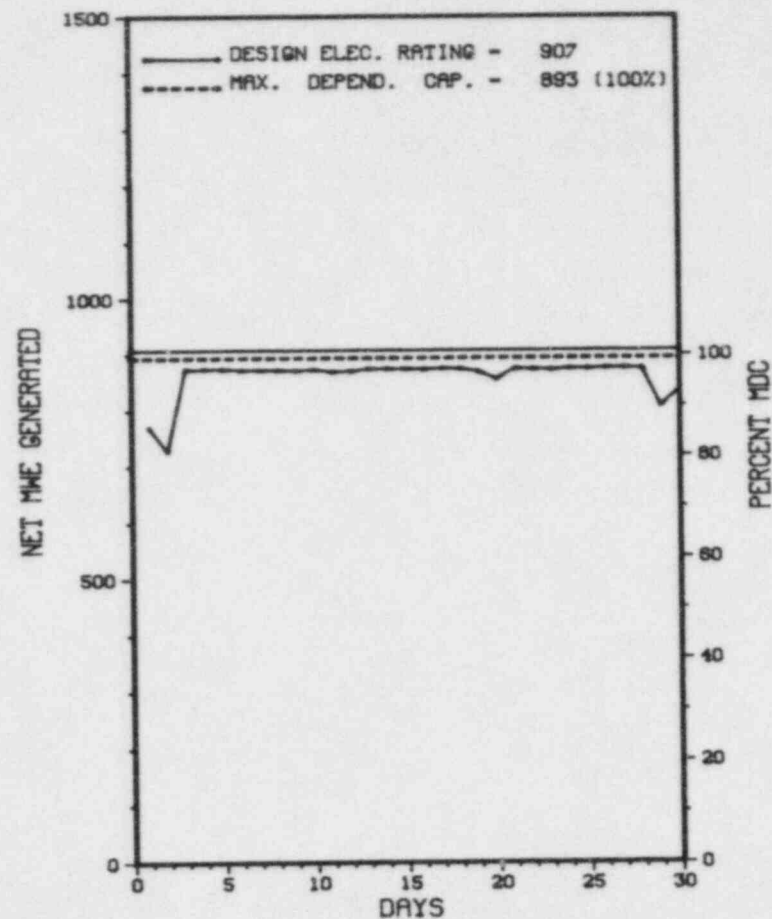
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>42,047.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,427.4</u>	<u>32,210.3</u>
14. Ex Reserve Shtdwn Hrs	<u>.0</u>	<u>93.3</u>	<u>2,470.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,200.0</u>	<u>31,377.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,970,786</u>	<u>16,107,088</u>	<u>81,611,318</u>
18. Gross Elec Ener (MWH)	<u>652,181</u>	<u>5,344,653</u>	<u>27,063,918</u>
19. Net Elec Ener (MWH)	<u>619,604</u>	<u>5,067,781</u>	<u>25,637,054</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.6</u>	<u>74.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.6</u>	<u>74.6</u>
22. Unit Cap Factor (MDC Net)	<u>96.4</u>	<u>86.7</u>	<u>68.3</u>
23. Unit Cap Factor (DER Net)	<u>94.9</u>	<u>85.3</u>	<u>67.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.4</u>	<u>11.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>351.0</u>	<u>4,125.7</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

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

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-43	09/01/85	S	0.0	H	5				RAMPED DOWN TO 62% POWER FOR LOAD FOLLOW. UNIT RETURNED TO 100% POWER.
85-44	09/02/85	S	0.0	H	5				RAMPED DOWN TO 52% POWER FOR LOAD FOLLOW. UNIT RETURNED TO 100% POWER.
85-45	09/20/85	S	0.0	H	5				RAMPED DOWN TO 84% POWER FOR LOAD FOLLOW. UNIT RETURNED TO 100% POWER.
85-46	09/28/85	S	0.0	H	5				RAMPED DOWN TO 70% POWER FOR TURBINE VALVE FREEDOM TEST AND LOAD FOLLOW. UNIT RETURNED TO 100% POWER.
85-47	09/29/85	S	0.0	H	5				RAMPED DOWN TO 69% POWER FOR LOAD FOLLOW. UNIT RETURNED TO 100% POWER.

 * SUMMARY *

NORTH ANNA 2 OPERATED ROUTINELY IN SEPTEMBER WITH NO OUTAGES AND SEVERAL POWER REDUCTIONS REPORTED.

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

* NORTH ANNA 2 *

FACILITY DATA

Report Period SEP 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...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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 5 - SEPTEMBER 1 (85-22): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 65 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE EVENT REPORTS, ENGINEERED SAFETY FEATURES WALKDOWN, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE, MONTHLY SURVEILLANCE AND INSPECTION OF SPENT FUEL POOL RERACKING. ONE VIOLATION WAS IDENTIFIED IN THAT THE LICENSEE FAILED TO COMPLY WITH THE ACTION STATEMENT REQUIREMENTS FOR LIMITING CONDITION FOR OPERATIONS (LCO) 3.3.3.6.A (PARAGRAPH 13).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
NONE.

Report Period SEP 1985

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

* NORTH ANNA 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 5 - SEPTEMBER 1, 1985 +

INSPECTION REPORT NO: 50-339/85-22 +

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

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

85-008	07/25/85	08/20/85	PLANT SHUTDOWN DUE TO HIGH RCS LEAKAGE, MAINTENANCE WAS PERFORMED TO STOP THE PACKING LEAK.
85-009	08/22/85	09/05/85	FORMAL NOTIFICATION OF LICENSEE CONDITION COMPLETION LATE, THE LETTER WAS SIGNED BY A COMPANY OFFICIAL ON 08/22/85.
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>107,040.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,514.6</u>	<u>78,508.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,497.5</u>	<u>75,201.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,848,960</u>	<u>16,558,740</u>	<u>181,432,504</u>
18. Gross Elec Ener (MWH)	<u>630,270</u>	<u>5,727,630</u>	<u>63,064,310</u>
19. Net Elec Ener (MWH)	<u>600,474</u>	<u>5,465,787</u>	<u>59,798,073</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.2</u>	<u>70.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.2</u>	<u>70.3</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>97.0</u>	<u>64.8*</u>
23. Unit Cap Factor (DER Net)	<u>94.0</u>	<u>94.1</u>	<u>63.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>53.5</u>	<u>12,258.7</u>

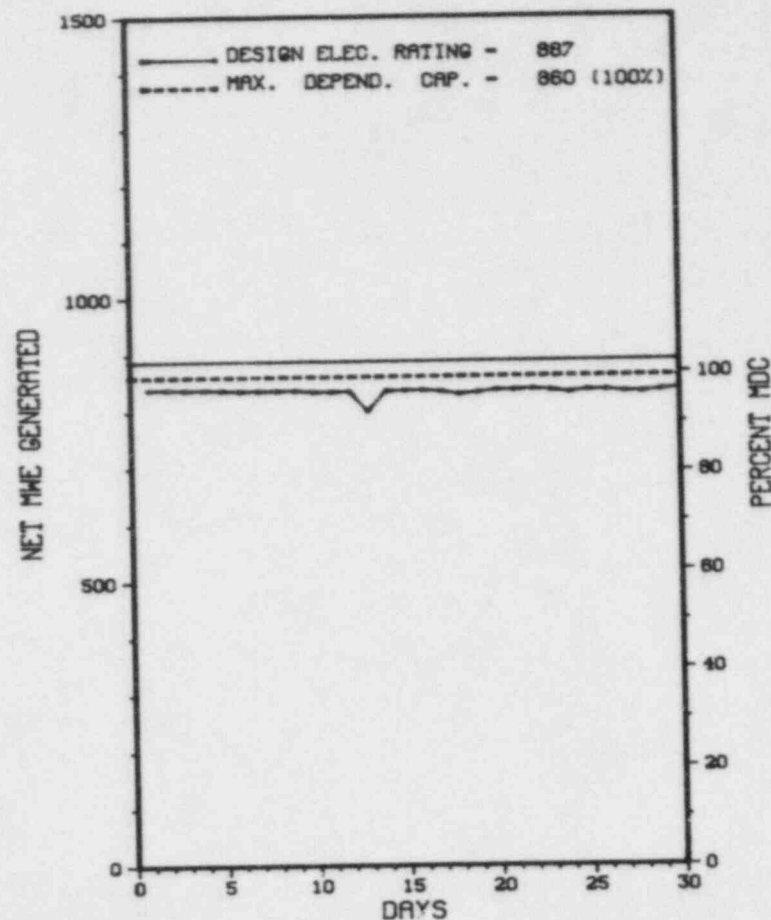
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEBRUARY 13, 1986 - 8 WEEKS

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

* OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14-P	09/13/85	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT PT'S.
15-P	09/24/85	F	0.0	H	5		HC	XXXXXX	FLOODED AIR EJECTOR.

 * SUMMARY *

OCONEE 1 OPERATED ROUTINELY IN SEPTEMBER.

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)

* OCONEE 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION JULY 29 - AUGUST 2 (85-21): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 41 INSPECTOR-HOURS ONSITE CONCERNING LICENSEE RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) EVENTS. AREAS INSPECTED INCLUDED: POST-TRIP REVIEW; EQUIPMENT CLASSIFICATION; VENDOR INTERFACE AND MANUAL CONTROL; POST-MAINTENANCE TESTING; AND REACTOR TRIP SYSTEM RELIABILITY. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURE DURING CLASSIFICATION OF WORK REQUEST, PARAGRAPH 7 AND INADEQUACIES IN DEVELOPMENT AND IMPLEMENTATION OF PROCEDURE MP/0/A/2001/4, CRD BREAKER INSPECTION AND MAINTENANCE, PARAGRAPH 9.

INSPECTION APRIL 22-26 - JULY 3 (85-25): THIS REFERS TO AN INSPECTION CONDUCTED ON APRIL 22-26, 1985, AND AN ENFORCEMENT CONFERENCE HELD IN ATLANTA, GEORGIA, WITH MEMBERS OF DUKE POWER STAFF ON JULY 3, 1985, TO DISCUSS THE OPERABILITY STATUS OF UNIT 1 CONTAINMENT ATMOSPHERE HYDROGEN MONITORS AS DOCUMENTED IN INSPECTION REPORT 50-269/85-09, 50-270/85-09, AND 50-287/85-09. THE ENFORCEMENT CONFERENCE PROVIDED NRC REGION II STAFF WITH A BETTER UNDERSTANDING OF THE PAST OPERABILITY STATUS OF THE LICENSEE'S CONTAINMENT ATMOSPHERE HYDROGEN MONITORS. THE ENFORCEMENT CONFERENCE ALSO PROVIDED DUKE POWER STAFF WITH A BETTER UNDERSTANDING OF THE REGULATORY REQUIREMENTS WHICH APPLY TO THESE MONITORS.

INSPECTION AUGUST 13 - SEPTEMBER 9 (85-26): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 65 INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, REFUELING ACTIVITIES, FOLLOWUP OF EVENTS, CHEMISTRY, AND STATION MODIFICATIONS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS; ONE AREA OF NONCOMPLIANCE WAS FOUND IN ONE AREA (VIOLATION: FAILURE TO FOLLOW PROCEDURE FOR E-BAR DETERMINATION).

Report Period: SEP 1985

INSPECTION STATUS - (CONTINUED)

* OCONEE 1 *

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.5.5-1 AND 3.5.5-2 REQUIREMENTS, THE MONITORS LISTED BELOW WERE OUT OF SERVICE FOR THE PERIODS SHOWN BUT WERE NOT ADDRESSED IN THE SEMIANNUAL RADIOACTIVE EFFLUENT REPORT FOR THE PERIOD OF JULY 1 - DECEMBER 31, 1984. COMPENSATORY SAMPLING WAS PERFORMED AS REQUIRED. (A) LOW PRESSURE SERVICE WATER (LPSW) MONITORS: (I) 1RIA-35 INOPERABLE BEGINNING 11/9/84 - 7/1/85. (II) 3RIA-35 INOPERABLE BEGINNING 11/25/84 - 7/1/85. (B) GASEOUS WASTE DECAY TANK MONITORS: A MINIMUM OF ONE OF EITHER RIA-37 OR RIA-38 IS REQUIRED OPERABLE DURING GAS RELEASES. RIA-37 IS ALWAYS INOPERABLE DURING A RELEASE BECAUSE THE INSTRUMENT ALWAYS GOES OFFSCALE AND IS OVERRIDDEN. THEREFORE WHEN RIA-38 IS INOPERABLE THE MINIMUM IS NOT MET AND COMPENSATORY ACTIONS ARE REQUIRED. 1RIA-38 HAS BEEN INOPERABLE SINCE 10/12/84. CONTRARY TO THE 10 CFR 50.71 REQUIREMENT, CHANGES TO THE OCONEE FSAR FOR THE PERIOD ENDING DECEMBER 31, 1984 WERE NOT FILED BY JULY 1, 1985, NOR WAS A REQUEST FOR EXTENSION FILED OR AN EXTENSION GRANTED AS OF JULY 1, 1985. CONTRARY TO TS 3.5.5-1 AND 3.5.5-2 REQUIREMENTS, THE MONITORS LISTED BELOW WERE OUT OF SERVICE FOR THE PERIODS SHOWN BUT WERE NOT ADDRESSED IN THE SEMIANNUAL RADIOACTIVE EFFLUENT REPORT FOR THE PERIOD OF JULY 1 - DECEMBER 31, 1984. COMPENSATORY SAMPLING WAS PERFORMED AS REQUIRED. (A) LOW PRESSURE SERVICE WATER (LPSW) MONITORS: (I) 1RIA-35 INOPERABLE BEGINNING 11/9/84 - 7/1/85. (II) 3RIA-35 INOPERABLE BEGINNING 11/25/84 - 7/1/85. (B) GASEOUS WASTE DECAY TANK MONITORS: A MINIMUM OF ONE OF EITHER RIA-37 OR RIA-38 IS REQUIRED OPERABLE DURING GAS RELEASES. RIA-37 IS ALWAYS INOPERABLE DURING A RELEASE BECAUSE THE INSTRUMENT ALWAYS GOES OFFSCALE AND IS OVERRIDDEN. THEREFORE WHEN RIA-38 IS INOPERABLE THE MINIMUM IS NOT MET AND COMPENSATORY ACTIONS ARE REQUIRED. 1RIA-38 HAS BEEN INOPERABLE SINCE 10/12/84. CONTRARY TO THE 10 CFR 50.71 REQUIREMENT, CHANGES TO THE OCONEE FSAR FOR THE PERIOD ENDING DECEMBER 31, 1984 WERE NOT FILED BY JULY 1, 1985, NOR WAS A REQUEST FOR EXTENSION FILED OR AN EXTENSION GRANTED AS OF JULY 1, 1985. CONTRARY TO TS 3.5.5-1 AND 3.5.5-2 REQUIREMENTS, THE MONITORS LISTED BELOW WERE OUT OF SERVICE FOR THE PERIODS SHOWN BUT WERE NOT ADDRESSED IN THE SEMIANNUAL RADIOACTIVE EFFLUENT REPORT FOR THE PERIOD OF JULY 1 - DECEMBER 31, 1984. COMPENSATORY SAMPLING WAS PERFORMED AS REQUIRED. (A) LOW PRESSURE SERVICE WATER (LPSW) MONITORS: (I) 1RIA-35 INOPERABLE BEGINNING 11/9/84 - 7/1/85. (II) 3RIA-35 INOPERABLE BEGINNING 11/25/84 - 7/1/85. (B) GASEOUS WASTE DECAY TANK MONITORS: A MINIMUM OF ONE OF EITHER RIA-37 OR RIA-38 IS REQUIRED OPERABLE DURING GAS RELEASES. RIA-37 IS ALWAYS INOPERABLE DURING A RELEASE BECAUSE THE INSTRUMENT ALWAYS GOES OFFSCALE AND IS OVERRIDDEN. THEREFORE WHEN RIA-38 IS INOPERABLE THE MINIMUM IS NOT MET AND COMPENSATORY ACTIONS ARE REQUIRED. 1RIA-38 HAS BEEN INOPERABLE SINCE 10/12/84. CONTRARY TO THE 10 CFR 50.71 REQUIREMENT, CHANGES TO THE OCONEE FSAR FOR THE PERIOD ENDING DECEMBER 31, 1984 WERE NOT FILED BY JULY 1, 1985, NOR WAS A REQUEST FOR EXTENSION FILED OR AN EXTENSION GRANTED AS OF JULY 1, 1985.
(8502 5)

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: AUGUST 13 - SEPTEMBER 9, 1985 +

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

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*          OCONEE 1          *
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INSPECTION REPORT NO: 50-269/85-26 +

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-009	07/11/85	08/12/85	INOPERABILITY OF SEVERAL RADIOACTIVE EFFLUENT MONITORS, THIS INCIDENT IS CONSIDERED TO BE A MANAGEMENT/QA DEFICIENCY.
85-011	07/23/85	08/19/85	INTERIM RADWASTE BUILDING GASEOUS EFFLUENT FLOW RATE MONITOR INOPERABLE, THIS INCIDENT IS ASSIGNED A CATEGORY E MANAGEMENT DEFICIENCY.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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1. Docket: 50-270 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any: NONE

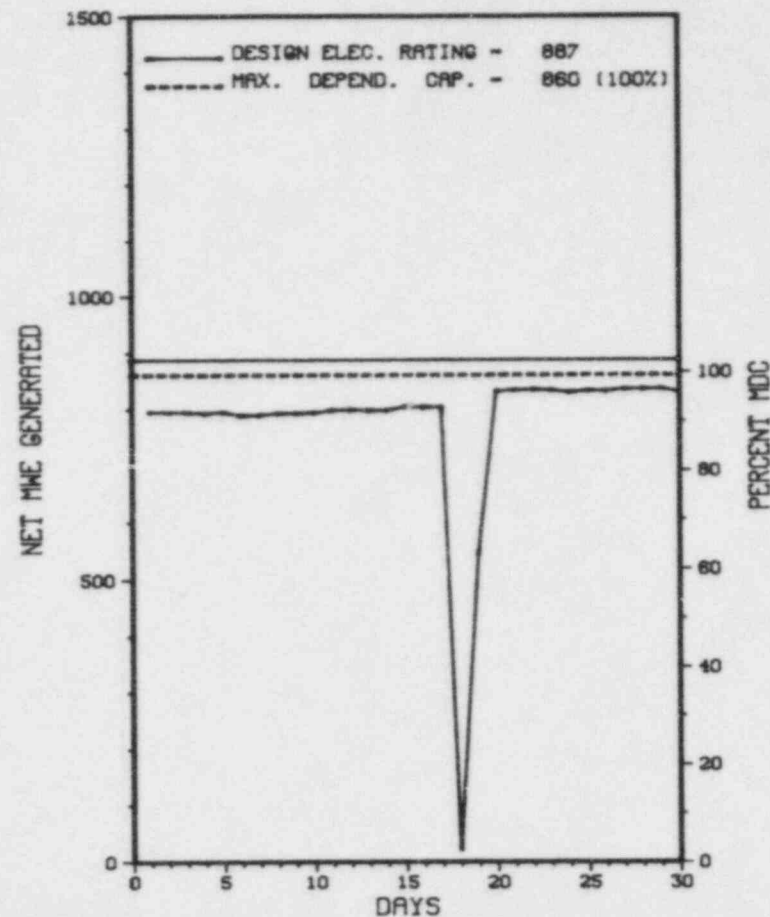
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>96,960.0</u>
13. Hours Reactor Critical	<u>700.8</u>	<u>4,551.8</u>	<u>70,649.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>696.6</u>	<u>4,472.8</u>	<u>69,417.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,728,778</u>	<u>10,090,567</u>	<u>164,858,871</u>
18. Gross Elec Ener (MWH)	<u>586,334</u>	<u>3,436,580</u>	<u>56,164,496</u>
19. Net Elec Ener (MWH)	<u>558,254</u>	<u>3,254,771</u>	<u>53,364,304</u>
20. Unit Service Factor	<u>96.8</u>	<u>68.3</u>	<u>71.6</u>
21. Unit Avail Factor	<u>96.8</u>	<u>68.3</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>90.2</u>	<u>57.8</u>	<u>63.8*</u>
23. Unit Cap Factor (DER Net)	<u>87.4</u>	<u>56.0</u>	<u>62.1*</u>
24. Unit Forced Outage Rate	<u>3.3</u>	<u>8.1</u>	<u>14.2</u>
25. Forced Outage Hours	<u>23.4</u>	<u>393.2</u>	<u>10,649.3</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

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

 * OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



SEPTEMBER 1985

* Item calculated with a Weighted Average

PAGE 2-242

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
23-P	09/01/85	F	0.0	A	5		CB	HEATEX	LIMITED DUE TO HIGH STEAM GENERATOR LEVEL.
24-P	09/06/85	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT PT'S.
25-P	09/07/85	F	0.0	A	5		CB	HEATEX	LIMITED DUE TO STEAM GENERATOR HIGH LEVEL.
7	09/18/85	F	23.4	A	1		CJ	INSTRU	HIGH REACTOR COOLANT LEAKAGE FROM INSTRUMENT ROOT VALVE PACKING.
26-P	09/19/85	F	0.0	F	5		XX	XXXXXX	HOLD FOR SECONDARY READINGS.
27-P	09/19/85	F	0.0	A	5		CB	HEATEX	INVESTIGATE FEEDWATER HIGH LEVEL (POSSIBLE TUBE LEAK).
28-P	09/24/85	F	0.0	A	5		CH	INSTRU	INVESTIGATE REACTOR POWER SPIKE AND OTSG LEVEL INCREASE.

 * SUMMARY *

 OCONEE 2 INCURRED 1 OUTAGE AND 6 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)

* OCONEE 2 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 29 - AUGUST 2 (85-21): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 41.5 INSPECTOR-HOURS ONSITE CONCERNING LICENSEE RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) EVENTS. AREAS INSPECTED INCLUDED: POST-TRIP REVIEW; EQUIPMENT CLASSIFICATION; VENDOR INTERFACE AND MANUAL CONTROL; POST-MAINTENANCE TESTING; AND REACTOR TRIP SYSTEM RELIABILITY. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURE DURING CLASSIFICATION OF WORK REQUEST, PARAGRAPH 7 AND INADEQUACIES IN DEVELOPMENT AND IMPLEMENTATION OF PROCEDURE MP/0/A/2001/4, CRD BREAKER INSPECTION AND MAINTENANCE, PARAGRAPH 9.

INSPECTION APRIL 22-26 - JULY 3 (85-25): THIS REFERS TO AN INSPECTION CONDUCTED ON APRIL 22-26, 1985, AND AN ENFORCEMENT CONFERENCE HELD IN ATLANTA, GEORGIA, WITH MEMBERS OF DUKE POWER STAFF ON JULY 3, 1985, TO DISCUSS THE OPERABILITY STATUS OF UNIT 1 CONTAINMENT ATMOSPHERE HYDROGEN MONITORS AS DOCUMENTED IN INSPECTION REPORT 50-269/85-09, 50-270/85-09, AND 50-287/85-09. THE ENFORCEMENT CONFERENCE PROVIDED NRC REGION II STAFF WITH A BETTER UNDERSTANDING OF THE PAST OPERABILITY STATUS OF THE LICENSEE'S CONTAINMENT ATMOSPHERE HYDROGEN MONITORS. THE ENFORCEMENT CONFERENCE ALSO PROVIDED DUKE POWER STAFF WITH A BETTER UNDERSTANDING OF THE REGULATORY REQUIREMENTS WHICH APPLY TO THESE MONITORS.

INSPECTION AUGUST 13 - SEPTEMBER 9 (85-26): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 65 INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, REFUELING ACTIVITIES, FOLLOWUP OF EVENTS, CHEMISTRY, AND STATION MODIFICATIONS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS; ONE AREA OF NONCOMPLIANCE WAS FOUND IN ONE AREA (VIOLATION: FAILURE TO FOLLOW PROCEDURE FOR E-BAR DETERMINATION).

Report Period SEP 1985

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

* OCONEE 2 *

ENFORCEMENT SUMMARY

NONE

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: AUGUST 13 - SEPTEMBER 9, 1985 +

INSPECTION REPORT NO: 50-270/85-26 +

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

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

NONE.			
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>94,607.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,002.5</u>	<u>68,233.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>4,981.8</u>	<u>67,040.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,199,658</u>	<u>163,996,698</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,188,450</u>	<u>56,613,384</u>
19. Net Elec Ener (MWH)	<u>-2,778</u>	<u>4,000,883</u>	<u>53,922,256</u>
20. Unit Service Factor	<u>.0</u>	<u>76.0</u>	<u>70.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>76.0</u>	<u>70.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>71.0</u>	<u>66.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>68.9</u>	<u>64.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.3</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>281.1</u>	<u>10,828.3</u>

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

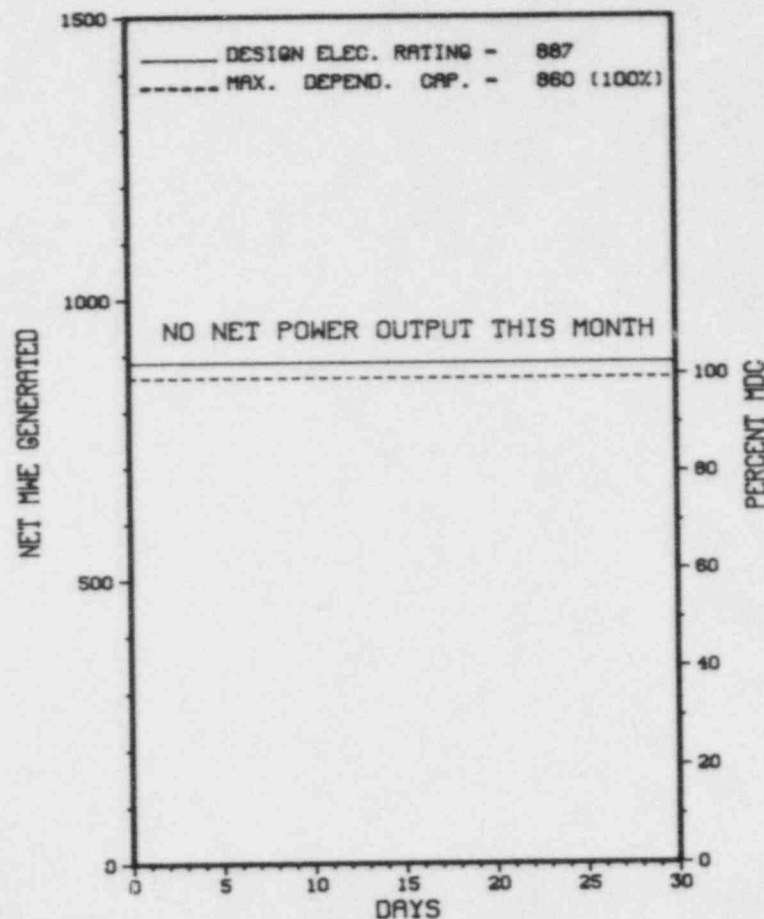
NONE

27. If Currently Shutdown Estimated Startup Date: 10/07/85

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 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	720.0	C	4		RC	FUELXX	END OF CYCLE & REFUELING OUTAGE CONTINUES.

 * SUMMARY *

OCONEE 3 WAS SHUT DOWN FOR REFUELING THROUGHOUT SEPTEMBER.

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)

* OCONEE 3 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION JULY 29 - AUGUST 2 (85-21): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 41 INSPECTOR-HOURS ONSITE CONCERNING LICENSEE RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) EVENTS. AREAS INSPECTED INCLUDED: POST-TRIP REVIEW; EQUIPMENT CLASSIFICATION; VENDOR INTERFACE AND MANUAL CONTROL; POST-MAINTENANCE TESTING; AND REACTOR TRIP SYSTEM RELIABILITY. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURE DURING CLASSIFICATION OF WORK REQUEST, PARAGRAPH 7 AND INADEQUACIES IN DEVELOPMENT AND IMPLEMENTATION OF PROCEDURE MP/0/A/2001/4, CRD BREAKER INSPECTION AND MAINTENANCE, PARAGRAPH 9.

INSPECTION APRIL 22-26 - JULY 3 (85-25): THIS REFERS TO AN INSPECTION CONDUCTED ON APRIL 22-26, 1985, AND AN ENFORCEMENT CONFERENCE HELD IN ATLANTA, GEORGIA, WITH MEMBERS OF DUKE POWER STAFF ON JULY 3, 1985, TO DISCUSS THE OPERABILITY STATUS OF UNIT 1 CONTAINMENT ATMOSPHERE HYDROGEN MONITORS AS DOCUMENTED IN INSPECTION REPORT 50-269/85-09, 50-270/85-09, AND 50-287/85-09. THE ENFORCEMENT CONFERENCE PROVIDED NRC REGION II STAFF WITH A BETTER UNDERSTANDING OF THE PAST OPERABILITY STATUS OF THE LICENSEE'S CONTAINMENT ATMOSPHERE HYDROGEN MONITORS. THE ENFORCEMENT CONFERENCE ALSO PROVIDED DUKE POWER STAFF WITH A BETTER UNDERSTANDING OF THE REGULATORY REQUIREMENTS WHICH APPLY TO THESE MONITORS.

INSPECTION AUGUST 13 - SEPTEMBER 9 (85-26): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 65 INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, REFUELING ACTIVITIES, FOLLOWUP OF EVENTS, CHEMISTRY, AND STATION MODIFICATIONS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS; ONE AREA OF NONCOMPLIANCE WAS FOUND IN ONE AREA (VIOLATION: FAILURE TO FOLLOW PROCEDURE FOR E-BAR DETERMINATION).

INSPECTION STATUS - (CONTINUED)

PAGE 2-249

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1930

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

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>138,263.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,419.7</u>	<u>91,743.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>289.8</u>	<u>759.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,197.9</u>	<u>88,734.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>572.4</u>	<u>575.1</u>
17. Gross Therm Ener (MWH)	<u>1,323,000</u>	<u>9,149,140</u>	<u>146,488,000</u>
18. Gross Elec Ener (MWH)	<u>441,320</u>	<u>3,086,090</u>	<u>49,469,085</u>
19. Net Elec Ener (MWH)	<u>424,780</u>	<u>2,960,636</u>	<u>47,525,096</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.3</u>	<u>64.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.1</u>	<u>64.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>72.9</u>	<u>55.4*</u>
23. Unit Cap Factor (DER Net)	<u>90.8</u>	<u>69.5</u>	<u>52.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>20.4</u>	<u>12.5</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):

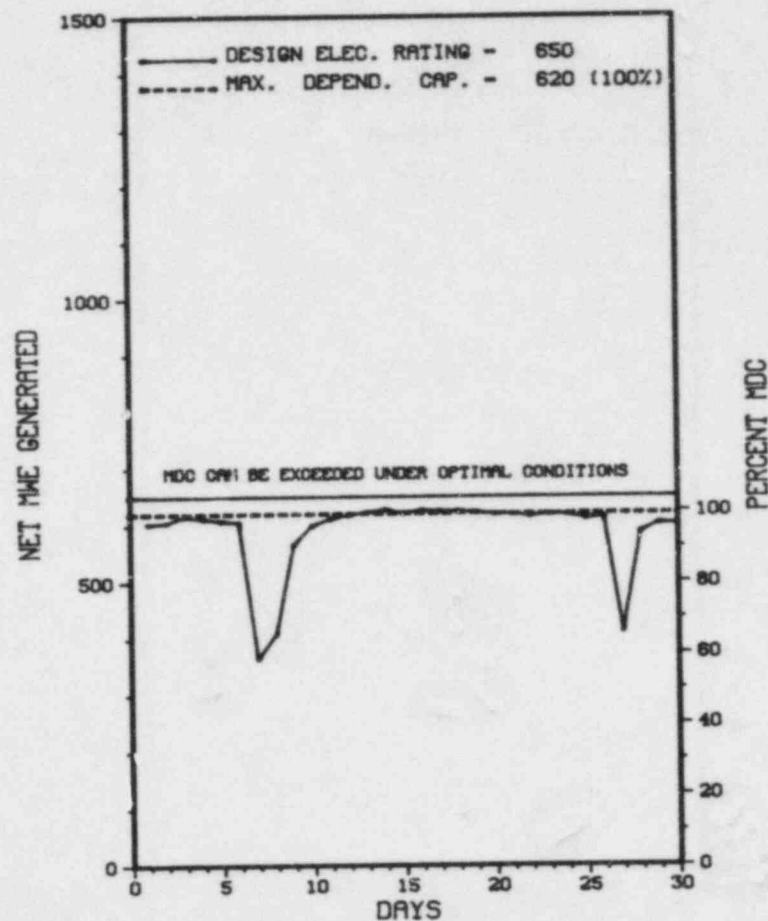
MAINTENANCE, OCTOBER 16, 1985 - 1 MONTH

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
41	09/07/85	F	0.0	B	5		ZZ	ZZZZZZ	36% POWER REDUCTION SEPT. 7 FOR ROD SEQUENCE CHANGE INCREASE REACTOR POWER TO 98% OVER NEXT TWO DAY PERIOD.
42	09/27/85	F	0.0	B	5		ZZ	ZZZZZZ	60% POWER REDUCTION ON SEPT 27 DUE TO HURRICANE "GLORIA". PLANT LOAD BACK TO NORMAL ON SEPT. 28.

 * SUMMARY *

 OYSTER CREEK INCURRED A 60% POWER REDUCTION ON SEPTEMBER 27 BECAUSE OF HURRICANE GLORIA.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

NO INPUT PROVIDED.

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: P. A. SMITH (616) 764-8913

4. Licensed Thermal Power (MWh): 2530

5. Nameplate Rating (Gross MWe): 955 X 0.85 = 812

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 675

8. Maximum Dependable Capacity (Net MWe): 635

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>120,830.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,127.2</u>	<u>66,937.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>645.0</u>	<u>5,990.3</u>	<u>63,605.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,372,872</u>	<u>14,217,648</u>	<u>132,300,600</u>
18. Gross Elec Ener (MWH)	<u>435,760</u>	<u>4,534,100</u>	<u>41,151,890</u>
19. Net Elec Ener (MWH)	<u>407,342</u>	<u>4,291,962</u>	<u>38,731,525</u>
20. Unit Service Factor	<u>89.6</u>	<u>91.4</u>	<u>52.6</u>
21. Unit Avail Factor	<u>89.6</u>	<u>91.4</u>	<u>52.6</u>
22. Unit Cap Factor (MDC Net)	<u>89.1</u>	<u>103.2</u>	<u>50.5</u>
23. Unit Cap Factor (DER Net)	<u>70.3</u>	<u>81.4</u>	<u>39.8</u>
24. Unit Forced Outage Rate	<u>10.4</u>	<u>8.6</u>	<u>31.7</u>
25. Forced Outage Hours	<u>75.0</u>	<u>560.7</u>	<u>15,459.7</u>

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

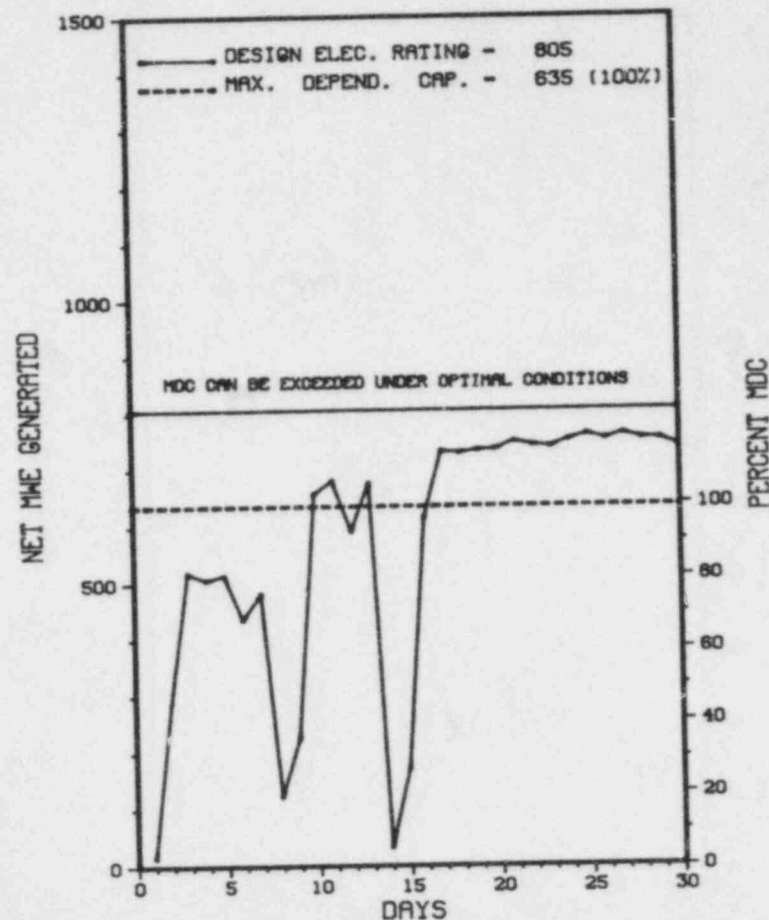
REFUELING OUTAGE: DECEMBER 1, 1985.

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

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	09/01/85	F	9.5	A	3				GOVERNOR VALVE EH LINE LEAK.
11	09/01/85	F	16.8	A	3				GOVERNOR VALVE EH LINE LEAK.
12	09/08/85	F	21.0	B	3				REPAIR NO. 1 GOVERNOR VALVE.
13	09/14/85	F	27.7	B	3				REPAIR NO. 1 GOVERNOR VALVE AND PERFORM MISCELLANEOUS MAINTENANCE.

 * SUMMARY *

 PALISADES HAD 4 OUTAGES IN SEPTEMBER AS DISCUSSED ABOVE.

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)

* PALISADES *

FACILITY DATA

Report Period SEP 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255
LICENSE & DATE ISSUANCE...DPR-20, OCTOBER 16, 1972
PUBLIC DOCUMENT ROOM.....VAN ZOEREN LIBRARY
HOPE COLLEGE
HOLLAND, MICHIGAN
49423 49007

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 3, 4, AND 11 THROUGH JULY 8 (85015): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT AND REGIONAL INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; ENGINEERED SAFETY FEATURES WALKDOWN; REPORTABLE EVENTS; DESIGN CHANGES; AUDIT PROGRAM IMPLEMENTATION AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 163 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 22 INSPECTOR-HOURS ON SITE DURING OFF-SHIFTS. OF THE AREAS INSPECTED NO VIOLATIONS, DEVIATIONS OR ITEMS OF SAFETY CONCERN WERE IDENTIFIED.

INSPECTION ON JULY 10-12, JULY 15-18, JULY 29, AUGUST 1, AUGUST 6-9, AND SEPTEMBER 4 (85017): ROUTINE, ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; QUALITY ASSURANCE PROGRAM; QA/QC ADMINISTRATION; DESIGN CHANGES AND MODIFICATIONS; TEST AND EXPERIMENTS PROGRAM; SURVEILLANCE PROCEDURES AND RECORDS; AND SURVEILLANCE TESTING AND CALIBRATION CONTROL. THE INSPECTION INVOLVED A TOTAL OF 117 INSPECTOR-HOURS ONSITE INCLUDING 5 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS; THREE VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO RETRIEVE QA RECORDS; FAILURE TO PROPERLY CONTROL DESIGN CHANGES AND MODIFICATIONS AND FAILURE TO ADEQUATELY CONTROL NONCONFORMING MATERIALS, PARTS AND COMPONENTS).

INSPECTION ON JULY 9 THROUGH AUGUST 12 (85018): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; UNUSUAL EVENTS; AND CONFIRMATORY ACTION. THE INSPECTION INVOLVED A TOTAL OF 151 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 25 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. TWO VIOLATIONS WERE IDENTIFIED IN THE AREA OF DESIGN CHANGE CONTROLS WHICH WERE CARRIED AS AN UNRESOLVED ITEM FROM

INSPECTION SUMMARY

THE LAST INSPECTION REPORT. THESE VIOLATIONS ARE CONSIDERED INDICATIVE OF POTENTIALLY SERIOUS PROGRAM IMPLEMENTATION PROBLEMS. A FAILURE TO REVIEW AND CONTROL THE REMOVAL OF EQUIPMENT HATCHES FROM THE SAFEGUARDS PUMP ROOM WAS IDENTIFIED. FIRE WATCH REQUIREMENTS WERE ALSO FOUND TO HAVE BEEN VIOLATED DURING GRINDING IN THE TURBINE BUILDING. AN UNRESOLVED ISSUE EXISTS CONCERNING THE ACTIONS TAKEN IN RESPONSE TO LICENSEE IDENTIFICATION OF A MISSED SURVEILLANCE TEST. TWO OPEN ITEMS WERE IDENTIFIED, ONE TO TRACK COMPLETION OF THE INSPECTION OF GENERAL ELECTRIC (GE) HAND SWITCHES SIMILAR TO ONE THAT FAILED PREVENTING A SAFETY SYSTEM VALVE FROM OPENING AND ONE TO TRACK COMPLETION OF ACTIONS SPECIFIED BY CONFIRMATORY ACTION LETTER TO RETRAIN CERTAIN LICENSED OPERATORS WHO FAILED A REQUALIFICATION EXAM. SIX UNUSUAL EVENTS, A PLANT TRIP AND AN INADVERTENT ESF ACTUATION WERE REPORTED TO THE NRC DUTY OFFICER DURING THIS PERIOD.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVII, AS IMPLEMENTED BY THE CONSUMERS POWER COMPANY QUALITY ASSURANCE PROGRAM FOR OPERATIONAL NUCLEAR POWER PLANTS (CPC-2A), REQUIRES THAT QUALITY ASSURANCE RECORDS BE PREPARED, STORED AND RETRIEVED AS NECESSARY TO PROVIDE OBJECTIVE EVIDENCE THAT ACTIVITIES AFFECTING QUALITY WERE PROPERLY PERFORMED. CONTRARY TO THE ABOVE, THE FOLLOWING RECORDS PROVIDING OBJECTIVE EVIDENCE OF SATISFACTORY COMPLETION OF PALISADES PLANT MODIFICATIONS COULD NOT BE LOCATED: A. CONTROL WORK PACKAGE NO. 138618-31, REVISION 0, FOR FACILITY CHANGE PACKAGE NO. FC-494-3. B. SAFETY EVALUATION AND PLANT REVIEW COMMITTEE REVIEW RECORD FOR CONTROL WORK PACKAGE NO. 138618-31, REVISION 0, FOR FACILITY CHANGE PACKAGE NO. FC-494-3. C. COMPLETED CONSTRUCTION WORK PACKAGE FOR FACILITY CHANGE PACKAGE NO. FC-608. 10 CFR 50, APPENDIX B, CRITERION II, AS IMPLEMENTED BY CONSUMERS POWER COMPANY QUALITY ASSURANCE PROGRAM FOR OPERATIONAL NUCLEAR POWER PLANTS (CPC-2A), REQUIRES THAT CONTROL BE PROVIDED OVER ACTIVITIES AFFECTING THE QUALITY OF THE IDENTIFIED STRUCTURES, SYSTEMS AND COMPONENTS TO AN EXTENT CONSISTENT WITH THEIR IMPORTANCE TO SAFETY. CONTRARY TO THE ABOVE, THE DESIGN CHANGE AND MODIFICATION PROGRAM WAS NOT PROPERLY CONTROLLED, IN THAT THE FOLLOWING DOCUMENTATION HAD NOT BEEN COMPLETED TO PROVIDE EVIDENCE THAT THE SPECIFIED WORK HAD BEEN ACCOMPLISHED: A. NINETEEN OF TWENTY-NINE SIGNOFFS WERE NOT COMPLETED ON PROCESS CONTROL SHEET NO. 7545-29, REVISION 0, FOR FACILITY CHANGE PACKAGE NO. FC-494-3. B. TEN OF THIRTY-EIGHT ITEMS ON THE PROJECT PUNCH LIST AND THE CONTRACTORS EXCEPTION LIST FOR FACILITY CHANGE PACKAGE NO. FC-494-3 WERE NOT COMPLETED AS REQUIRED BY PROCEDURE NO. MT-11. C. THREE VERIFICATION SIGNATURES WERE NOT COMPLETED ON THE WORK PACKAGE FOR FACILITY CHANGE PACKAGE NO. FC-607.

10 CFR 50, APPENDIX B, CRITERION XV, AS IMPLEMENTED BY CONSUMERS POWER COMPANY QUALITY ASSURANCE PROGRAM FOR OPERATIONAL NUCLEAR POWER PLANTS (CPC-2A), REQUIRES THAT NONCONFORMING MATERIALS, PARTS AND COMPONENTS BE CONTROLLED TO ENSURE PROPER IDENTIFICATION, DOCUMENTATION AND DISPOSITION. CONTRARY TO THE ABOVE, (1) THE ACTUAL DISPOSITION OF DEVIATION REPORT NO. 5511-007 WAS DIFFERENT THAN THAT SPECIFIED ON THE REPORT AND (2) THE DISPOSITION OF DEVIATION REPORT NO. 5511-12 WAS NOT APPROPRIATE, IN THAT FINAL RESOLUTION OF THE DEFICIENCY WAS NOT PROVIDED FOR.
(8501 4)

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, ASSEMBLY ERROR AND INADEQUATE TORQUE. A FINAL INVESTIGATION REPORT WILL BE DOKCEED BY THE LICENSEE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

INSPECTION STATUS - (CONTINUED)

PAGE 2-258

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1. Docket: 50-528 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>2,690.6</u>	<u>2,690.6</u>
13. Hours Reactor Critical	<u>533.5</u>	<u>1,477.1</u>	<u>1,477.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>486.0</u>	<u>1,204.5</u>	<u>1,204.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,069,383</u>	<u>1,970,635</u>	<u>1,970,635</u>
18. Gross Elec Ener (MWH)	<u>323,400</u>	<u>536,400</u>	<u>536,400</u>
19. Net Elec Ener (MWH)	<u>276,300</u>	<u>417,602</u>	<u>417,602</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>234.0</u>	<u>1,486.1</u>	<u>1,486.1</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):			

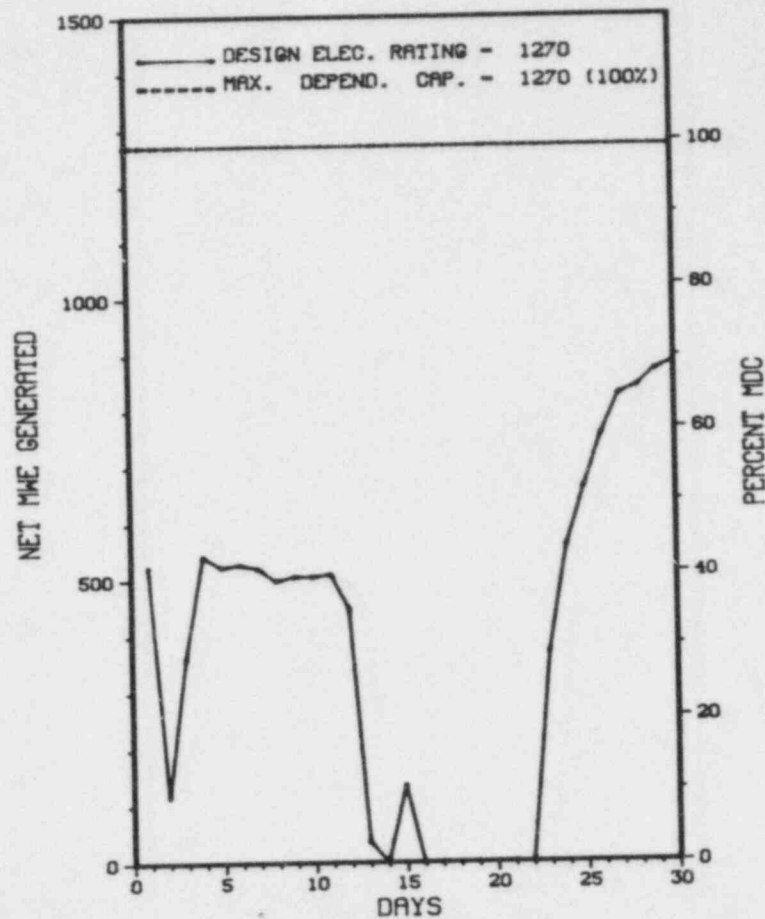
NONE

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

* PALO VERDE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PALO VERDE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
9	09/12/85	F	77.0	B	3	85-063-00		PORTION OF POWER ASCENSION TESTING.
10	09/16/85	F	157.0	B	3			TESTING PLANT SHUTDOWN FROM OUTSIDE THE CONTROL ROOM.

 * SUMMARY *

PALO VERDE 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)

FACILITY DESCRIPTION

Report Period SEP 1985

UTILITY & CONTRACTOR INFORMATION

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
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-41, JUNE 1, 1985

PUBLIC DOCUMENT ROOM.....MS STEFANIE MORITZ
DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST MCDOWELL ROAD
PHOENIX, ARIZONA 85004

INSPECTION STATUS

INSPECTION SUMMARY

- + INSPECTION ON JULY 15-19, 1985 (REPORT NO. 50-528/85-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 1 - SEPTEMBER 8, 1985 (REPORT NO. 50-528/85-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 7 - SEPTEMBER 22, 1985 (REPORT NO. 50-528/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 23-27, 1985 (REPORT NO. 50-528/85-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 28 - NOVEMBER 8, 1985 (REPORT NO. 50-528/85-31) REPORT BEING PREPARED; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON SEPTEMBER 9 - OCTOBER 14, 1985 (REPORT NO. 50-528/85-32) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 23 - OCTOBER 4, 1985 (REPORT NO. 50-528/85-33) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + 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) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

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

NONE

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

* THE PLANT ACHIEVED INITIAL CRITICALITY ON MAY 25, 1985. THE PLANT ACHIEVED 80% POWER ON SEPTEMBER 26, 1985. POWER ASCENSION TEST IS CURRENTLY ONGOING.

LAST IE SITE INSPECTION DATE: 09/16/85-02/01/86+

INSPECTION REPORT NO: 50-528/85-36+

Report Period SEP 1985

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

* PALO VERDE 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-19-L0	06-14-85	07-15-85	REACTOR TRIP DUE TO IMPROPER OPERATION OF MAIN FEEDWATER PUMP MINI-FLOW CONTROL VALVE
85-25-L0	03-14-85	07-01-85	LACK OF VERIFICATION OF ADEQUATE BORATION INJECTION FLOWPATH. VOLUNTARY REPORT
85-29-L0	05-26-85	07-10-85	FAILURE TO INSPECT AUTOMATIC FIRE DOORS WITHIN TECH SPEC TIME LIMIT
85-34-L0	05-21-85	07-15-85	FAILURE TO RECORD PRESSURIZER COOL DOWN RATE
85-38-L0	05-30-85	07-05-85	FAILURE TO MONITOR CONTAINMENT AIR PER TECH SPEC
85-40-L0	07-13-85	08-12-85	CONTINUOUS FIRE WATCH NOT PERFORMED WHILE FIRE SPRINKLER SYSTEM WAS ISOLATED
85-42-L0	07-11-85	08-12-85	PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATION DUE TO UNIDENTIFIED LEAK GREATER THAN 1GPM
85-43-L0	07-01-85	07-31-85	REACTOR TRIP ON HIGH PRESSURIZER PRESSURE
85-44-L0	06-13-85	08-02-85	FAILURE TO TAKE BACKUP SAMPLES
85-45-L0	07-03-85	08-06-85	FAILURE TO PERFORM ASME SECTION XI REQUIRE TEST REVIEW
85-47-L0	07-02-85	08-01-85	FIRE WATCH PERFORMED LATE
85-53-L0	07-23-85	08-22-85	SPURIOUS ESF ACTUATION DUE TO RADIATION SIGNAL

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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: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>98,543.0</u>
13. Hours Reactor Critical	<u>453.9</u>	<u>1,485.2</u>	<u>63,768.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>453.9</u>	<u>1,229.6</u>	<u>61,786.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,477,464</u>	<u>3,553,608</u>	<u>181,973,609</u>
18. Gross Elec Ener (MWH)	<u>480,800</u>	<u>1,099,330</u>	<u>59,817,990</u>
19. Net Elec Ener (MWH)	<u>458,555</u>	<u>991,254</u>	<u>57,253,592</u>
20. Unit Service Factor	<u>63.0</u>	<u>18.8</u>	<u>62.7</u>
21. Unit Avail Factor	<u>63.0</u>	<u>18.8</u>	<u>62.7</u>
22. Unit Cap Factor (MDC Net)	<u>60.6</u>	<u>14.4</u>	<u>55.3</u>
23. Unit Cap Factor (DER Net)	<u>59.8</u>	<u>14.2</u>	<u>54.6</u>
24. Unit Forced Outage Rat%	<u>37.0</u>	<u>31.2</u>	<u>13.0</u>
25. Forced Outage Hours	<u>266.1</u>	<u>558.5</u>	<u>9,187.1</u>

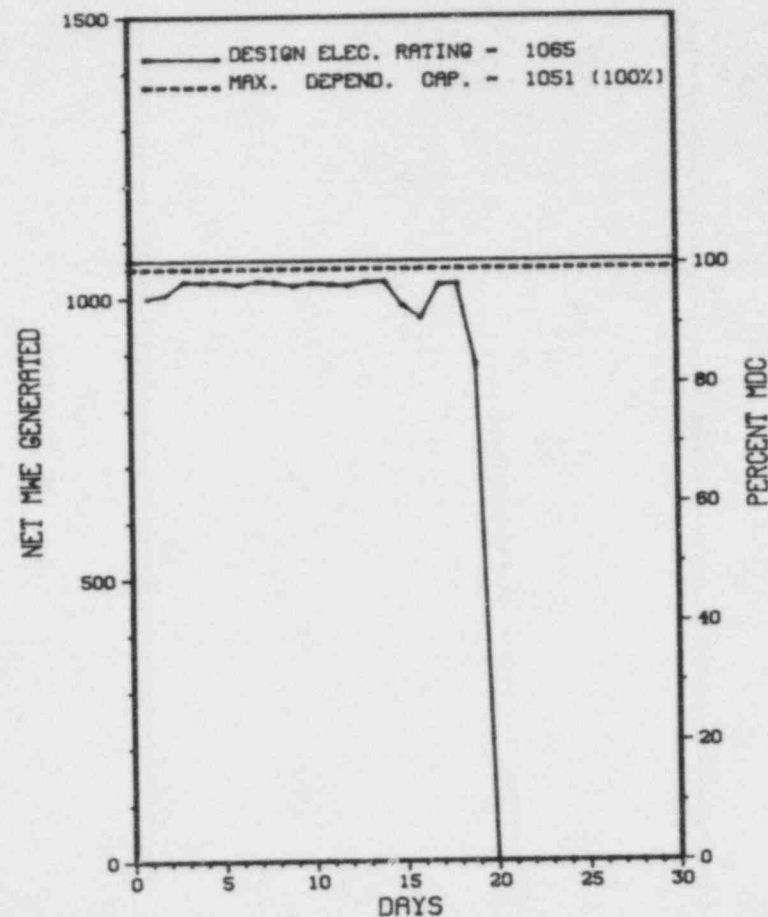
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 10/04/85

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
17	09/15/85	S	0.0	B	5		CB	PIPEXX	LOAD REDUCTION TO 945 MWE FOR MODIFICATION/TESTING (RECIRC. PIPE REPLACEMENT).
18	09/16/85	S	0.0	B	5		RC	ZZZZZZ	LOAD REDUCTION TO 800 MWE FOR ROD PATTERN ADJUSTMENT.
19	09/19/85	F	266.1	A	1	2-85-19	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).

* SUMMARY *

PEACH BOTTOM 2 INCURRED 3 SHUTDOWNS IN SEPTEMBER AS DESCRIBED ABOVE.

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

* PEACH BOTTOM 2 *

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

Report Period SEP 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

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):

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

MANAGERIAL ITEMS:

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NO INPUT PROVIDED.

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>94,439.0</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>-9,529</u>	<u>3,303,199</u>	<u>61,412,501</u>
20. Unit Service Factor	<u>.0</u>	<u>60.9</u>	<u>70.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>60.9</u>	<u>70.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>48.7</u>	<u>62.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>47.3</u>	<u>61.1</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):

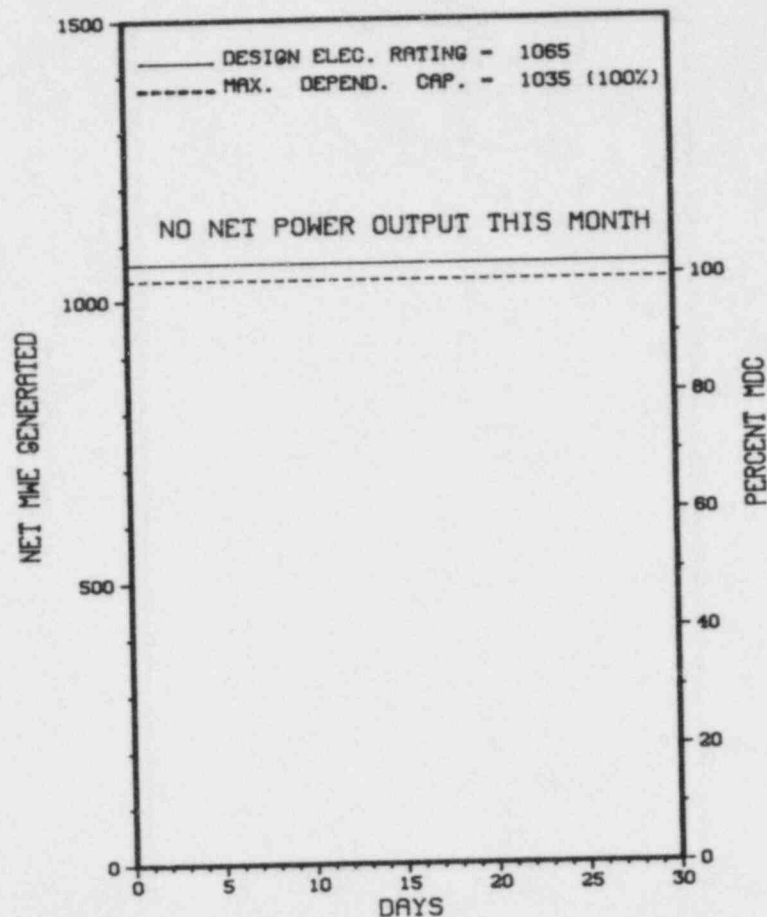
NONE

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

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	07/14/85	S	720.0	C	4		RC	FUELXX	SHUTDOWN FOR SIXTH REFUELING/MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

PEACH BOTTOM 3 REMAINS SHUT DOWN FOR REFUELING.

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)

* PEACH BOTTOM 3 *

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

Report Period SEP 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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: P. HAMILTON (617) 746-7900

4. Licensed Thermal Power (Mwt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

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

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>720.0</u>	<u>6,551.0</u>	<u>112,295.0</u>
13. Hours Reactor Critical	<u>592.5</u>	<u>5,950.0</u>	<u>75,854.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>561.5</u>	<u>5,805.8</u>	<u>73,361.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,051,080</u>	<u>10,751,760</u>	<u>128,183,736</u>
18. Gross Elec Ener (MWH)	<u>357,980</u>	<u>3,695,490</u>	<u>42,927,704</u>
19. Net Elec Ener (MWH)	<u>344,490</u>	<u>3,555,815</u>	<u>41,252,742</u>
20. Unit Service Factor	<u>78.0</u>	<u>88.6</u>	<u>65.3</u>
21. Unit Avail Factor	<u>78.0</u>	<u>88.6</u>	<u>65.3</u>
22. Unit Cap Factor (MDC Net)	<u>71.4</u>	<u>81.4</u>	<u>54.8</u>
23. Unit Cap Factor (DER Net)	<u>73.0</u>	<u>82.9</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>22.0</u>	<u>10.8</u>	<u>9.3</u>
25. Forced Outage Hours	<u>158.5</u>	<u>701.7</u>	<u>7,544.2</u>

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

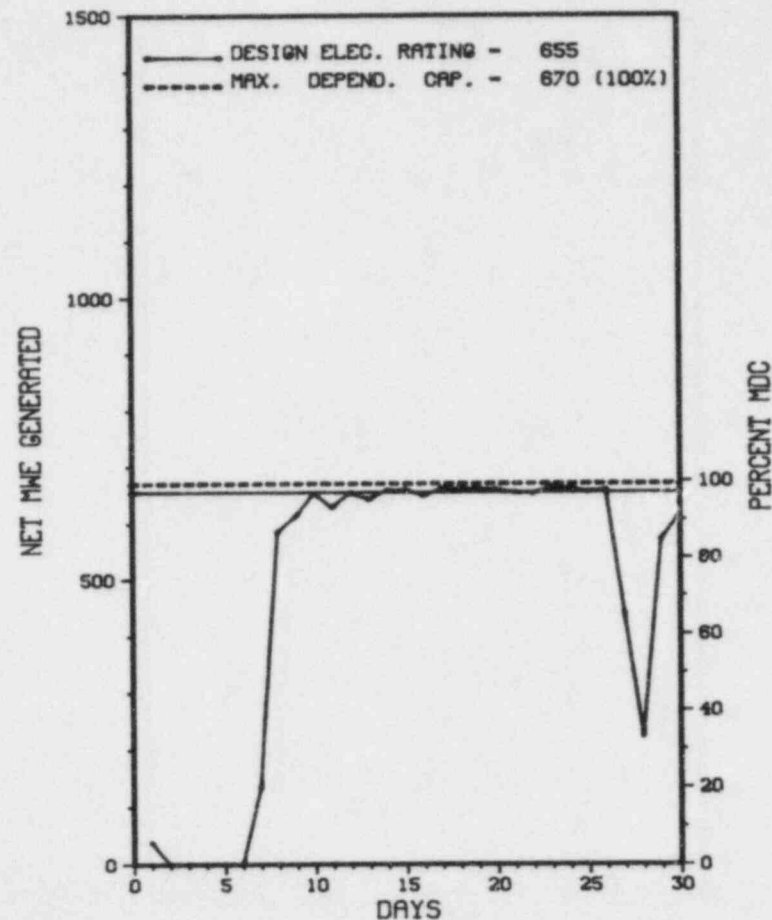
NONE

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

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	09/01/85	F	151.0	H	3	85-025	ZZ	ZZZZZZ	SCRAM ON LOAD REJECT DUE TO SALT ON INSULATORS FROM STORM.
19	09/28/85	F	7.5	H	1		ZZ	ZZZZZZ	TOOK UNIT OFF-LINE DUE TO HURRICANE GLORIA.

 * 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)

* PILGRIM 1 *

FACILITY DATA

Report Period SEP 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....PLYMOUTH
DIST AND DIRECTION FROM
NEAREST POPULATION P.K. .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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED, THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF APPENDIX 'A' OF REGULATORY GUIDE 1.33, 1972. THIS REGULATORY GUIDE RECOMMENDS, IN PART, THAT PROCEDURES FOR PROCEDURE REVIEW AND APPROVAL BE PREPARED. STATION APPROVED PROCEDURE 1.3.4, "PROCEDURES," REQUIRES IN SECTION III.A THAT APPROVED WRITTEN PROCEDURES BE ADHERED TO BY ALL STATION PERSONNEL. (1) PROCEDURE 1.3.4, REV 27, SPECIFIES, IN PART, IN SECTION C.3, THAT THE OPERATIONS REVIEW COMMITTEE (ORC) INDICATE ITS APPROVAL OF A PROCEDURE TO BE INCLUDED IN CATEGORY THREE GROUP PROCEDURES. CONTRARY TO THE ABOVE, AS OF MAY 23, 1985, TWO PROCEDURES, FP-OP-007-442 AND FP-OP-008-442, USED TO PROVIDE GUIDANCE FOR CUTTING OF CONTROL ROD BLOCKS AND LPRMS, WERE NOT PRESENTED TO ORC FOR APPROVAL AS CATEGORY THREE PROCEDURES. AS A RESULT, THE ORC DID NOT INDICATE ITS APPROVAL OF THE PROCEDURES FOR USE AS CATEGORY THREE PROCEDURES. (2) PROCEDURE NO. 3.M.1-19, REV. 1, "SPENT FUEL POOL CLEANING," SPECIFIES IN SECTION IV, THAT THE OBTAINING OF A VALID MAINTENANCE REQUEST (MR) IS A PREREQUISITE FOR PROCEDURE USE. CONTRARY TO THE ABOVE, AS OF MAY 23, 1985, PROCEDURE NO. 3.M.1-19 WAS USED TO PROVIDE GENERAL GUIDANCE FOR CUTTING OF CONTROL ROD BLADES AND LPRMS IN THE SPENT FUEL POOL AND NO VALID MAINTENANCE REQUEST WAS IN EFFECT.
(8501 5)

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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1. Docket: 50-266 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>6,551.0</u>	<u>130,631.0</u>
13. Hours Reactor Critical	<u>719.8</u>	<u>4,765.4</u>	<u>105,264.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>4.7</u>	<u>634.4</u>
15. Hrs Generator On-Line	<u>716.7</u>	<u>4,710.3</u>	<u>102,697.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.5</u>	<u>804.0</u>
17. Gross Therm Ener (MWH)	<u>1,043,042</u>	<u>6,884,163</u>	<u>139,833,140</u>
18. Gross Elec Ener (MWH)	<u>355,620</u>	<u>2,361,760</u>	<u>47,007,000</u>
19. Net Elec Ener (MWH)	<u>339,861</u>	<u>2,257,285</u>	<u>44,734,375</u>
20. Unit Service Factor	<u>99.5</u>	<u>71.9</u>	<u>78.6</u>
21. Unit Avail Factor	<u>99.5</u>	<u>71.9</u>	<u>79.2</u>
22. Unit Cap Factor (MDC Net)	<u>97.3</u>	<u>71.0</u>	<u>70.1*</u>
23. Unit Cap Factor (DER Net)	<u>95.0</u>	<u>69.3</u>	<u>68.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.2</u>	<u>2.5</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):

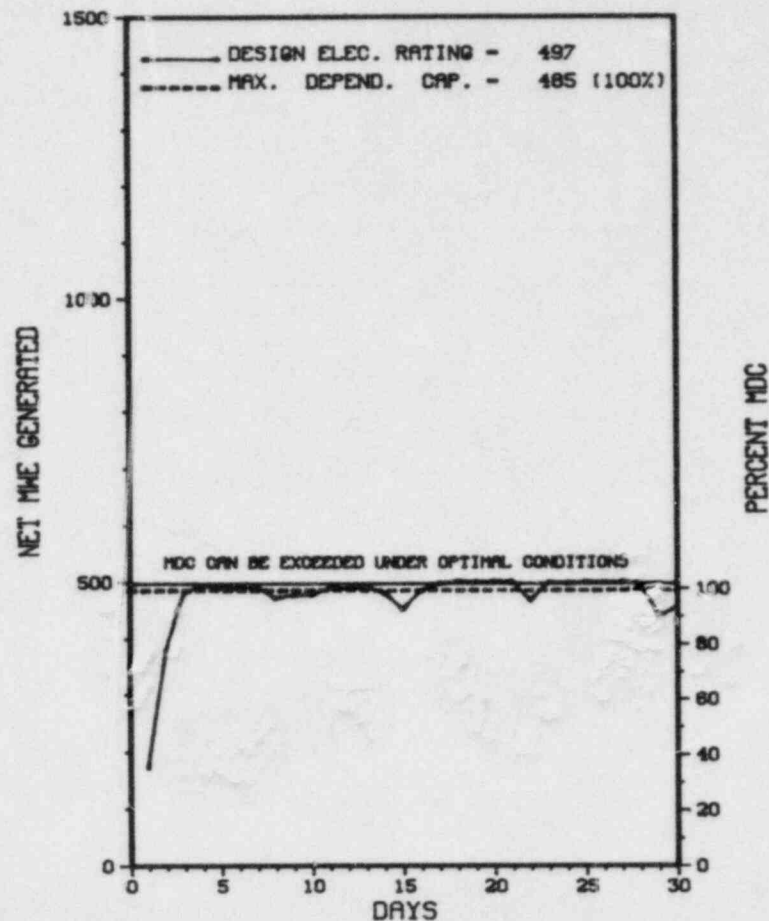
NONE

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

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	08/31/85	S	3.3	B	1		IB	IXMITR	UNIT SHUT DOWN TO REPLACE FAILED POWER RANGE DETECTOR.

* SUMMARY *

POINT BEACH 1 OPERATED ROUTINELY IN SEPTEMBER.

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)

* POINT BEACH 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION ON JUNE 6 - JULY 31 (85010): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; START-UP TESTING - REFUELING; PLANT TRIPS; SPENT FUEL PIT ACTIVITIES; LICENSEE EVENT REPORT FOLLOW-UP; AND TMI STATUS UPDATE. THE INSPECTION INVOLVED A TOTAL OF 348 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 52 INSPECTOR-HOURS ON OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 26 AND 27 (85016): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON 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 14 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.201(B) REQUIRES THAT EACH LICENSEE MAKE SUCH SURVEYS AS MAY BE NECESSARY TO COMPLY WITH ALL SECTIONS OF PART 20. AS DEFINED IN 10 CFR 20.201(A), "SURVEY" MEANS AN EVALUATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CONDITIONS. CONTRARY TO THE ABOVE, AS OF THE DAY OF THE INSPECTION THE LICENSEE FAILED TO MAKE SUCH SURVEYS AS WERE NECESSARY TO (1) DETERMINE THAT INDIVIDUALS ENTERING CONTAINMENT WERE NOT EXPOSED TO AIRBORNE CONCENTRATIONS EXCEEDING THE LIMITS SPECIFIED 10 CFR 20.103, "EXPOSURE OF INDIVIDUALS TO CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AN UNRESTRICTED AREA" AND (2) ASSURE COMPLIANCE WITH 10 CFR

INSPECTION STATUS - (CONTINUED)

PAGE 2-281

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>6,551.0</u>	<u>115,416.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,551.0</u>	<u>102,523.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>207.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,551.0</u>	<u>100,800.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>198.1</u>
17. Gross Therm Ener (MWH)	<u>1,090,774</u>	<u>9,856,338</u>	<u>141,609,310</u>
18. Gross Elec Ener (MWH)	<u>367,900</u>	<u>3,351,950</u>	<u>47,992,090</u>
19. Net Elec Ener (MWH)	<u>351,397</u>	<u>3,204,531</u>	<u>45,722,169</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>87.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>87.6</u>
22. Unit Cap Factor (MDC Net)	<u>100.6</u>	<u>100.9</u>	<u>80.7*</u>
23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>98.4</u>	<u>79.7</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):

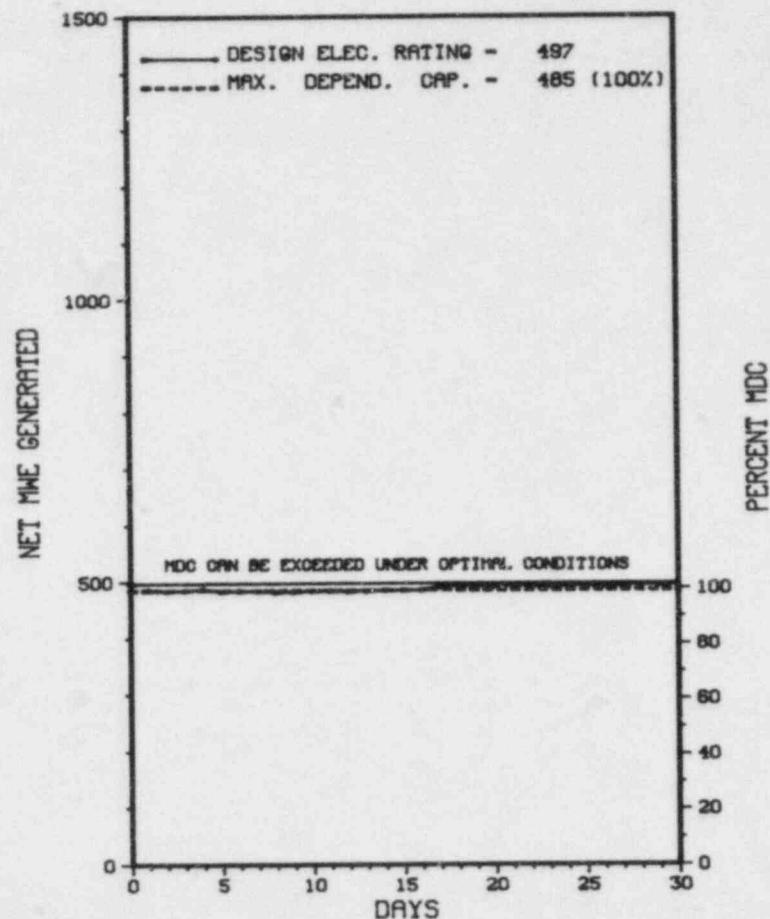
REFUELING: OCTOBER 4, 1985; SEVEN WEEKS

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

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

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

NONE

* SUMMARY *

POINT BEACH 2 OPERATED ROUTINELY IN SEPTEMBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

* POINT BEACH 2 *

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 6 - JULY 31 (85010): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; START-UP TESTING - REFUELING; PLANT TRIPS; SPENT FUEL PIT ACTIVITIES; LICENSEE EVENT REPORT FOLLOW-UP; AND TMI STATUS UPDATE. THE INSPECTION INVOLVED A TOTAL OF 348 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 52 INSPECTOR-HOURS ON OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 26 AND 27 (85016): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON 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 14 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period SEP 1985

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

* POINT BEACH 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN A SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 28 - NOVEMBER 1, 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

NONE			
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 1650

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

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 534

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>103,367.0</u>
13. Hours Reactor Critical	<u>716.1</u>	<u>5,154.2</u>	<u>85,148.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>705.8</u>	<u>5,125.6</u>	<u>83,793.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,154,150</u>	<u>8,159,452</u>	<u>131,758,710</u>
18. Gross Elec Ener (MWH)	<u>386,100</u>	<u>2,688,590</u>	<u>42,980,690</u>
19. Net Elec Ener (MWH)	<u>362,479</u>	<u>2,520,190</u>	<u>40,271,008</u>
20. Unit Service Factor	<u>98.0</u>	<u>78.2</u>	<u>81.1</u>
21. Unit Avail Factor	<u>98.0</u>	<u>78.2</u>	<u>81.1</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>76.5</u>	<u>77.5</u>
23. Unit Cap Factor (DER Net)	<u>95.0</u>	<u>72.6</u>	<u>73.5</u>
24. Unit Forced Outage Rate	<u>2.0</u>	<u>.8</u>	<u>7.8</u>
25. Forced Outage Hours	<u>14.2</u>	<u>43.6</u>	<u>3,390.7</u>

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

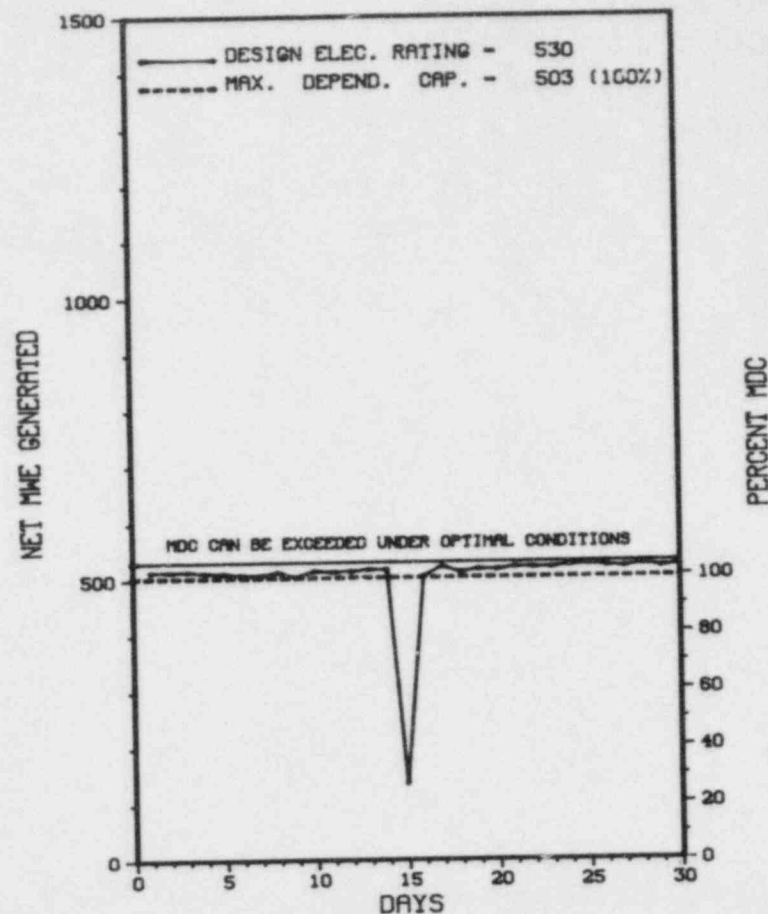
REFUELING OUTAGE IN MARCH 1986.

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reasor	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/15/85	F	14.2	A	3	85-012	EL	XXXXXX	THE UNIT TRIPPED ON GENERATOR LOSS OF EXCITATION.
	09/15/85	S	0.0	B	5			TURBIN	TURBINE OVERSPEED TRIP TEST.

 * SUMMARY *

 PRAIRIE ISLAND 1 OPERATED ROUTINELY IN SEPTEMBER.

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

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period SEP 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 55401

CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HARD

LICENSING PROJ MANAGER....D. DIANNI
DOCKET NUMBER.....50-282

LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974

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MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON JUNE 9 THROUGH AUGUST 10 (85014): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, FACILITY MODIFICATIONS, MEETINGS WITH CORPORATE MANAGEMENT, APPENDIX R WORK, AND FOLLOWUP OF LICENSEE EVENT REPORTS. IN ADDITION, THIS REPORT DOCUMENTS THE CLOSURE OF A CONFIRMATORY ACTION LETTER PERTAINING TO OPERATOR QUALIFICATION EXAMINATIONS. THE INSPECTION INVOLVED A TOTAL OF 273 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 25 HOURS ONSITE DURING OFF-SHIFTS. ONE VIOLATION WAS IDENTIFIED IN THE EIGHT AREAS INSPECTED. THE VIOLATION INVOLVED AN ANNUNCIATOR ALARM RESPONSE PROCEDURE WHICH WAS INCOMPLETE. IN ADDITION TWO QA AUDIT FINDINGS AND THREE PLANT EVENTS DIRECTLY RELATED TO FACILITY MODIFICATIONS ARE LISTED AS EXAMPLES OF ITEMS OF SAFETY CONCERN TO THE RESIDENT INSPECTORS. CLOSE INSPECTOR FOLLOWUP IN THIS AREA IS PLANNED.

INSPECTION ON JUNE 25 THROUGH AUGUST 30 (85015): ROUTINE, ANNOUNCED INSPECTION OF THE REQUALIFICATION PROGRAM FOR PIPING SYSTEM SNUBBERS AND OF THE LARGE CAPACITY SNUBBERS INSTALLED ON THE STEAM GENERATORS. THE INSPECTION INVOLVED A TOTAL OF 70 INSPECTOR-HOURS ONSITE AND AT THE A-E'S OFFICE BY ONE NRC INSPECTOR. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION ON IDENTIFIED STEAM GENERATOR SNUBBER (SGS) DEFICIENCIES; FAILURE TO SUBMIT LERS ON SGS DEFICIENCIES, INCREASED LOADING CONDITIONS AND MODIFICATIONS).

Report Period SEP 1985

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

* PRAIRIE ISLAND 1 *

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.5.A.3 REQUIRES, IN PART, THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED COVERING ACTIONS TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL OR ACTUAL MALFUNCTION OF SYSTEMS OR COMPONENTS INCLUDING RESPONSES TO ALARMS. CONTRARY TO THE ABOVE, A COMPLETE ALARM RESPONSE PROCEDURE FOR ANNUNCIATOR LOCATION 47501-501 WAS NOT AVAILABLE IN THE CONTROL ROOM FROM AUGUST 23, 1984 TO JUNE 24, 1985. TECHNICAL SPECIFICATION 6.5.A.3 REQUIRES, IN PART, THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED COVERING ACTIONS TO BE TAKEN TO CORRECT SPECIFIC AND FORESEEN POTENTIAL OR ACTUAL MALFUNCTION OF SYSTEMS OR COMPONENTS INCLUDING RESPONSES TO ALARMS. CONTRARY TO THE ABOVE, A COMPLETE ALARM RESPONSE PROCEDURE FOR ANNUNCIATOR LOCATION 47501-501 WAS NOT AVAILABLE IN THE CONTROL ROOM FROM AUGUST 23, 1984 TO JUNE 24, 1985.
(8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 13 - DECEMBER 7, 1985

INSPECTION REPORT NO: 85022

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
85-11	08/01/85	09/03/85	INOPERABILITY OF DIESEL GENERATOR SUPPORT SYSTEMS

=====

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 1650

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

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>94,485.0</u>
13. Hours Reactor Critical	<u>120.2</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>120.1</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>112,368</u>	<u>9,204,671</u>	<u>127,364,903</u>
18. Gross Elec Ener (MWh)	<u>35,350</u>	<u>3,044,440</u>	<u>41,281,340</u>
19. Net Elec Ener (MWh)	<u>30,834</u>	<u>2,871,946</u>	<u>38,752,785</u>
20. Unit Service Factor	<u>16.7</u>	<u>90.8</u>	<u>85.8</u>
21. Unit Avail Factor	<u>16.7</u>	<u>90.8</u>	<u>85.8</u>
22. Unit Cap Factor (MDC Net)	<u>8.6</u>	<u>87.7</u>	<u>82.0</u>
23. Unit Cap Factor (DER Net)	<u>8.1</u>	<u>82.7</u>	<u>77.4</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):

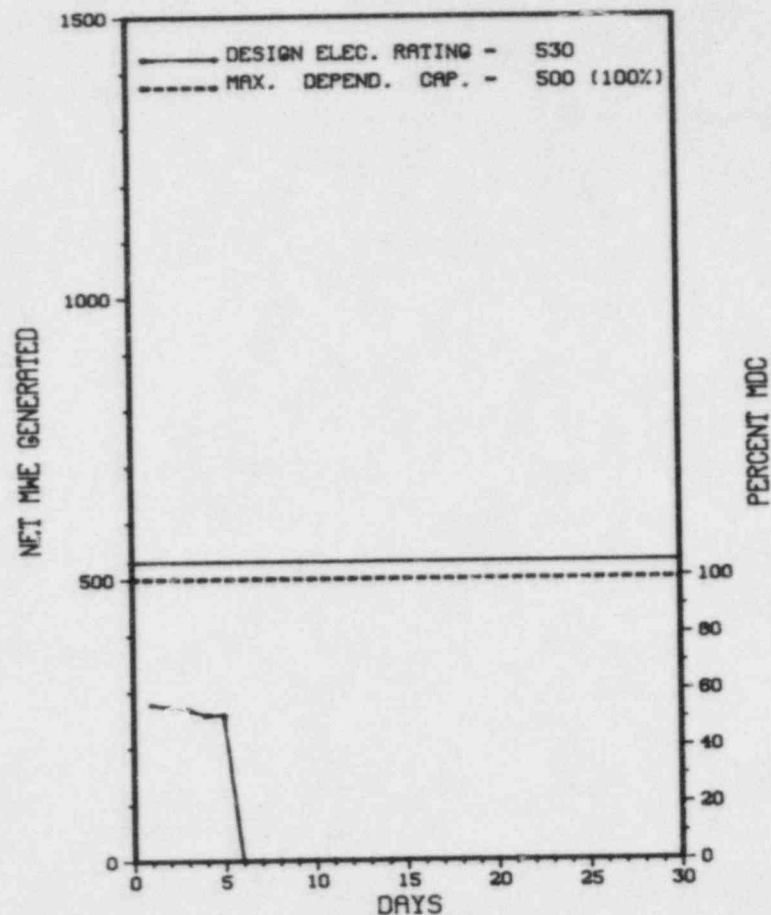
NONE

27. If Currently Shutdown Estimated Startup Date: 10/23/85

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



SEPTEMBER 1985

Report Period SEP 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	599.9	C	1		RC	FUELXX	THE UNIT WAS TAKEN OFF-LINE FOR TEN YEAR ISI AND REFUELING OUTAGE.
	09/06/85	S	0.0	B	5			TURBIN	TURBINE OVERSPEED TRIP TEST.

***** PRAIRIE ISLAND 2 BEGAN A REFUELING, INSPECTION, MAINTENANCE OUTAGE ON SEPTEMBER 6TH.

* 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 2 *

FACILITY DATA

Report Period SEP 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
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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 9 THROUGH AUGUST 10 (85011): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, FACILITY MODIFICATIONS, MEETINGS WITH CORPORATE MANAGEMENT, APPENDIX R WORK, AND FOLLOWUP OF LICENSEE EVENT REPORTS. IN ADDITION, THIS REPORT DOCUMENTS THE CLOSURE OF A CONFIRMATORY ACTION LETTER PERTAINING TO OPERATOR QUALIFICATION EXAMINATIONS. THE INSPECTION INVOLVED A TOTAL OF 273 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 25 HOURS ONSITE DURING OFF-SHIFTS. ONE VIOLATION WAS IDENTIFIED IN THE EIGHT AREAS INSPECTED. THE VIOLATION INVOLVED AN ANNUNCIATOR ALARM RESPONSE PROCEDURE WHICH WAS INCOMPLETE. IN ADDITION TWO QA AUDIT FINDINGS AND THREE PLANT EVENTS DIRECTLY RELATED TO FACILITY MODIFICATIONS ARE LISTED AS EXAMPLES OF ITEMS OF SAFETY CONCERN TO THE RESIDENT INSPECTORS. CLOSE INSPECTOR FOLLOWUP IN THIS AREA IS PLANNED.

INSPECTION ON JUNE 25 THROUGH AUGUST 30 (85012): ROUTINE, ANNOUNCED INSPECTION OF THE REQUALIFICATION PROGRAM FOR PIPING SYSTEM SNUBBERS AND OF THE LARGE CAPACITY SNUBBERS INSTALLED ON THE STEAM GENERATORS. THE INSPECTION INVOLVED A TOTAL OF 70 INSPECTOR-HOURS ONSITE AND AT THE A-E'S OFFICE BY ONE NRC INSPECTOR. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION ON IDENTIFIED STEAM GENERATOR SNUBBER (SGS) DEFICIENCIES; FAILURE TO SUBMIT LERS ON SGS DEFICIENCIES, INCREASED LOADING CONDITIONS AND MODIFICATIONS).

Report Period SEP 1985

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

* PRAIRIE ISLAND 2 *

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 A SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 13 - DECEMBER 7, 1985

INSPECTION REPORT NO: 85020

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

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
-----
85-03     08/08/85   09/04/85   SURVEILLANCE TEST ON TURBINE OVERSPEED TRIP DONE LATE
=====
```


1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>117,359.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,302.0</u>	<u>94,624.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,244.4</u>	<u>91,278.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,682,638</u>	<u>14,671,459</u>	<u>190,417,849</u>
18. Gross Elec Ener (MWH)	<u>551,130</u>	<u>4,829,920</u>	<u>61,607,483</u>
19. Net Elec Ener (MWH)	<u>527,941</u>	<u>4,624,050</u>	<u>57,579,045</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.3</u>	<u>77.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.3</u>	<u>78.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.4</u>	<u>91.8</u>	<u>63.8</u>
23. Unit Cap Factor (DER Net)	<u>92.9</u>	<u>89.5</u>	<u>62.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>5.7</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):

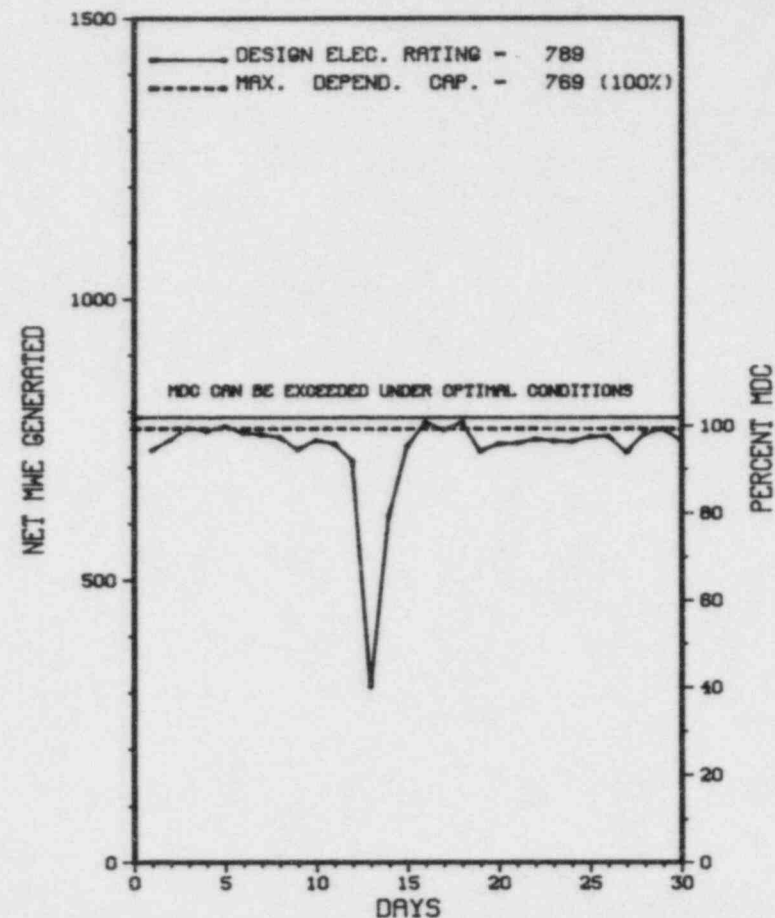
NONE

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

* QUAD CITIES 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-49	09/01/85	S	0.0	B	5		CD	VALVEX	REDUCED LOAD TO 700 MWE FOR MSIV SURVEILLANCE.
85-50	09/11/85	S	0.0	H	5		ZZ	ZZZZZZ	REDUCED LOAD TO 600 MWE PER LOAD DISPATCHER.
85-51	09/12/85	S	0.0	H	5		ZZ	ZZZZZZ	REDUCED LOAD TO 600 MWE PER LOAD DISPATCHER.
85-52	09/13/85	S	0.0	B	5		RB	CONROD	REDUCED LOAD TO 200 MWE FOR REQUIRED SCRAM TIMING.
85-53	09/18/85	S	0.0	B	5		CH	PUMPXX	REDUCED LOAD TO 700 MWE FOR A FEEDWATER PUMP SWAP.
85-54	09/19/85	S	0.0	B	5		CH	PUMPXX	REDUCED LOAD TO 700 MWE FOR A FEEDWATER PUMP SWAP.
85-55	09/28/85	S	0.0	B	5		RC	CONROD	REDUCED LOAD TO 700 MWE FOR A CONTROL ROD PATTERN ADJUSTMENT.

 * SUMMARY *

QUAD CITIES 1 OPERATED ROUTINELY IN SEPTEMBER WITH NO OUTAGES AND SEVERAL 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)

 * QUAD CITIES 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 26-28 (85015): ROUTINE, ANNOUNCED INSPECTION OF THE QUAD CITIES STATION EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 185 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. EXERCISE WEAKNESSES WHICH REQUIRE A WRITTEN RESPONSE ARE IDENTIFIED IN THE REPORT AND IN THE APPENDIX TO THE REPORT'S TRANSMITTAL LETTER.

INSPECTION ON JUNE 1 THROUGH JULY 31 (85017): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF ACTIONS ON PREVIOUS INSPECTIONS FINDINGS; OPERATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE/MODIFICATIONS; SURVEILLANCE; HOUSEKEEPING PROCEDURES; FIRE PROTECTION; EMERGENCY PREPAREDNESS; SECURITY; QUALITY ASSURANCE; QUALITY CONTROL; ADMINISTRATION; ROUTINE REPORTS; LER REVIEW; TMI ITEMS; REVIEW AND AUDITS INCLUDING SITE REVIEW COMMITTEE; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT PROGRAM; SPENT FUEL POOL ACTIVITIES; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 391 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, INCLUDING 80 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. TWO VIOLATIONS WERE IDENTIFIED. THE FIRST INVOLVED INADEQUATE SHIFT TURNOVER AND THE SECOND LACK OF PROPER PROTECTIVE COVERS FOR SAFETY RELATED ITEMS IN STORAGE. ADDITIONALLY, AN ITEM OF CONCERN RELATING TO SAFETY SYSTEM CHALLENGES WAS IDENTIFIED IN THE MAINTENANCE AREA. OVERALL, THE LICENSEE'S PERFORMANCE HAS REMAINED STEADY.

INSPECTION ON AUGUST 26-29 (85025; 85028): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S SOLID RADWASTE MANAGEMENT AND TRANSPORTATION PROGRAMS. ALSO REVIEWED WERE OPEN ITEMS, LICENSEE ACTIONS IN RESPONSE TO SELECTED IE INFORMATION NOTICES, A CONDENSATE STORAGE TANK LEAK, AND FOLLOWUP OF ALLEGATIONS. THE INSPECTION INVOLVED 30 INSPECTOR-HOURS ONSITE BY ONE NRC

INSPECTION SUMMARY

INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION SECTION 6.2 REQUIRES THAT DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS SHALL BE PREPARED, APPROVED AND ADHERED TO FOR NORMAL OPERATION OF THE REACTOR. QAP 300-7: "SHIFT CHANGE FOR NUCLEAR STATION OPERATORS," REQUIRES THAT BOTH THE OFFGOING AND ONCOMING OPERATORS CHECK THE CONTROL ROOM PANELS PURSUANT TO QOS 005-2: "NORMAL CONTROL ROOM INSPECTION AND SHIFT TURNOVER PANEL CHECK". FURTHER, QOS 005-2 REQUIRES THE HIGH PRESSURE COOLANT INJECTION (HPCI) SYSTEM FLOW CONTROLLER TO BE IN THE AUTOMATIC POSITION. CONTRARY TO THE ABOVE, ON JULY 11, 1985, AN INADEQUATE SHIFT TURNOVER WAS PERFORMED BY BOTH THE OFFGOING AND ONCOMING UNIT 2 OPERATORS RESULTING IN THE HPCI FLOW CONTROLLER BEING LEFT IN THE MANUAL POSITION FOR A PERIOD OF APPROXIMATELY EIGHT HOURS.

(8501 4)

10 CFR 50.54(Q) STATES IN PART THAT "A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) TO THIS PART." 10 CFR 50.47(B)(15) STATES IN PART THAT "THE ONSITE EMERGENCY RESPONSE PLANS FOR NUCLEAR POWER REACTORS MUST MEET THE FOLLOWING STANDARDS: RADIOLOGICAL EMERGENCY RESPONSE TRAINING IS PROVIDED TO THOSE WHO MAY BE CALLED ON TO ASSIST IN AN EMERGENCY." SECTION 8.2 OF THE LICENSEE'S GENERATING STATIONS EMERGENCY PLAN STATES IN PART THAT "THE PROFICIENCY OF EMERGENCY PERSONNEL IS ENSURED BY THE INITIAL AND ANNUAL RETRAINING OF EMERGENCY PERSONNEL ON APPLICABLE GENERIC AND SITE PORTIONS OF THE GSEP AND CORRESPONDING EMERGENCY PLAN IMPLEMENTING PROCEDURES." CONTRARY TO THE ABOVE, A REVIEW OF THE LICENSEE'S TRAINING RECORDS DETERMINED THAT TWO INDIVIDUALS ASSIGNED TO THE MAINTENANCE DIRECTORS STAFF LISTING HAD NOT RECEIVED THE REQUIRED RADIOLOGICAL EMERGENCY RESPONSE TRAINING. 10 CFR 50 APPENDIX B, CRITERION XIII REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO CONTROL THE HANDLING, STORAGE, SHIPPING, CLEANING, AND PRESERVATION OF MATERIALS AND EQUIPMENT IMPORTANT TO SAFETY. QAP 600-13: LEVELS OF STORAGE AND INSPECTION CRITERIAL, SECTION C.3.B REQUIRES THAT OPENINGS IN SAFETY-RELATED VALVES BE CAPPED, PLUGGED OR SEALED. CONTRARY TO THE ABOVE, THE INSPECTORS FOUND TWO SAFETY-RELATED CHECK VALVES IN THE STATION WAREHOUSE WITHOUT THE REQUIRED PROTECTIVE COVERS ON THE FLANGES.

(8501 5)

TECHNICAL SPECIFICATION 3.2.G.2 STATES THAT...WITH ONE OR MORE RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTS INOPERABLE, TAKE THE ACTION SHOWN IN TABLE 3.2-5. ACTION A, FOR SERVICE WATER EFFLUENT GROSS ACTIVITY MONITOR, IN TABLE 3.2-5 STATES THAT...WITH LESS THAN THE MINIMUM NUMBER OF OPERABLE CHANNELS, RELEASES VIA THIS PATHWAY MAY CONTINUE, PROVIDED THAT AT LEAST ONCE PER 12 HOURS GRAB SAMPLES ARE COLLECTED AND ANALYZED FOR BETA OR GAMMA ACTIVITY AT AN LLD OF LESS THAN OR EQUAL TO 10-7 UCI/ML. CONTRARY TO THE ABOVE, THE 12 HOUR GRAB SAMPLES FROM BOTH UNIT 1 AND UNIT 2 SERVICE WATER, REQUIRED ABOUT 8:00 P.M. ON JUNE 13, 1985, WERE NOT COLLECTED AND ANALYZED (THE SERVICE WATER MONITORS FOR BOTH UNIT 1 AND UNIT 2 HAVE REMAINED INOPERABLE SINCE DECEMBER 19, 1984).

(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period SEP 1985

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

* QUAD CITIES 1 *

OTHER ITEMS

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: 85028

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

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=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
-----
85-15      08/30/85    09/18/85    REACTOR CORE ISOLATION COOLING INOPERABLE DUE TO FAILED OVERSPEED METER
=====
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1. Docket: 50-265 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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

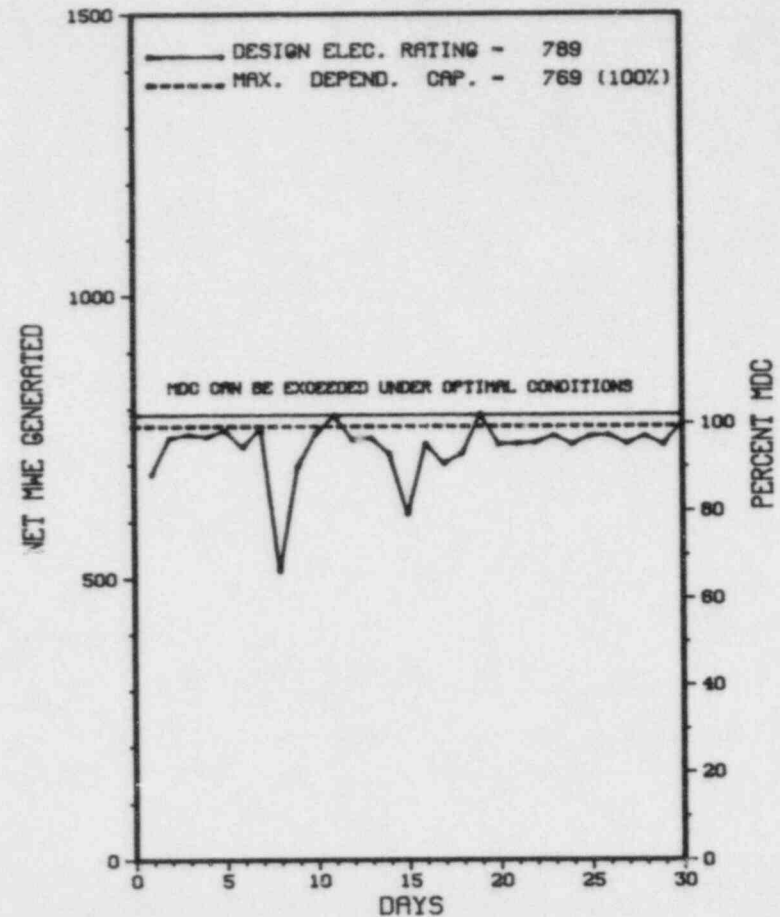
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>116,469.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,439.9</u>	<u>89,346.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,367.9</u>	<u>86,417.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,685,565</u>	<u>10,130,868</u>	<u>181,649,935</u>
18. Gross Elec Ener (MWH)	<u>550,405</u>	<u>3,293,896</u>	<u>57,947,285</u>
19. Net Elec Ener (MWH)	<u>527,434</u>	<u>3,150,225</u>	<u>54,469,024</u>
20. Unit Service Factor	<u>100.0</u>	<u>66.7</u>	<u>74.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>66.7</u>	<u>74.8</u>
22. Unit Cap Factor (MDC Net)	<u>95.3</u>	<u>62.5</u>	<u>60.8</u>
23. Unit Cap Factor (DER Net)	<u>92.8</u>	<u>60.9</u>	<u>59.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.2</u>	<u>8.2</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: <u>N/A</u>			

* QUAD CITIES 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
QUAD CITIES 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-39	09/01/85	S	0.0	B	5		CD	VALVEX	REDUCED LOAD TO 400 MWE FOR MSIV SURVEILLANCE (LOAD DROP WAS TERMINATED AT 575 MWE DUE TO 2A FEEDWATER REGULATION VALVE FAILURE).
85-40	09/08/85	S	0.0	B	5		CD	VALVEX	REDUCED LOAD TO 600 MWE FOR MSIV SURVEILLANCE.
85-41	09/08/85	F	0.0	B	5		CD	VALVEX	REDUCED LOAD TO 280 MWE TO REPAIR MSIV'S.
85-42	09/15/85	S	0.0	H	5		ZZ	ZZZZZZ	REDUCED LOAD TO 500 MWE PER LOAD DISPATCHER.
85-43	09/16/85	S	0.0	H	5		ZZ	ZZZZZZ	REDUCED LOAD TO 600 MWE PER LOAD DISPATCHER.

 * SUMMARY *

 QUAD CITIES 2 INCURRED NO SHUTDOWNS AND 5 POWER REDUCTIONS IN SEPTEMBER.

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)

* QUAD CITIES 2 *

FACILITY DATA

Report Period SEP 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 ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-265
LICENSE & DATE ISSUANCE...DPR-30, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 26-28 (85017): ROUTINE, ANNOUNCED INSPECTION OF THE QUAD CITIES STATION EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 185 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. EXERCISE WEAKNESSES WHICH REQUIRE A WRITTEN RESPONSE ARE IDENTIFIED IN THE REPORT AND IN THE APPENDIX TO THE REPORT'S TRANSMITTAL LETTER.

INSPECTION ON JUNE 1 THROUGH JULY 31 (85019): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF ACTIONS ON PREVIOUS INSPECTIONS FINDINGS; OPERATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE/MODIFICATIONS; SURVEILLANCE; HOUSEKEEPING PROCEDURES; FIRE PROTECTION; EMERGENCY PREPAREDNESS; SECURITY; QUALITY ASSURANCE; QUALITY CONTROL; ADMINISTRATION; ROUTINE REPORTS; LER REVIEW; TMI ITEMS; REVIEW AND AUDITS INCLUDING SITE REVIEW COMMITTEE; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT PROGRAM; SPENT FUEL POOL ACTIVITIES; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 391 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, INCLUDING 80 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. TWO VIOLATIONS WERE IDENTIFIED. THE FIRST INVOLVED INADEQUATE SHIFT TURNOVER AND THE SECOND LACK OF PROPER PROTECTIVE COVERS FOR SAFETY RELATED ITEMS IN STORAGE. ADDITIONALLY, AN ITEM OF CONCERN RELATING TO SAFETY SYSTEM CHALLENGES WAS IDENTIFIED IN THE MAINTENANCE AREA. OVERALL, THE LICENSEE'S PERFORMANCE HAS REMAINED STEADY.

INSPECTION ON AUGUST 26-29 (85025; 85028): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S SOLID RADWASTE MANAGEMENT AND TRANSPORTATION PROGRAMS. ALSO REVIEWED WERE OPEN ITEMS, LICENSEE ACTIONS IN RESPONSE TO SELECTED IE INFORMATION NOTICES, A CONDENSATE STORAGE TANK LEAK, AND FOLLOWUP OF ALLEGATIONS. THE INSPECTION INVOLVED 30 INSPECTOR-HOURS ONSITE BY ONE NRC

INSPECTION SUMMARY

INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.54(Q) STATES IN PART THAT "A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) TO THIS PART." 10 CFR 50.47(B)(15) STATES IN PART THAT "THE ONSITE EMERGENCY RESPONSE PLANS FOR NUCLEAR POWER REACTORS MUST MEET THE FOLLOWING STANDARDS: RADIOLOGICAL EMERGENCY RESPONSE TRAINING IS PROVIDED TO THOSE WHO MAY BE CALLED ON TO ASSIST IN AN EMERGENCY." SECTION 8.2 OF THE LICENSEE'S GENERATING STATIONS EMERGENCY PLAN STATES IN PART THAT "THE PROFICIENCY OF EMERGENCY PERSONNEL IS ENSURED BY THE INITIAL AND ANNUAL RETRAINING OF EMERGENCY PERSONNEL ON APPLICABLE GENERIC AND SITE PORTIONS OF THE GSEP AND CORRESPONDING EMERGENCY PLAN IMPLEMENTING PROCEDURES." CONTRARY TO THE ABOVE, A REVIEW OF THE LICENSEE'S TRAINING RECORDS DETERMINED THAT TWO INDIVIDUALS ASSIGNED TO THE MAINTENANCE DIRECTORS STAFF LISTING HAD NOT RECEIVED THE REQUIRED RADIOLOGICAL EMERGENCY RESPONSE TRAINING. 10 CFR 50 APPENDIX B, CRITERION XIII REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO CONTROL THE HANDLING, STORAGE, SHIPPING, CLEANING, AND PRESERVATION OF MATERIALS AND EQUIPMENT IMPORTANT TO SAFETY. QAP 600-13. LEVELS OF STORAGE AND INSPECTION CRITERIAL, SECTION C.3.B REQUIRES THAT OPENINGS IN SAFETY-RELATED VALVES BE CAPPED, PLUGGED OR SEALED. CONTRARY TO THE ABOVE, THE INSPECTORS FOUND TWO SAFETY-RELATED CHECK VALVES IN THE STATION WAREHOUSE WITHOUT THE REQUIRED PROTECTIVE COVERS ON THE FLANGES.

(8501 5)

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE CECO QUALITY ASSURANCE MANUAL (Q.R. NO. 5.0 AND Q.P. NO. 5-51), STATES, IN PART, THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY APPROPRIATE WRITTEN PROCEDURES. CONTRARY TO THIS, A NUMBER OF PROCEDURES WERE IDENTIFIED IN WHICH THE INSTRUCTIONS OR THE DATA SHEETS WERE INAPPROPRIATE FOR PERFORMING THE REQUIRED TEST. A. PROCEDURE QTS 1512-1, "NUCLEAR ENGINEER'S METHOD FOR APRM CALIBRATION," REQUIRED FORM QTS 1512-S1 TO BE COMPLETED AS PART OF THE TEST PERFORMED ON JUNE 6, 1985. THIS FORM WAS INAPPROPRIATE IN THAT IT DID NOT INDICATE THE PERSON WHO PERFORMED THE TEST OR SPECIFY THE DATE AND UNIT (1 OR 2) ON WHICH THE TEST WAS PERFORMED. B. PROCEDURE QOS 700-6, "APRM HIGH FLUX (HEAT BALANCE) CALIBRATION TEST," REQUIRED FORM QOS 700-S4 TO BE COMPLETED WITH THE USE OF THE NOMOGRAPH QOS 700-S6 TO PERFORM A HAND HEAT BALANCE CALCULATION. THIS METHOD WAS INADEQUATE DUE TO THE COMPLEXITY OF THE INSTRUCTIONS AND THE INACCURACIES OF THE NOMOGRAPH. C. PROCEDURE QTS 130-1, "CONTROL ROD TIMING AND POSITION INDICATION CHECK," REQUIRED DATA SHEET QTS 130-S1 TO BE COMPLETED AS PART OF THE TEST PERFORMED SUBSEQUENT TO CORE LOAD. THIS PROCEDURE WAS INADEQUATE IN THAT IT DID NOT CLEARLY STATE THAT THE VERIFICATION OF ROD POSITION INDICATION, AS REQUIRED BY TECHNICAL SPECIFICATIONS, SHOULD BE DOCUMENTED ON THE DATA SHEET AND HENCE THIS VERIFICATION WAS NOT RECORDED. D. PROCEDURE QTP 1106-2, "INITIAL IN-SEQUENCE CRITICALITY ESTIMATE EVALUATION," REQUIRED FORM QTP 1106-S3 TO BE COMPLETED AS PART OF THE TEST PERFORMED ON JUNE 5, 1985. THIS PROCEDURE AND DATA SHEET WERE INAPPROPRIATE IN THAT ONLY THE RESULTS OF THE CALCULATION WERE REQUIRED TO BE RECORDED ON THE DATA SHEET; AN APPROVED METHOD FOR THE INITIAL CRITICALITY EVALUATION WAS NOT SPECIFIED. E. PROCEDURE QTP 1600-3, "FLOW CONTROL LINE DETERMINATION," REQUIRED DATA SHEET QTP 1600-S8 TO BE COMPLETED AS PART OF THE TEST PERFORMED ON JUNE 14, 1985. THIS DATA SHEET WAS INAPPROPRIATE IN THAT IT DID NOT INDICATE THE PERSON WHO PERFORMED THE TEST OR SPECIFY THE DATE AND UNIT (1 OR 2) ON WHICH THE TEST WAS PERFORMED.

TECHNICAL SPECIFICATION 3.2.G.2 STATES THAT...WITH ONE OR MORE RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTS INOPERABLE, TAKE THE ACTION SHOWN IN TABLE 3.2-5. ACTION A, FOR SERVICE WATER EFFLUENT GROSS ACTIVITY MONITOR, IN TABLE 3.2-5 STATES THAT...WITH LESS THAN THE MINIMUM NUMBER OF OPERABLE CHANNELS, RELEASES VIA THIS PATHWAY MAY CONTINUE, PROVIDED THAT AT LEAST ONCE PER 12 HOURS GRAB SAMPLES ARE COLLECTED AND ANALYZED FOR BETA OR GAMMA ACTIVITY AT AN LLD OF LESS THAN OR EQUAL TO 10⁻⁷ UCI/ML. CONTRARY TO THE ABOVE, THE 12 HOUR GRAB SAMPLES FROM BOTH UNIT 1 AND UNIT 2 SERVICE WATER, REQUIRED ABOUT 8:00 P.M. ON JUNE 13, 1985, WERE NOT COLLECTED AND ANALYZED (THE SERVICE WATER MONITORS FOR BOTH UNIT 1 AND UNIT 2 HAVE REMAINED INOPERABLE SINCE DECEMBER 19, 1984).

(8502 5)

OTHER ITEMS

Report Period SEP 1985

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

* QUAD CITIES 2 *

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:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 1-3, 1985

INSPECTION REPORT NO: 85031

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	08/15/85	09/11/85	CLEANUP SYSTEM SHUTDOWN
85-18	08/26/85	09/12/85	LOW CONDENSER VACUUM SETPOINT DRIFT
=====			

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1. Docket: 50-312 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: RON COLOMBO (916) 452-3211

4. Licensed Thermal Power (MWt): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

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

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

11. Reasons for Restrictions, If Any: _____
NONE

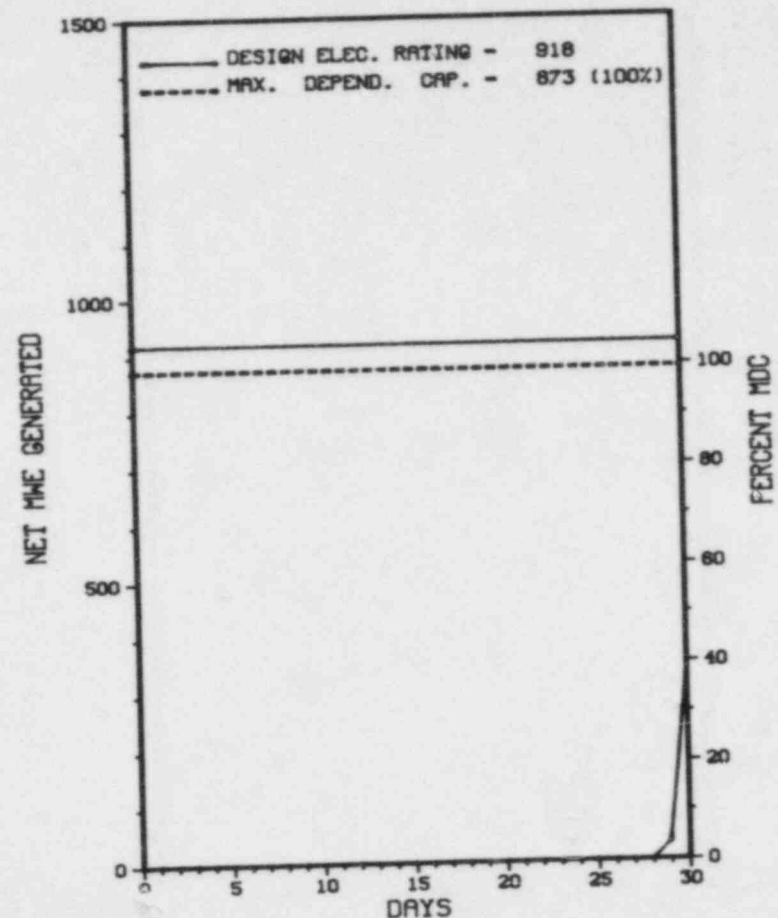
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>91,656.0</u>
13. Hours Reactor Critical	<u>49.4</u>	<u>1,767.9</u>	<u>51,458.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>495.5</u>	<u>10,647.7</u>
15. Hrs Generator On-Line	<u>29.1</u>	<u>1,647.3</u>	<u>49,310.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>31,888</u>	<u>4,098,861</u>	<u>122,072,378</u>
18. Gross Elec Ener (MWH)	<u>8,615</u>	<u>1,375,461</u>	<u>40,812,604</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,289,988</u>	<u>38,431,863</u>
20. Unit Service Factor	<u>4.0</u>	<u>25.1</u>	<u>53.8</u>
21. Unit Avail Factor	<u>4.0</u>	<u>25.1</u>	<u>55.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>22.6</u>	<u>48.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>21.5</u>	<u>45.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.7</u>	<u>29.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>156.8</u>	<u>20,229.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	09/29/85	S	690.9	C	1		ZZ	ZZZZZZ	REFUELING OUTAGE.

 * SUMMARY *

RANCHO SECO 1 COMPLETED A REFUELING OUTAGE ON SEPTEMBER 29TH.

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)

* RANCHO SECO 1 *

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

- + INSPECTION ON MAY 20-24, 1985 (REPORT NO. 50-312/85-14) HEADQUARTERS' REPORT; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON AUGUST 1 - SEPTEMBER 26, 1985 (REPORT NO. 50-312/85-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 26-30, 1985 (REPORT NO. 50-312/85-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 16 - OCTOBER 4, 1985 (REPORT NO. 50-312/85-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 23-30, 1985 (REPORT NO. 50-312/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 25-30, 1985 (REPORT NO. 50-312/85-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

LIGHTING - ON JULY 11, 1985, A HATCH HAD BEEN BLOCKED OPEN, THEREBY PROVIDING ACCESS TO AN UNLIGHTED PIT. THE ILLUMINATION LEVEL IN THE PIT WAS LESS THAN 0.2 FOOT CANDLES. 10 CFR 20.201(B) REQUIRES EACH LICENSEE TO MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS

INSPECTION STATUS - (CONTINUED)

PAGE 2-309

Report Period SEP 1985

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

* RANCHO SECO 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE			
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1. Docket: 50-261 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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): 612

11. Reasons for Restrictions, If Any: CORE PEAKING FACTOR LIMITATIONS.

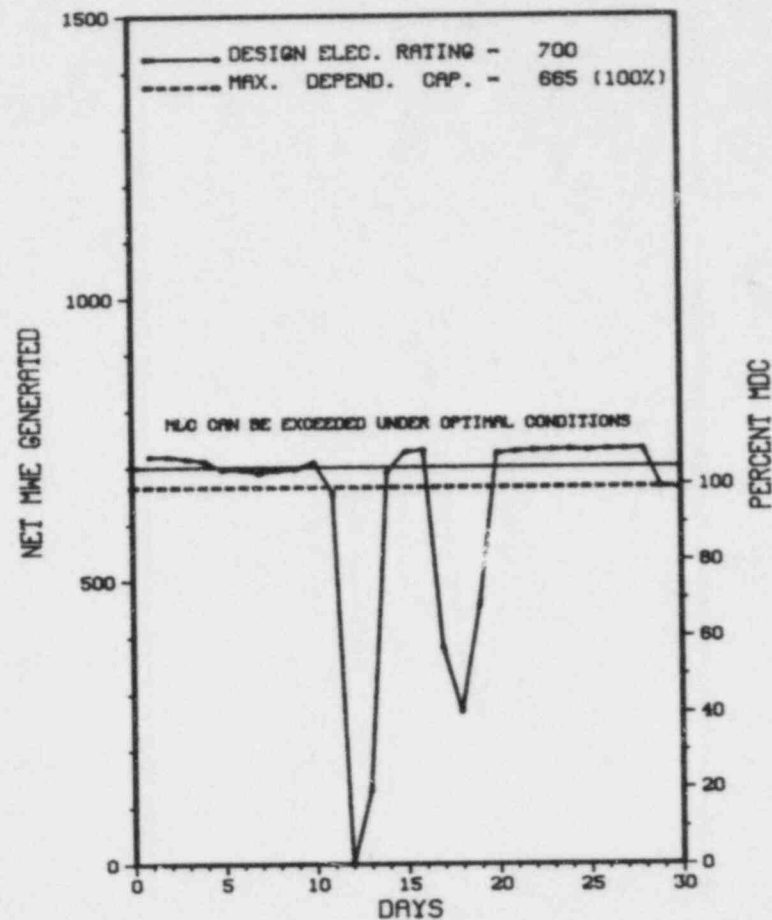
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>127,781.0</u>
13. Hours Reactor Critical	<u>688.0</u>	<u>5,650.8</u>	<u>89,847.6</u>
14. Rx Reserve Shtdwn Hrs	<u>32.0</u>	<u>873.4</u>	<u>2,655.6</u>
15. Hrs Generator On-Line	<u>669.8</u>	<u>5,507.5</u>	<u>87,573.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>1,452,279</u>	<u>11,957,538</u>	<u>174,832,718</u>
18. Gross Elec Ener (MWH)	<u>479,020</u>	<u>3,920,397</u>	<u>56,265,273</u>
19. Net Elec Ener (MWH)	<u>454,978</u>	<u>3,720,307</u>	<u>53,129,968</u>
20. Unit Service Factor	<u>93.0</u>	<u>84.1</u>	<u>68.5</u>
21. Unit Avail Factor	<u>93.0</u>	<u>84.1</u>	<u>68.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.0</u>	<u>85.4</u>	<u>62.5</u>
23. Unit Cap Factor (DER Net)	<u>90.3</u>	<u>81.1</u>	<u>59.4</u>
24. Unit Forced Outage Rate	<u>7.0</u>	<u>12.8</u>	<u>14.5</u>
25. Forced Outage Hours	<u>50.2</u>	<u>811.5</u>	<u>9,045.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING OUTAGE: FEBRUARY 1, 1986, 49 DAYS</u>			

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

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0901	09/11/85	F	37.6	H	3		AB	TRANSF	WATER FROM DELUGE SYSTEM INADVERTENTLY ACTUATED "C" MAIN TRANSFORMER FAULT PRESSURE SIGNAL CAUSING THE REACTOR TOTRIP. UNIT WAS BROUGHT BACK ONLINE AND RETURNED TO FULL POWER.
0902	09/17/85	F	12.6	A	3		EB	INSTRU	REACTOR TRIPPED DUE TO A HIGH VOLTAGE SPIKE ON INSTRUMENT BUSS NO. 2. REACTOR WAS RETURNED TO FULL POWER.

* SUMMARY *

ROBINSON 2 EXPERIENCED 2 SHUTDOWNS IN SEPTEMBER AS DISCUSSED ABOVE.

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

* ROBINSON 2 *

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 11 - SEPTEMBER 10 (85-25): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 187 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 REVIEW, IE BULLETIN AND IE NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, INDEPENDENT INSPECTION AND ENFORCEMENT ACTION FOLLOWUP. OF THE AREAS INSPECTED, ONE INSPECTOR FOLLOWUP ITEM WAS IDENTIFIED: IFI 50-261/85-25-01, "TARGET AXIAL FLUX CALIBRATION LIMITS."

INSPECTION AUGUST 28-29 (85-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 30 INSPECTOR-HOURS ONSITE DURING REGULAR HOURS, IN THE AREA OF RADIOLOGICAL ENVIRONMENTAL MONITORING REQUIREMENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 27-30 (85-27): THIS UNANNOUNCED PHYSICAL SECURITY INSPECTION INVOLVED 24 INSPECTOR-HOURS ONSITE (TWO HOURS ON BACKSHIFT) INSPECTING: SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREAS; LIGHTING; ASSESSMENT AIDS; DETECTION AIDS; PROTECTED AREAS; DETECTION AIDS-VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS WITHIN THE 10 AREAS INSPECTED.

ENFORCEMENT SUMMARY

NONE

Report Period SEP 1985

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

* ROBINSON 2 *

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: AUGUST 11 - SEPTEMBER 10, 1985 +

INSPECTION REPORT NO: 50-261/85-25 +

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

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

85-016	08/10/85	09/09/85	OVERTEMPERATURE DELTA T REACTOR TRIP DUE TO LOOSE CONNECTION IN POTENTIOMETER, THE FAULTY POTENTIOMETER WAS REPLACED.
=====			

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

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: J. P. RONAVALVY (609) 935-6000 X4455

4. Licensed Thermal Power (MWt): 3338

5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170

6. Design Electrical Rating (Net MWe): 1090

7. Maximum Dependable Capacity (Gross MWe): 1124

8. Maximum Dependable Capacity (Net MWe): 1079

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>72,360.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,533.6</u>	<u>42,357.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,530.7</u>	<u>40,689.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,351,246</u>	<u>21,698,013</u>	<u>124,468,216</u>
18. Gross Elec Ener (MWH)	<u>785,040</u>	<u>7,357,750</u>	<u>41,271,598</u>
19. Net Elec Ener (MWH)	<u>753,627</u>	<u>7,070,558</u>	<u>39,169,040</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.7</u>	<u>56.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.7</u>	<u>56.2</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>100.0</u>	<u>50.2</u>
23. Unit Cap Factor (DER Net)	<u>96.0</u>	<u>99.0</u>	<u>49.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>30.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>20.3</u>	<u>18,095.3</u>

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

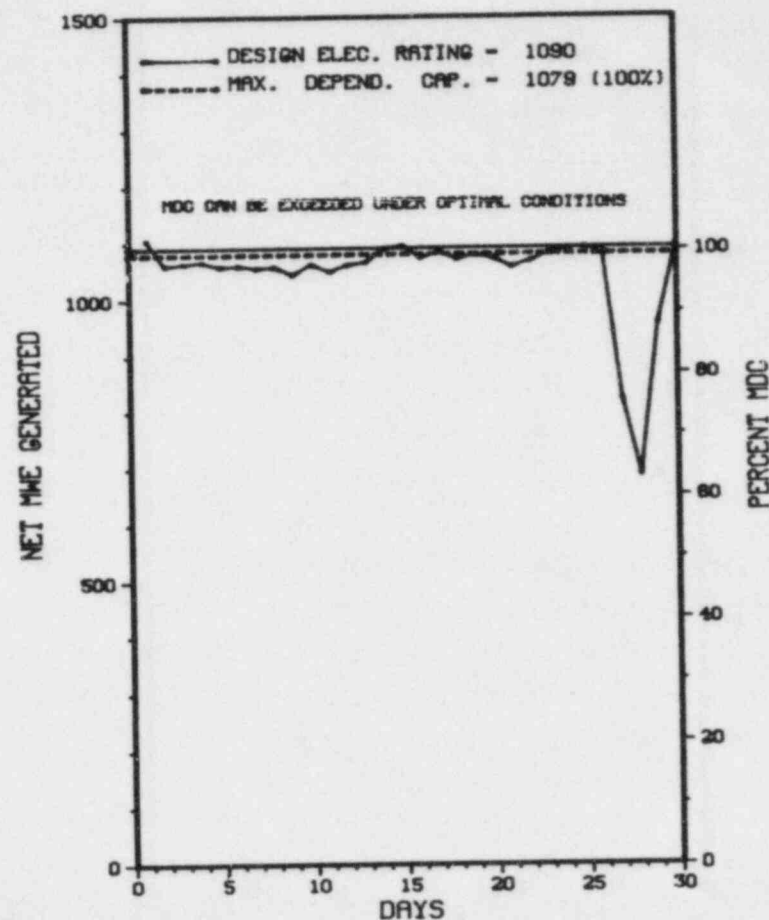
REFUELING, MARCH 15, 1986, APPROX. 60 DAYS

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

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-584	09/27/85	F	0.0	A	5		HC	FILTER	TRAVELLING SCREEN/TRASH RACK/CANAL SCREEN.
85-586	09/27/85	F	0.0	A	5		HC	FILTER	TRAVELLING SCREEN/TRASH RACK/CANAL SCREEN.
85-588	09/28/85	F	0.0	A	5		HC	FILTER	TRAVELLING SCREEN/TRASH RACK/CANAL SCREEN.

 * SUMMARY *

SALEM 1 OPERATED ROUTINELY IN SEPTEMBER.

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

* SALEM 1 *

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

Report Period SEP 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

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: J SEP 1985

INSPECTION STATUS - (CONTINUED)

* SALEM 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.

REPORTS FROM LICENSEE

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

1. Docket: SD-311 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: J. P. RONAVALVY (609) 935-6000 X4455

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

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

11. Reasons for Restrictions, If Any: _____
NONE

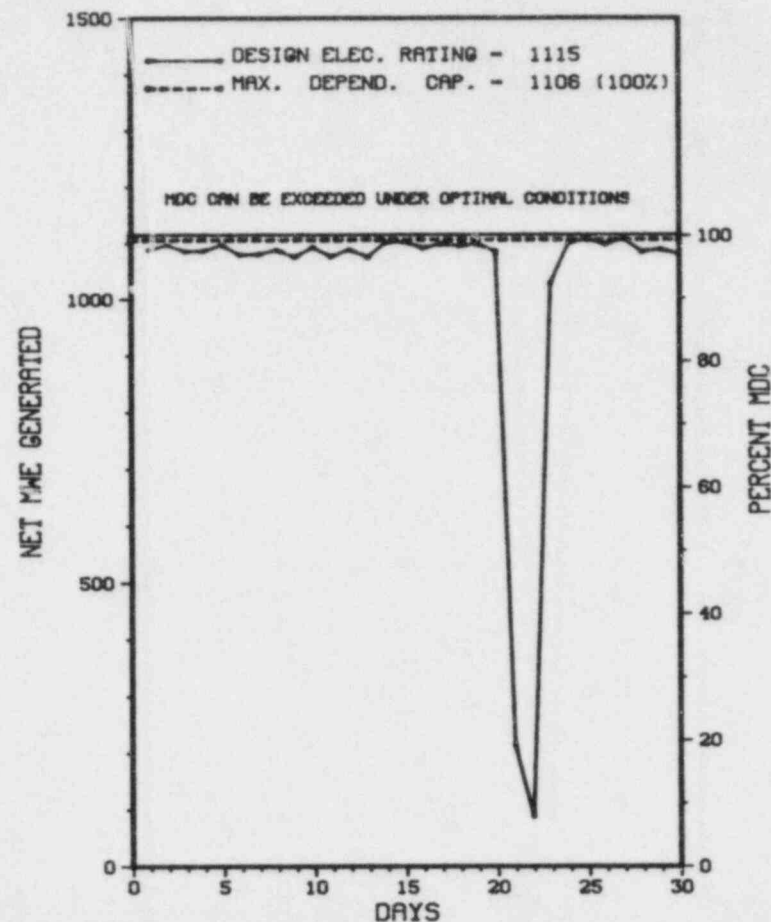
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>34,776.0</u>
13. Hours Reactor Critical	<u>692.3</u>	<u>3,562.0</u>	<u>18,656.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>685.1</u>	<u>3,280.9</u>	<u>17,893.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,315,903</u>	<u>10,446,073</u>	<u>54,173,109</u>
18. Gross Elec Ener (MWH)	<u>771,170</u>	<u>3,441,160</u>	<u>17,718,810</u>
19. Net Elec Ener (MWH)	<u>739,032</u>	<u>3,241,771</u>	<u>16,759,618</u>
20. Unit Service Factor	<u>95.2</u>	<u>50.1</u>	<u>51.5</u>
21. Unit Avail Factor	<u>95.2</u>	<u>50.1</u>	<u>51.5</u>
22. Unit Cap Factor (MDC Net)	<u>92.8</u>	<u>44.7</u>	<u>43.6</u>
23. Unit Cap Factor (DER Net)	<u>92.1</u>	<u>44.4</u>	<u>43.2</u>
24. Unit Forced Outage Rate	<u>4.8</u>	<u>47.4</u>	<u>41.6</u>
25. Forced Outage Hours	<u>34.9</u>	<u>2,958.1</u>	<u>12,730.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-236	09/21/85	F	34.9	A	1		CJ	VESSEL	PRESSURIZER SPRAY VALVES REACTOR COOLANT.

 * SUMMARY *

SALEM 2 INCURRED 1 SHUTDOWN IN SEPTEMBER FOR PRESSURIZER SPRAY VALVES, REACTOR COOLANT PROBLEM.

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

* SALEM 2 *

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

Report Period SEP 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.
NJC 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.

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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: 09/01/85 Outage + On-line Hrs: 720.0

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): 390

11. Reasons for Restrictions, If Any: STEAM GENERATOR TUBE CORROSION.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>160,375.0</u>
13. Hours Reactor Critical	<u>626.4</u>	<u>5,554.0</u>	<u>94,883.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>609.8</u>	<u>5,501.1</u>	<u>91,145.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>717,528</u>	<u>6,599,044</u>	<u>115,787,258</u>
18. Gross Elec Ener (MWH)	<u>218,400</u>	<u>2,125,800</u>	<u>39,336,434</u>
19. Net Elec Ener (MWH)	<u>203,533</u>	<u>1,995,465</u>	<u>37,198,780</u>
20. Unit Service Factor	<u>84.7</u>	<u>84.0</u>	<u>56.8</u>
21. Unit Avail Factor	<u>84.7</u>	<u>84.0</u>	<u>56.8</u>
22. Unit Cap Factor (MDC Net)	<u>64.8</u>	<u>69.9</u>	<u>53.2</u>
23. Unit Cap Factor (DER Net)	<u>64.8</u>	<u>69.9</u>	<u>53.2</u>
24. Unit Forced Outage Rate	<u>14.0</u>	<u>12.0</u>	<u>21.2</u>
25. Forced Outage Hours	<u>99.1</u>	<u>752.2</u>	<u>11,930.5</u>

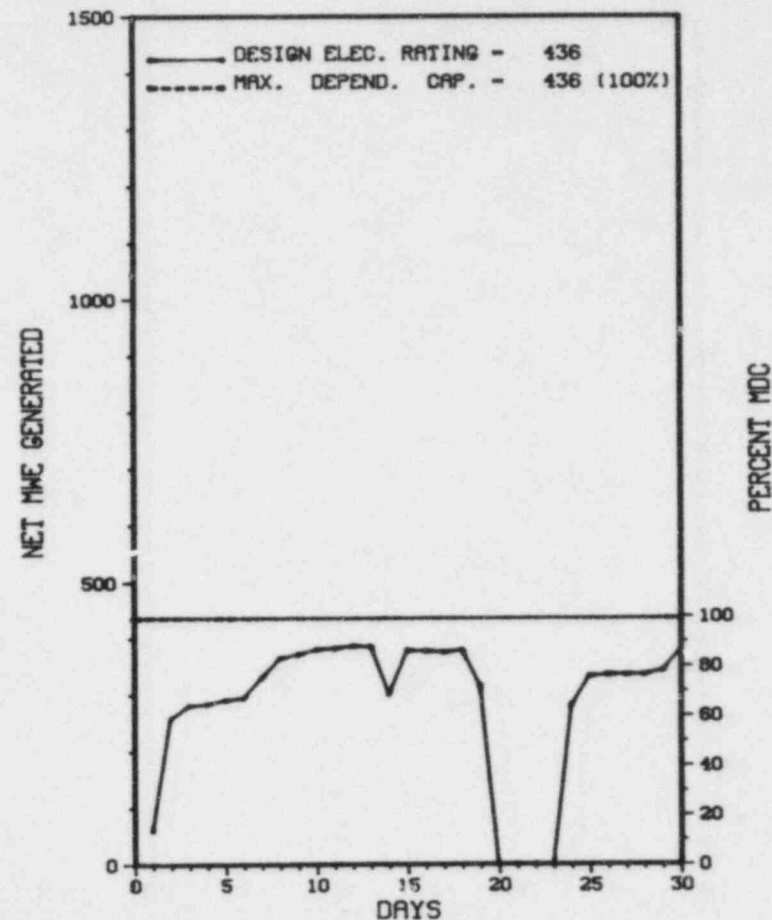
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, NOVEMBER, 1985, 156 DAYS

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

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
90	08/22/85	S	11.1	B	4		BQ	SHV	CONTINUED FROM PREVIOUSLY SCHEDULED OUTAGE WHICH BEGAN ON AUGUST 22, 1985.
91	09/14/85	S	0.0	B	5		KE	P	REDUCED POWER FOR INSPECTION OF NORTH CIRCULATING WATER PUMP, HEAT TREATING THE CIRCULATING WATER INTAKE TUNNEL, AND PERFORM TURBINE STOP VALVE TESTING.
92	09/19/85	F	99.1	B	3	85-014	EC	XFMR	UNIT TRIPPED DUE TO SUDDEN PRESSURE INCREASE IN THE AUXILIARY TRANSFORMER 'B' DURING ADDITION OF NITROGEN GAS TO THE TRANSFORMER. TO PREVENT RECURRENCE THE SUDDEN PRESSURE TRIP RELAY WILL BE PLACED IN NON-AUTOMATIC DURING ADDITION OF NITROGEN TO THE TRANSFORMER.

***** SAN ONOFRE 1 HAD 2 OUTAGES AND 1 POWER REDUCTION IN SEPTEMBER AS NOTED 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)

X SAN ONOFRE 1 X

FACILITY DATA

Report Period SEP 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIPECTION 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 BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JULY 29 - SEPTEMBER 20, 1985 (REPORT NO. 50-206/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 7-11, 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 15-27, 1985 (REPORT NO. 50-206/85-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 21 - OCTOBER 31, 1985 (REPORT NO. 50-206/85-32) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 4.7 INSERVICE INSPECTION REQUIREMENTS STATES IN PART "INSERVICE INSPECTION OF COMPONENTS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION XI OF THE ASME BOILER AND PRESSURE VESSEL CODE AND APPLICABLE ADDENDA AS REQUIRED BY 10 CFR 50, SECTION 50.55A(G)...." 1. ASME SECTION XI, SUBSECTION IWP-6250 'RECORD OF CORRECTIVE ACTION' STATES IN PART "THE RECORD SHALL

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* SAN ONOFRE 1 *

ENFORCEMENT SUMMARY

INCLUDE A SUMMARY OF THE CORRECTIONS MADE, THE SUBSEQUENT INSERVICE TEST, CONFIRMATION OF OPERATIONAL ADEQUACY (IWP-3111) AND THE SIGNATURE OF THE INDIVIDUAL RESPONSIBLE FOR CORRECTIVE ACTION AND VERIFICATION OF RESULTS". 2. PARAGRAPH 7.0 OF THE LICENSEE ENGINEERING PROCEDURE S01-V-2.14, REVISION 5, 'IN-SERVICE TESTING OF PUMPS PROGRAM' STATES IN PART: "7.1.3 - SUMMARY RECORD OF CORRECTIVE ACTION (CHECK-OFF SHEET 5.2). THIS RECORD SHALL INCLUDE A SUMMARY OF CORRECTIVE ACTION TAKEN AND THE SUBSEQUENT IN-SERVICE TESTS OR OTHER METHODS USED TO CONFIRM OPERATIONAL ADEQUACY. THE SIGNATURE OF THE INDIVIDUAL RESPONSIBLE FOR CORRECTIVE ACTION AND VERIFICATION OF RESULTS SHALL BE INCLUDED. A COPY OF THE MEMORANDUM FOR FILE, NONCONFORMANCE REPORT (NCR) AND/OR LICENSEE EVENT REPORT (LER) WILL BE ATTACHED". "7.2 - THIS PROCEDURE AND DATA DESCRIBED IN 7.1.2 AND 7.1.3 WILL BE FILED IN THE STATION ENGINEERING FILES AND IN THE CDM CENTER". CONTRARY TO THE REQUIREMENT, AT THE TIME OF THE INSPECTION, THE LICENSEE IST PROGRAM RECORDS AND STATION ENGINEERING FILES DID NOT HAVE AVAILABLE A COMPLETE SUMMARY OF CORRECTIVE ACTIONS TAKEN WITH REGARDS TO PUMPS. AS AN EXAMPLE, FEEDWATER PUMP G3B WAS REPAIRED IN MAY 1985, AND THERE WAS NO SUMMARY RECORD OF CORRECTIVE ACTION OR A LICENSEE CHECK-OFF SHEET 5.2 IN THE IST PROGRAM RECORDS OR STATION ENGINEERING FILES AS REQUIRED.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT CONTINUED OPERATION IN THIS REPORTING PERIOD. THE UNIT TRIPPED ON SEPTEMBER 19, 1985, DUE TO AN INADVERTENT PROTECTIVE TRIP OF THE 'B' AUXILIARY TRANSFORMER. SUBSEQUENTLY, THE AUXILIARY FEEDWATER PUMP STARTED BUT FAILED.

LAST IE SITE INSPECTION DATE: 09/21-10/31/85+

INSPECTION REPORT NO: 50-206/85-32+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

1. Docket: 50-361 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>18,840.0</u>
13. Hours Reactor Critical	<u>564.3</u>	<u>3,680.1</u>	<u>11,565.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>519.9</u>	<u>3,585.6</u>	<u>11,318.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,696,030</u>	<u>11,424,068</u>	<u>36,502,351</u>
18. Gross Elec Ener (MWH)	<u>556,901</u>	<u>3,799,513</u>	<u>12,289,388</u>
19. Net Elec Ener (MWH)	<u>522,412</u>	<u>3,565,437</u>	<u>11,608,373</u>
20. Unit Service Factor	<u>72.2</u>	<u>54.7</u>	<u>60.1</u>
21. Unit Avail Factor	<u>72.2</u>	<u>54.7</u>	<u>60.1</u>
22. Unit Cap Factor (MDC Net)	<u>67.8</u>	<u>50.9</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>67.8</u>	<u>50.9</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>27.8</u>	<u>9.5</u>	<u>5.7</u>
25. Forced Outage Hours	<u>200.1</u>	<u>375.8</u>	<u>685.4</u>

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

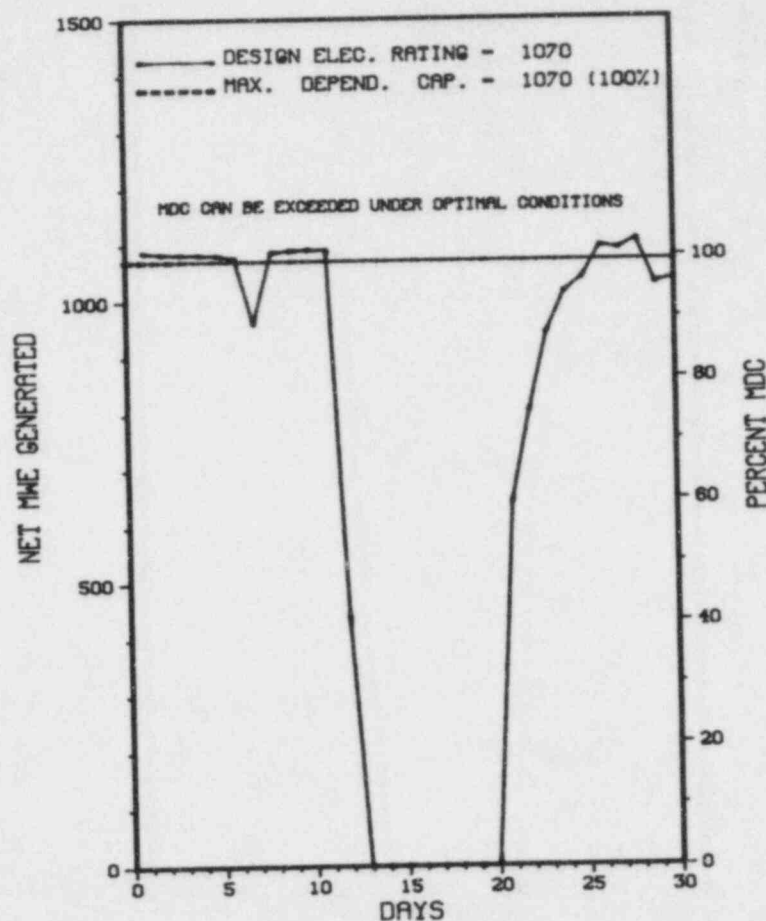
REFUELING OUTAGE, FEBRUARY 15, 1986, 90 DAYS

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

* SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	09/12/85	F	200.1	A	3	2-85-046	TL	EXC	TURBINE AND REACTOR TRIPS OCCURRED DUE TO A FIRE IN THE BRUSH RIGGING LOCATED INSIDE THE EXCITER AND BRUSH RIGGING ENCLOSURE. TO PREVENT RECURRENCE BOTH DESIGN CHANGES AND CHANGES IN OPERATING AND MAINTENANCE PRACTICES WILL BE IMPLEMENTED.

 * SUMMARY *

SAN ONOFRE 2 HAD TURBINE AND REACTOR TRIPS ON SEPTEMBER 12 AS DETAILED ABOVE.

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

 * SAN ONOFRE 2 *

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

Report Period SEP 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...JULY 26, 1982
 DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982
 DATE COMMERCIAL OPERATE...AUGUST 8, 1983
 CONDENSER COOLING METHOD...ONCE THRU
 CONDENSER COOLING WATER...PACIFIC OCEAN
 ELECTRIC RELIABILITY
 COUNCIL.....WESTERN SYSTEMS
 COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
 IE RESIDENT INSPECTOR.....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
 242 AVENIDA DEL MAR
 SAN CLEMENTE, CALIFORNIA

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

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 12-23, 1985 (REPORT NO. 50-361/85-22) AREAS INSPECTED: ANNUAL, UNANNOUNCED TEAM INSPECTION OF THE SAN ONOFRE NUCLEAR GENERATING STATION FOCUSED ON THE MANAGEMENT CONTROLS (PROCEDURES, POLICIES, ADMINISTRATIVE ORDERS, ETC.) AND THE INVOLVEMENT OF MANAGEMENT IN THE IMPLEMENTATION OF THESE CONTROLS AS THEY ARE APPLIED TO OPERATION AND MAINTENANCE. THE FOLLOWING ACTIVITIES OF THE LICENSEE WERE EXAMINED: 1) TECHNICAL SPECIFICATION SURVEILLANCE; 2) CONTROL OF TECHNICAL MANUAL CHANGES IN THE FIELD; 3) PLANT MODIFICATIONS; 4) MAINTENANCE PROGRAMS; 5) CONTROL OF PLANT PROCEDURES; 6) ONSITE/OFFSITE SAFETY COMMITTEE ACTIVITIES; 7) NON-LICENSED STAFF TRAINING; 8) QA AUDIT PROGRAM; 9) M&TE CALIBRATION PROGRAM. TO THE MAXIMUM EXTENT FEASIBLE, THE EFFECTIVENESS OF THESE ACTIVITIES WERE ASSESSED AS THEY APPLY TO THE FOLLOWING PLANT PHYSICAL SYSTEMS: 1) AUXILIARY FEEDWATER SYSTEM (AFWS); 2) 125 VOLT D.C. POWER SYSTEM (125 VDC); 3) HIGH PRESSURE SAFETY INJECTION SYSTEM (HPSI); 4) DIESEL GENERATOR SYSTEM (DG). IT IS ESTIMATED THAT 60% OF THE INSPECTION EFFORT WAS DIRECTED TO THESE SAFETY-RELATED SYSTEMS. THE SYSTEMS WERE SELECTED ON THE BASIS OF PROBABILISTIC RISK ASSESSMENT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 566 INSPECTOR-HOURS ONSITE BY TEN NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 29 - SEPTEMBER 20, 1985 (REPORT NO. 50-361/85-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 7-11, 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 STATUS - (CONTINUED)

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 15-27, 1985 (REPORT NO. 50-361/85-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 21 - OCTOBER 31, 1985 (REPORT NO. 50-361/85-31) 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 UNIT CONTINUED FULL POWER OPERATION DURING THE MONTH OF SEPTEMBER. THE UNIT EXPERIENCED ONE TRIP DUE TO AN ELECTRICAL SHORT ON THE MAIN GENERATOR EXCITER BUS BAR.

LAST IE SITE INSPECTION DATE: 09/21-10/31/85+

INSPECTION REPORT NO: 50-361/85-31+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

1. Docket: 50-362 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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):

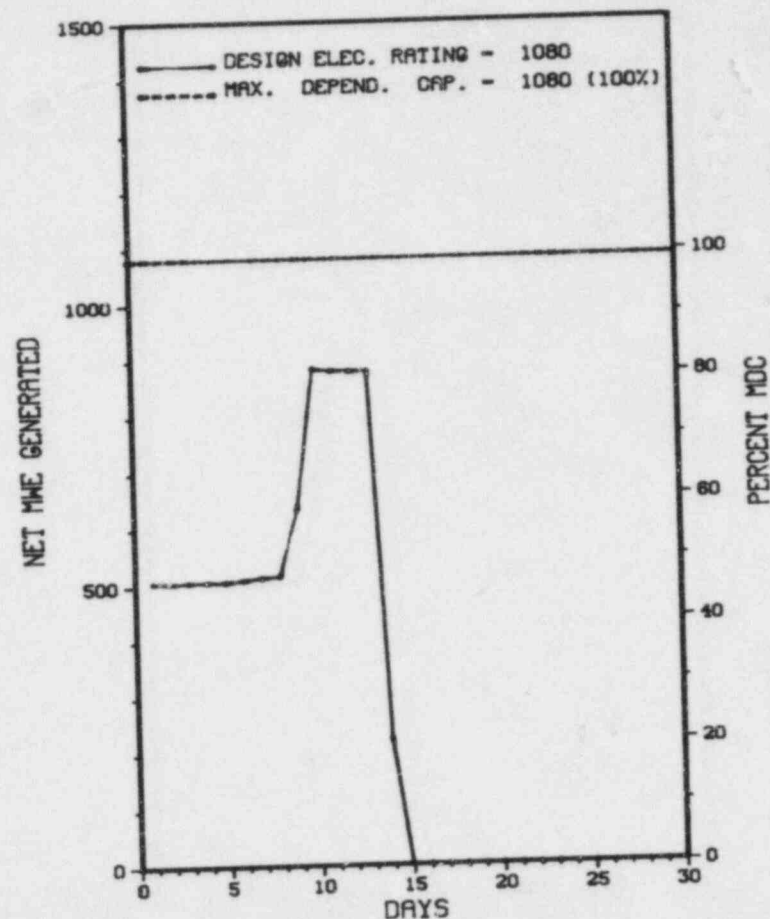
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>13,151.0</u>
13. Hours Reactor Critical	<u>332.1</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>332.0</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>707,507</u>	<u>12,083,597</u>	<u>24,999,564</u>
18. Gross Elec Ener (MWH)	<u>219,738</u>	<u>4,004,572</u>	<u>8,371,402</u>
19. Net Elec Ener (MWH)	<u>198,869</u>	<u>3,728,317</u>	<u>7,828,687</u>
20. Unit Service Factor	<u>46.1</u>	<u>71.9</u>	<u>67.0</u>
21. Unit Avail Factor	<u>46.1</u>	<u>71.9</u>	<u>67.0</u>
22. Unit Cap Factor (MDC Net)	<u>25.6</u>	<u>52.7</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>25.6</u>	<u>52.7</u>	<u>55.1</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): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>12/21/85</u>			

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



SEPTEMBER 1985

Report Period SEP 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	388.0	C	1		RC	FUELXX	REFUELING & MAINTENANCE OUTAGE COMMENCES.

* SUMMARY *

SAN ONOFRE 3 COMMENCED A REFUELING SHUTDOWN ON SEPTEMBER 14TH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual
G-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)

* SAN ONOFRE 3 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 12-23, 1985 (REPORT NO. 50-362/85-21) AREAS INSPECTED: ANNUAL, UNANNOUNCED TEAM INSPECTION OF THE SAN ONOFRE NUCLEAR GENERATING STATION FOCUSED ON THE MANAGEMENT CONTROLS (PROCEDURES, POLICIES, ADMINISTRATIVE ORDERS, ETC.) AND THE INVOLVEMENT OF MANAGEMENT IN THE IMPLEMENTATION OF THESE CONTROLS AS THEY ARE APPLIED TO OPERATION AND MAINTENANCE. THE FOLLOWING ACTIVITIES OF THE LICENSEE WERE EXAMINED: 1) TECHNICAL SPECIFICATION SURVEILLANCE; 2) CONTROL OF TECHNICAL MANUAL CHANGES IN THE FIELD; 3) PLANT MODIFICATIONS; 4) MAINTENANCE PROGRAMS; 5) CONTROL OF PLANT PROCEDURES; 6) ONSITE/OFFSITE SAFETY COMMITTEE ACTIVITIES; 7) NON-LICENSED STAFF TRAINING; 8) QA AUDIT PROGRAM; 9) M&TE CALIBRATION PROGRAM. TO THE MAXIMUM EXTENT FEASIBLE, THE EFFECTIVENESS OF THESE ACTIVITIES WERE ASSESSED AS THEY APPLY TO THE FOLLOWING PLANT PHYSICAL SYSTEMS: 1) AUXILIARY FEEDWATER SYSTEM (AFWS); 2) 125 VOLT D.C. POWER SYSTEM (125 VDC); 3) HIGH PRESSURE SAFETY INJECTION SYSTEM (HPSI); 4) DIESEL GENERATOR SYSTEM (DG). IT IS ESTIMATED THAT 60% OF THE INSPECTION EFFORT WAS DIRECTED TO THESE SAFETY-RELATED SYSTEMS. THE SYSTEMS WERE SELECTED ON THE BASIS OF PROBABILISTIC RISK ASSESSMENT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 566 INSPECTOR-HOURS ONSITE BY TEN NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

- + INSPECTION ON JULY 29 - SEPTEMBER 20, 1985 (REPORT NO. 50-362/85-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 7-11, 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.

Report Period SEP 1985

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

* SAN ONOFRE 3 *

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 15-27, 1985 (REPORT NO. 50-362/85-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 21 - OCTOBER 31, 1985 (REPORT NO. 50-362/85-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MAN/GERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT CONTINUED IN SERVICE AT REDUCED-POWER (55%) UNTIL SEPTEMBER 14, 1985, WHEN THE FIRST REFUELING OUTAGE COMMENCED.

LAST IE SITE INSPECTION DATE: 09/21-10/31/85+

INSPECTION REPORT NO: 50-362/85-30+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

1. Docket: 50-327 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: GENE WILBOURN (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>720.0</u>	<u>6,551.0</u>	<u>37,272.0</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>-2,783</u>	<u>4,065,115</u>	<u>24,946,745</u>
20. Unit Service Factor	<u>.0</u>	<u>57.4</u>	<u>64.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>57.4</u>	<u>64.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>54.1</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>54.1</u>	<u>58.3</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>

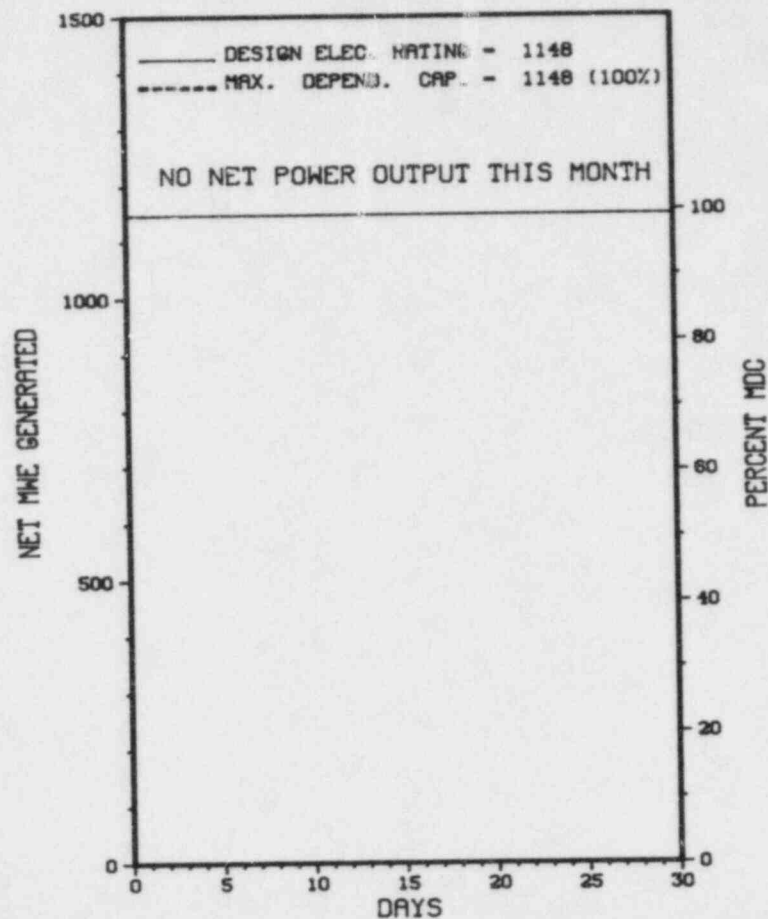
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/24/85

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	08/26/85	S	720.0	C	4		RC	FUELXX	CYCLE 3 REFUELING/MODIFICATIONS OUTAGE CONTINUES.

***** SEQUOYAH 2 REMAINS SHUT DOWN FOR REFUELING.

* 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)

* SEQUOYAH 1 *

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 6 - AUGUST 5 (85-26): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 128 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 AND REVIEW OF LICENSEE RESPONSE TO NRC IE INFORMATION NOTICE 84-31. IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED-FAILURE TO FOLLOW PROCEDURES FOR WHOLE BODY FRISKING AFTER EXIT FROM A CONTAMINATED ZONE (PARAGRAPH 5).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INSPECTION STATUS - (CONTINUED)

PAGE 2-339

1. Docket: 50-328 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: GENE WILBOURN (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>720.0</u>	<u>6,551.0</u>	<u>29,232.0</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>5,845,549</u>	<u>23,537,229</u>
19. Net Elec Ener (MWH)	<u>-2,641</u>	<u>5,622,332</u>	<u>22,643,341</u>
20. Unit Service Factor	<u>.0</u>	<u>79.7</u>	<u>73.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>79.7</u>	<u>73.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>74.8</u>	<u>67.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>74.8</u>	<u>67.5</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>20.2</u>	<u>11.9</u>
25. Forced Outage Hours	<u>720.0</u>	<u>1,320.6</u>	<u>2,914.3</u>

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

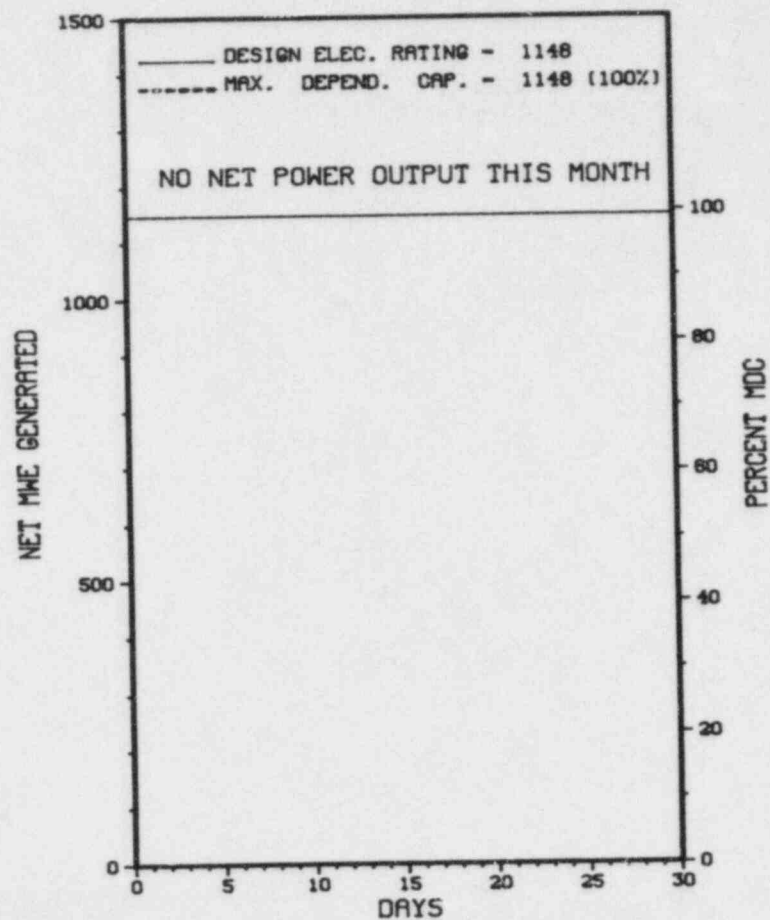
NONE

27. If Currently Shutdown Estimated Startup Date: 10/26/85

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



SEPTEMBER 1985

Report Period SEP 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	720.0	F	4			NUREG 0588 DOCUMENTATION CONCERNS.

* SUMMARY *

SEQUOYAH 2 REMAINS SHUT DOWN BY A TVA HEADQUARTERS ORDER.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 6 - AUGUST 5 (85-26): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 128 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 AND REVIEW OF LICENSEE RESPONSE TO NRC IE INFORMATION NOTICE 84-31. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW PROCEDURES FOR WHOLE BODY FRISKING AFTER EXIT FROM A CONTAMINATED ZONE (PARAGRAPH 5); AND FAILURE TO FOLLOW PROCEDURES TO DOCUMENT AND CORRECT AN INDIVIDUAL ROD POSITION INDICATION MODULE DEFICIENCY (PARAGRAPH 5)).

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, THE LICENSEE FAILED TO PERFORM APPROPRIATE POST MAINTENANCE TEST.
 (8502 4)
 CONTRARY TO TS 3.6.5.3, THE LICENSEE FAILED TO TAKE 4 HOUR TEMPERATURE MEASUREMENT OF ICE CONDENSER BEDS.
 (8502 5)

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NONE.

NONE

NONE.

PLANT STATUS:

REFUELING.

LAST IE SITE INSPECTION DATE: JULY 6 - AUGUST 5, 1985 +

INSPECTION REPORT NO: 50-328/85-26 +

REPORTS FROM LICENSEE

[illegible]

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE.

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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: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (Mwt): 2700

5. Nameplate Rating (Gross MWe): 1000 X 0.89 = 890

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 867

8. Maximum Dependable Capacity (Net MWe): 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>720.0</u>	<u>6,551.0</u>	<u>76,943.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,547.0</u>	<u>56,568.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,544.0</u>	<u>55,278.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,929,908</u>	<u>17,442,200</u>	<u>139,577,711</u>
18. Gross Elec Ener (MWH)	<u>629,300</u>	<u>5,787,770</u>	<u>45,646,425</u>
19. Net Elec Ener (MWH)	<u>596,781</u>	<u>5,489,621</u>	<u>43,047,396</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.9</u>	<u>71.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.9</u>	<u>71.9</u>
22. Unit Cap Factor (MDC Net)	<u>100.2</u>	<u>101.5</u>	<u>67.7</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>101.0</u>	<u>67.4</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>

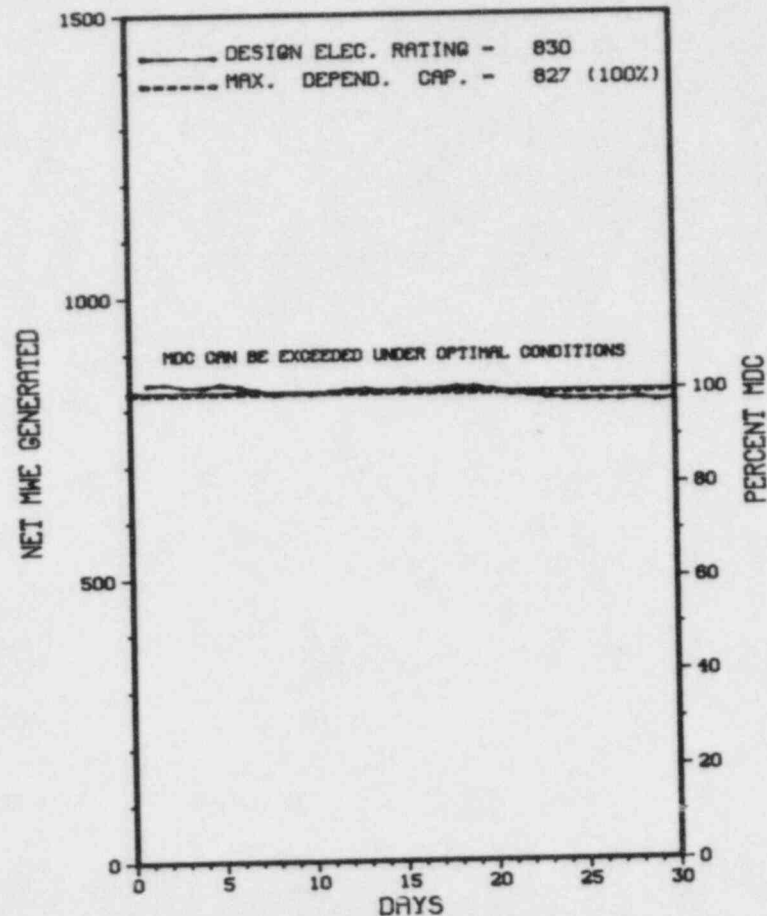
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, OCTOBER 29, 1985 - 10 WEEKS

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ST LUCIE 1 *

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

 * SUMMARY *

ST. LUCIE 1 OPERATED ROUTINELY IN SEPTEMBER 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)

* ST LUCIE 1 *

FACILITY DATA

Report Period SEP 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
LICENCE & DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 9 - AUGUST 12 (85-20): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 109 INSPECTOR-HOURS ONSITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE (QA) PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES AND REACTOR TRIPS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (PARAGRAPH 11).

INSPECTION AUGUST 26-30 (85-23): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period SEP 1985

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

* ST LUCIE 1 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

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

INSPECTION REPORT NO: 50-335/85-23 +

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

NONE.			
=====			

1. Docket: 50-389 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 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 PWR

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

11. Reasons for Restrictions, If Any: _____
NONE

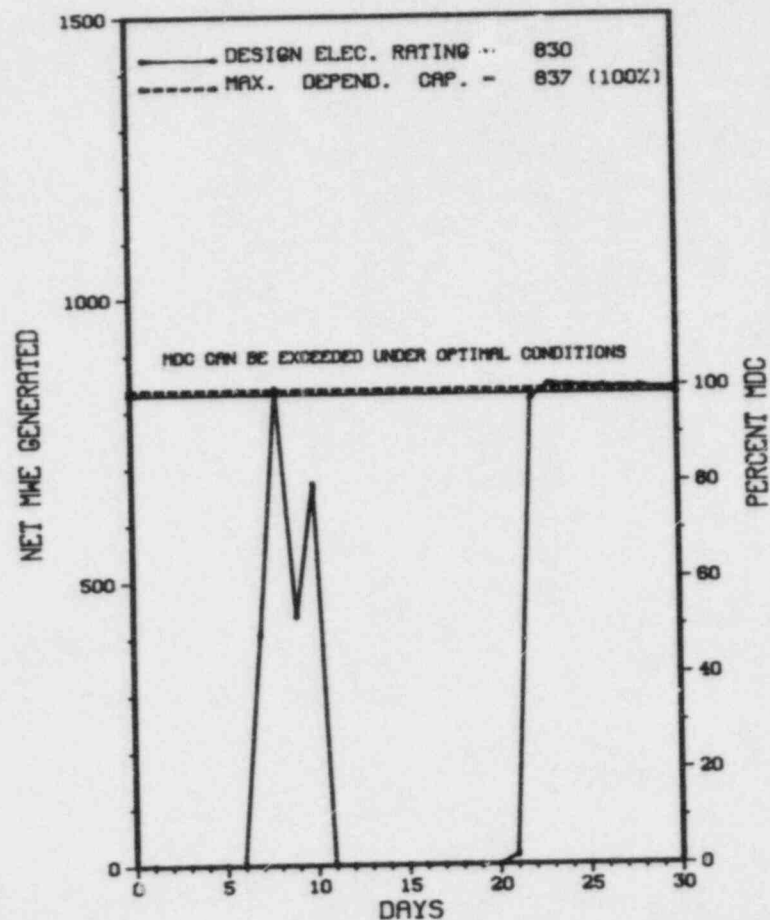
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>18,840.0</u>
13. Hours Reactor Critical	<u>306.7</u>	<u>5,306.6</u>	<u>15,912.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>294.8</u>	<u>5,245.2</u>	<u>15,445.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>765,285</u>	<u>13,624,407</u>	<u>38,982,972</u>
18. Gross Elec Ener (MWH)	<u>262,840</u>	<u>4,577,540</u>	<u>13,027,240</u>
19. Net Elec Ener (MWH)	<u>234,988</u>	<u>4,316,746</u>	<u>12,279,158</u>
20. Unit Service Factor	<u>40.9</u>	<u>80.1</u>	<u>82.0</u>
21. Unit Avail Factor	<u>40.9</u>	<u>80.1</u>	<u>82.0</u>
22. Unit Cap Factor (MDC Net)	<u>39.0</u>	<u>80.3</u>	<u>77.9</u>
23. Unit Cap Factor (DER Net)	<u>39.3</u>	<u>79.7</u>	<u>78.5</u>
24. Unit Forced Outage Rate	<u>59.1</u>	<u>16.7</u>	<u>11.7</u>
25. Forced Outage Hours	<u>425.2</u>	<u>1,052.7</u>	<u>2,044.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

 * ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	08/22/85	F	150.2	A	1		ZZ	ZZZZZZ	UNIT NO. 2 REACTOR STARTUP ABORTED DUE TO HIGH VIBRATION ON REACTOR COOLANT PUMP 2A2. DISCOVERED OIL LEAK FROM MOTOR LOWER OIL RESERVOIR AND DAMAGE TO INTERNAL COMPONENTS. DAMAGE REPAIRED AND THE UNIT RETURNED TO POWER OPERATION.
13	09/09/85	F	275.0	A	2	85-09	ZZ	ZZZZZZ	UNIT NO. 2 WAS MANUALLY TRIPPED FROM FULL POWER WHEN HIGH VIBRATIONS AND OIL LEAK OCCURRED ON REACTOR COOLANT PUMP 2A2. SHAFT VIBRATIONS ON RCP 2A2 CAUSED DAMAGE TO INTERNAL COMPONENTS OF THE MOTOR LOWER OIL RESERVOIR.

***** ST. LUCIE 2 INCURRED 2 SHUTDOWNS IN SEPTEMBER AS DISCUSSED 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)

* ST LUCIE 2 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 9 - AUGUST 12 (85-20): THIS ROUTINE, ANNOUNCED UNANNOUNCED INSPECTION INVOLVED 109 INSPECTOR-HOURS ONSITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE (QA) PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES AND REACTOR TRIPS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (PARAGRAPH 11).

INSPECTION AUGUST 26-30 (85-30): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period SEP 1985

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

* ST LUCIE 2 *

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

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

INSPECTION REPORT NO: 50-389/85-23 +

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

85-007	07/18/85	08/16/85	MAIN STEAM ISOLATION VALVE CLOSURE, DUE TO ERROR IN THE PROCEDURE.
85-008	08/08/85	09/09/85	REACTOR TRIP INITIATED BY SPURIOUS ENGINEERED SAFEGUARDS FEATURES ACTUATION SIGNAL, CAUSES FOR EVENT, LOOSE FUSEHOLDER, CONNECTION AND AN UNDER-SIZED FUSE, OPERATOR ERROR.
=====			

1. Docket: 50-395 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: G. A. LOIGNON (803) 345-5209

4. Licensed Thermal Power (MWT): 2775

5. Nameplate Rating (Gross MWe): 0900

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 885

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>15,335.0</u>
13. Hours Reactor Critical	<u>690.6</u>	<u>5,945.7</u>	<u>11,499.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>679.4</u>	<u>5,846.5</u>	<u>11,212.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,836,663</u>	<u>15,550,788</u>	<u>28,883,374</u>
18. Gross Elec Ener (MWH)	<u>609,490</u>	<u>5,187,670</u>	<u>9,619,783</u>
19. Net Elec Ener (MWH)	<u>583,469</u>	<u>4,956,164</u>	<u>9,152,689</u>
20. Unit Service Factor	<u>94.4</u>	<u>89.2</u>	<u>73.1</u>
21. Unit Avail Factor	<u>94.4</u>	<u>89.2</u>	<u>73.1</u>
22. Unit Cap Factor (MDC Net)	<u>91.6</u>	<u>85.5</u>	<u>67.4</u>
23. Unit Cap Factor (DER Net)	<u>90.0</u>	<u>84.1</u>	<u>66.3</u>
24. Unit Forced Outage Rate	<u>5.6</u>	<u>6.1</u>	<u>8.4</u>
25. Forced Outage Hours	<u>40.6</u>	<u>382.8</u>	<u>1,033.3</u>

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

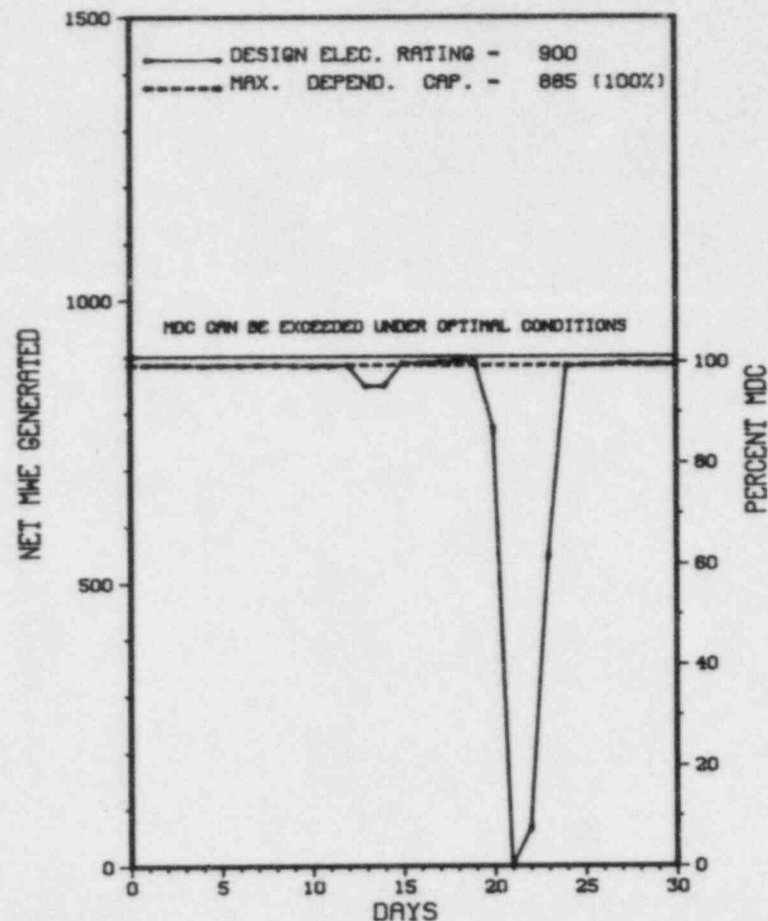
REFUELING: OCTOBER 5, 1985 (60 DAYS).

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

* SUMMER 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	09/20/85	F	40.6	B	3				LOSS OF FEEDWATER DURING CONDENSATE PUMP TEST.

* SUMMARY *

SUMMER 1 INCURRED 1 SHUTDOWN IN SEPTEMBER BECAUSE OF LOSS OF FEEDWATER DURING CONDENSATE PUMP TEST.

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

* SUMMER 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 20-23 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 54 INSPECTOR-HOURS ONSITE (FOUR HOURS BACKSHIFT) BY TWO INSPECTORS. THE INSPECTION COVERED SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - VITAL AREA; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AREA AND VITAL AREAS; ALARM STATIONS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW. ONE VIOLATION WAS IDENTIFIED IN THE AREA OF ALARM SYSTEM TESTING PROCEDURES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

Report Period SEP 1985

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

* SUMMER 1 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 20-23, 1985 +

INSPECTION REPORT NO: 50-395/85-33 +

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

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
-----
85-018    07/29/85    08/23/85    INOPERABLE CARBON DIOXIDE SYSTEM, ATTRIBUTED TO AN INADEQUATE TEST PROCEDURE AND FAILURE TO
          FOLLOW AN ADMINISTRATIVE PROCEDURE.
85-019    07/23/85    08/22/85    LIQUID EFFLUENT GRAB SAMPLE, DUE TO PERSONNEL OVERSIGHT, GRAB SAMPLES WERE NOT OBTAINED.
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1. Docket: 50-280 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 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>720.0</u>	<u>6,551.0</u>	<u>111,983.0</u>
13. Hours Reactor Critical	<u>675.1</u>	<u>5,726.4</u>	<u>70,119.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>661.3</u>	<u>5,620.4</u>	<u>68,629.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,452,419</u>	<u>12,807,081</u>	<u>158,295,565</u>
18. Gross Elec Ener (MWH)	<u>476,030</u>	<u>4,242,300</u>	<u>51,094,263</u>
19. Net Elec Ener (MWH)	<u>450,015</u>	<u>4,027,165</u>	<u>48,439,009</u>
20. Unit Service Factor	<u>91.8</u>	<u>85.8</u>	<u>61.3</u>
21. Unit Avail Factor	<u>91.8</u>	<u>85.8</u>	<u>64.6</u>
22. Unit Cap Factor (MDC Net)	<u>80.0</u>	<u>78.9</u>	<u>55.4</u>
23. Unit Cap Factor (DER Net)	<u>79.3</u>	<u>78.0</u>	<u>54.9</u>
24. Unit Forced Outage Rate	<u>3.3</u>	<u>8.9</u>	<u>19.6</u>
25. Forced Outage Hours	<u>22.7</u>	<u>547.5</u>	<u>12,981.3</u>

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

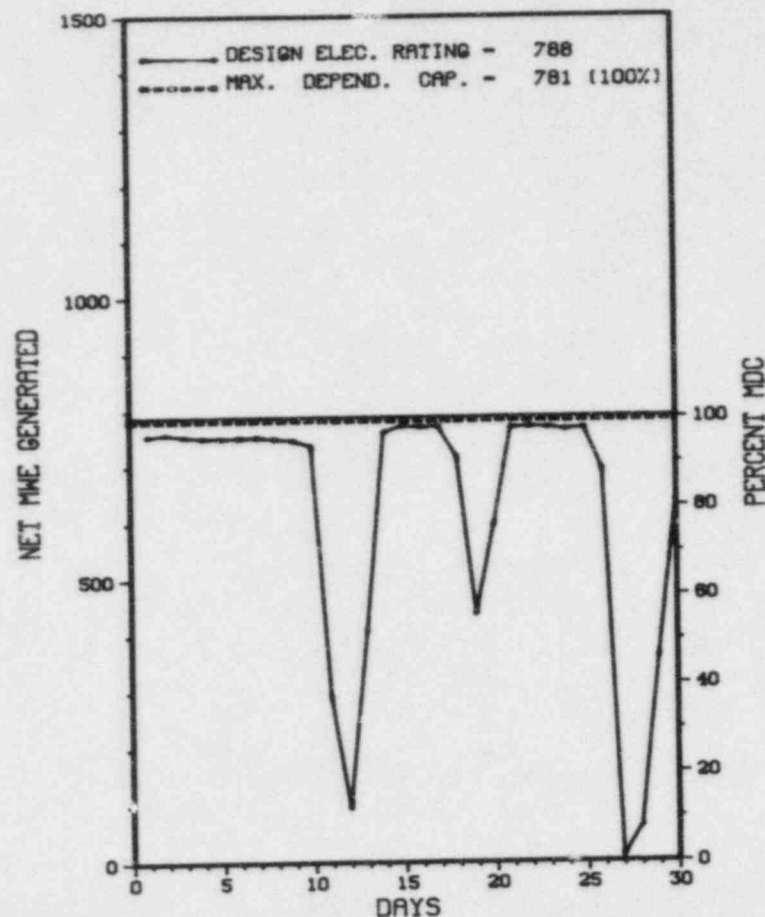
NONE

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

* SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-12	09/11/85	F	22.7	G	3	85-18			REACTOR TRIP BY TURBINE TRIP CAUSED BY INADVERTANT CLOSING OF THE CONDENSER INLET VALVES. COVERS HAVE BEEN INSTALLED OVER THE CONDENSER INLET VALVE SWITCHES TO PREVENT FUTURE INADVERTANT CLOSING.
85-13	09/18/85	S	0.0	A	5				POWER REDUCED TO ALLOW REPAIR OF "A" MAIN FEED PUMPS DISCHARGE CHECK VALVE. POWER WAS REDUCED TO 60%, 445 MW'S.
85-14	09/27/85	S	36.0	H	1				UNIT WAS TAKEN OFF LINE DUE TO HURRICANE THREAT.

 * SUMMARY *

 SURRY 1 INCURRED 1 SHUTDOWN BECAUSE OF INADVERTANT CONDENSER INLET VALVE CLOSING AND 1 DUE TO HURRICANE THREAT.

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

* SURRY 1 *

FACILITY DATA

Report Period SEP 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 OPERATE...DECEMBER 22, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA 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.....SNEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 6 - SEPTEMBER 2 (85-26): THIS INSPECTION ENTAILED 80 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOW-UP OF EVENTS, LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT ITEMS AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 26-30 AND SEPTEMBER 4-6 (85-28): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE IN THE AREAS OF QUALITY ASSURANCE CONTROLS, WORK PERFORMANCE, AND QUALITY RECORDS FOR SITE PREPARATION AND CONCRETE OPERATIONS FOR THE INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.311(D)(1) REQUIRES THAT LICENSEES WHO GENERATE AND TRANSFER RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY PREPARE ALL WASTES SO THAT THE WASTE IS CLASSIFIED ACCORDING TO 10 CFR 61.55. 10 CFR 61.55(A)(8) STATES THAT THE CONCENTRATION OF A RADIONUCLIDE MAY BE DETERMINED BY INDIRECT METHODS SUCH AS USE OF SCALING FACTORS WHICH RELATE THE INFERRED CONCENTRATION OF ONE RADIONUCLIDE TO ANOTHER THAT IS MEASURED IF THERE IS REASONABLE ASSURANCE THAT THE INDIRECT METHODS CAN BE CORRELATED WITH ACTUAL MEASUREMENTS. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT HAVE REASONABLE ASSURANCE THAT THE SCALING FACTORS USED TO DETERMINE RADIOACTIVE WASTE CLASSIFICATION DURING THE PERIOD JUNE 17, 1984 TO JUNE 21, 1985, CORRELATED WITH ACTUAL MEASUREMENTS IN THAT: (A) SCALING FACTORS USED TO DETERMINE TRANSURANIC NUCLIDE CONCENTRATIONS WERE NONCONSERVATIVE FOR 65 PER CENT OF NUCLIDES THUS

INSPECTION STATUS ** (CONTINUED)

PAGE 2-359

Report Period SEP 1985

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

* SURRY 1 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
-----
85-013    07/21/85    08/20/85    CONTAINMENT HIGH TEMPERATURE, THE CHILLER CONDENSER SERVICE WATER TUBES WERE CLEANED.
85-015    08/04/85    09/03/85    UNIT 1 RX TRIP-LOW RCS FLOW, AN OPERATOR INADVERTENTLY STRUCK THE 'A' LOOP FLOW SENSING LINE.
85-016    08/04/85    09/03/85    IODINE SPIKE, CAUSED BY KNOWN FUEL ELEMENT DEFECTS IN THE REACTOR CORE.
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1. Docket: 50-281 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>108,863.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,182.9</u>	<u>70,188.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,110.5</u>	<u>69,018.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,698,732</u>	<u>9,177,679</u>	<u>161,176,082</u>
18. Gross Elec Ener (MWH)	<u>551,070</u>	<u>2,940,015</u>	<u>52,225,489</u>
19. Net Elec Ener (MWH)	<u>522,535</u>	<u>2,782,837</u>	<u>49,499,279</u>
20. Unit Service Factor	<u>100.0</u>	<u>62.7</u>	<u>63.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>62.7</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>93.6</u>	<u>54.8</u>	<u>58.7</u>
23. Unit Cap Factor (DER Net)	<u>92.1</u>	<u>53.9</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>13.3</u>
25. Forced Outage Hrs	<u>.0</u>	<u>12.0</u>	<u>7,925.9</u>

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

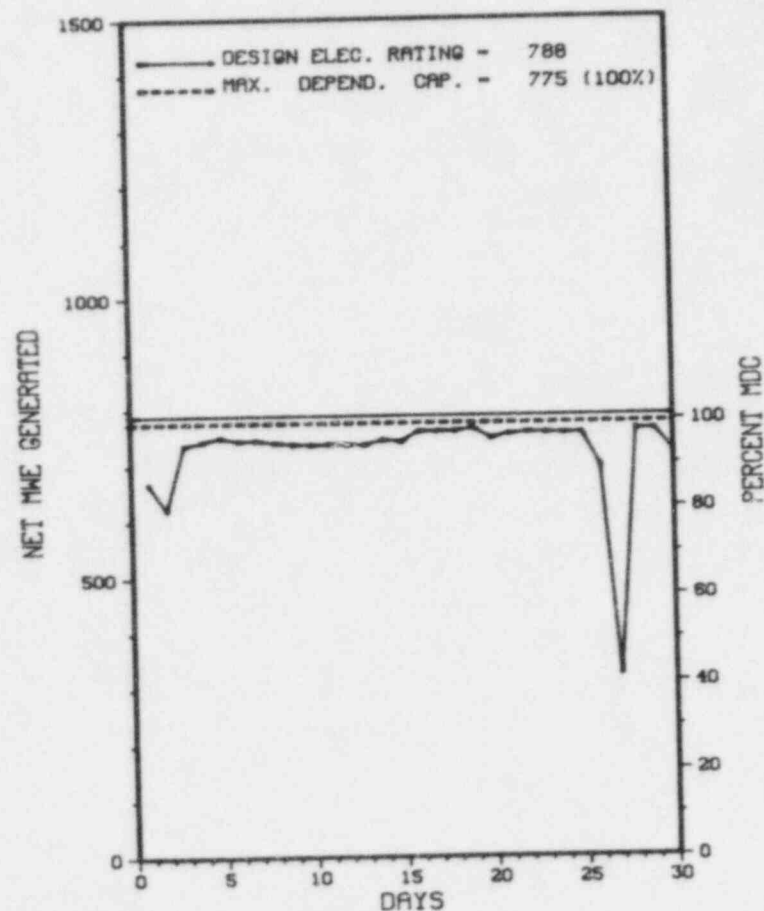
NONE

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

* SURRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
87-7	09/01/85	S	0.0	H	5			POWER WAS REDUCED TO 62%, 500 MWE'S FOR LOAD FOLLOWING.
87-11	09/19/85	S	0.0	H	5			POWER WAS REDUCED TO 79%, 650 MW'S FOR LOAD FOLLOWING.
87-12	09/26/85	S	0.0	H	5			POWER WAS REDUCED TO 30%, 210 MW'S DUE TO HURRICANE THREAT.
87-13	09/30/85	S	0.0	H	5			POWER WAS REDUCED TO 82%, 653 MW'S FOR LOAD FOLLOWING.

 * SUMMARY *

 SURRY 2 OPERATED ROUTINELY IN SEPTEMBER WITH 4 POWER REDUCTIONS; ONE OF THESE WAS BECAUSE OF A HURRICANE THREAT.

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

* SURRY 2 *

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

Report Period SEP 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 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 AUGUST 6 - SEPTEMBER 2 (85-26): THIS INSPECTION ENTAILED 80 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOW-UP OF EVENTS, LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT ITEMS AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 26-30 AND SEPTEMBER 4-6 (85-28): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE IN THE AREAS OF QUALITY ASSURANCE CONTROLS, WORK PERFORMANCE, AND QUALITY RECORDS FOR SITE PREPARATION AND CONCRETE OPERATIONS FOR THE INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INSPECTION STATUS - (CONTINUED)

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*****  
*          SURRY 2          *  
*****
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NONE.

NONE.

NONE.

REFUELING OUTAGE

INSPECTION REPORT NO: 50-281/85-28 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE.

1. Docket: 50-387 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>6,551.0</u>	<u>20,304.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,612.5</u>	<u>14,007.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>41.8</u>	<u>473.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,532.5</u>	<u>13,681.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,321,530</u>	<u>10,856,421</u>	<u>41,478,345</u>
18. Gross Elec Ener (MWH)	<u>750,191</u>	<u>3,513,429</u>	<u>13,503,959</u>
19. Net Elec Ener (MWH)	<u>723,373</u>	<u>3,346,282</u>	<u>12,970,796</u>
20. Unit Service Factor	<u>100.0</u>	<u>53.9</u>	<u>67.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>53.9</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.4</u>	<u>49.5</u>	<u>61.9</u>
23. Unit Cap Factor (DER Net)	<u>94.3</u>	<u>48.0</u>	<u>60.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.5</u>	<u>11.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>53.9</u>	<u>1,710.5</u>

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

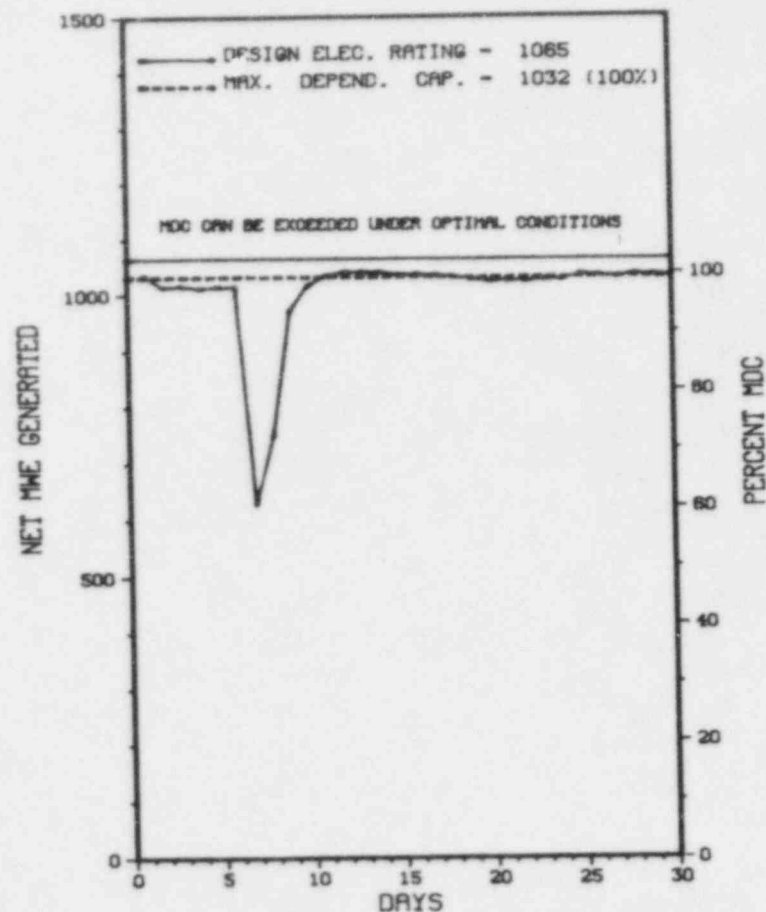
REFUELING OUTAGE; FEBRUARY 15, 1986; 84 DAYS

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

 X SUSQUEHANNA 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	09/07/85	S	0.0	F	5		ZZ	ZZZZZZ	CONTROL ROD SEQUENCE EXCHANGE.

* SUMMARY *

SUSQUEHANNA 1 OPERATED ROUTINELY IN SEPTEMBER.

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)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period SEP 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period SEP 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: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759

4. Licensed Thermal Power (MWT): 3293

5. Nameplate Rating (Gross MWe): 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1068

8. Maximum Dependable Capacity (Net MWe): 1032

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>5,543.0</u>	<u>5,543.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,063.8</u>	<u>5,063.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>408.7</u>	<u>408.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,961.5</u>	<u>4,961.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,331,713</u>	<u>15,695,507</u>	<u>15,695,507</u>
18. Gross Elec Ener (MWH)	<u>762,634</u>	<u>5,120,668</u>	<u>5,120,668</u>
19. Net Elec Ener (MWH)	<u>736,474</u>	<u>4,937,413</u>	<u>4,937,413</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.5</u>	<u>89.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.5</u>	<u>89.5</u>
22. Unit Cap Factor (MDC Net)	<u>99.1</u>	<u>85.9</u>	<u>86.3</u>
23. Unit Cap Factor (DER Net)	<u>96.0</u>	<u>83.6</u>	<u>83.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.5</u>	<u>10.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>581.5</u>	<u>581.5</u>

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

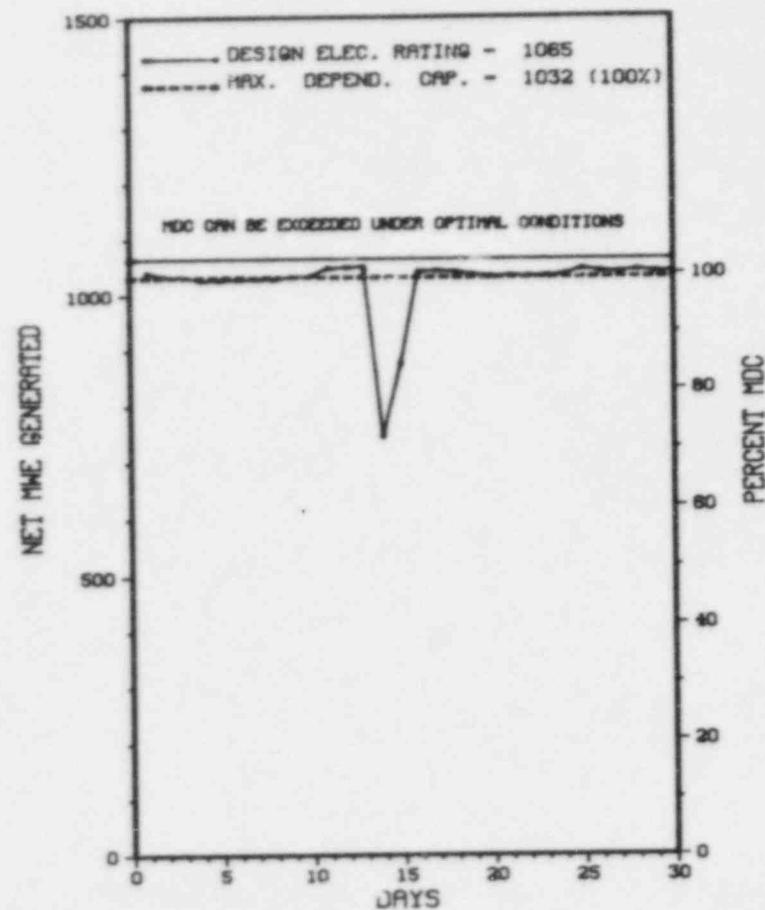
NONE

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

* SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14	09/14/85	S	0.0	F	5		ZZ	ZZZZZZ	CONTROL ROD SEQUENCE EXCHANGE.

 * SUMMARY *

SUSQUEHANNA OPERATED ROUTINELY IN SEPTEMBER.

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)

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period SEP 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
CONSTRUCTØR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. FLISCO
LICENSING PROJ MANAGER....M. CAMPAGNONE
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....

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

WILKES-BARRE, PENNSYLVANIA 18701

Report Period SEP 1985

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

* 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

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

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1. Dock#t: 50-289 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: C. H. SMYTH (717) 948-8551

4. Licensed Thermal Power (MWh): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>97,128.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>31,731.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>839.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>31,180.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>76,531,071</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>25,484,330</u>
19. Net Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>23,840,053</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>32.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>32.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>31.4*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>30.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>65.2</u>
25. Forced Outage Hours	<u>720.0</u>	<u>6,551.0</u>	<u>58,460.5</u>

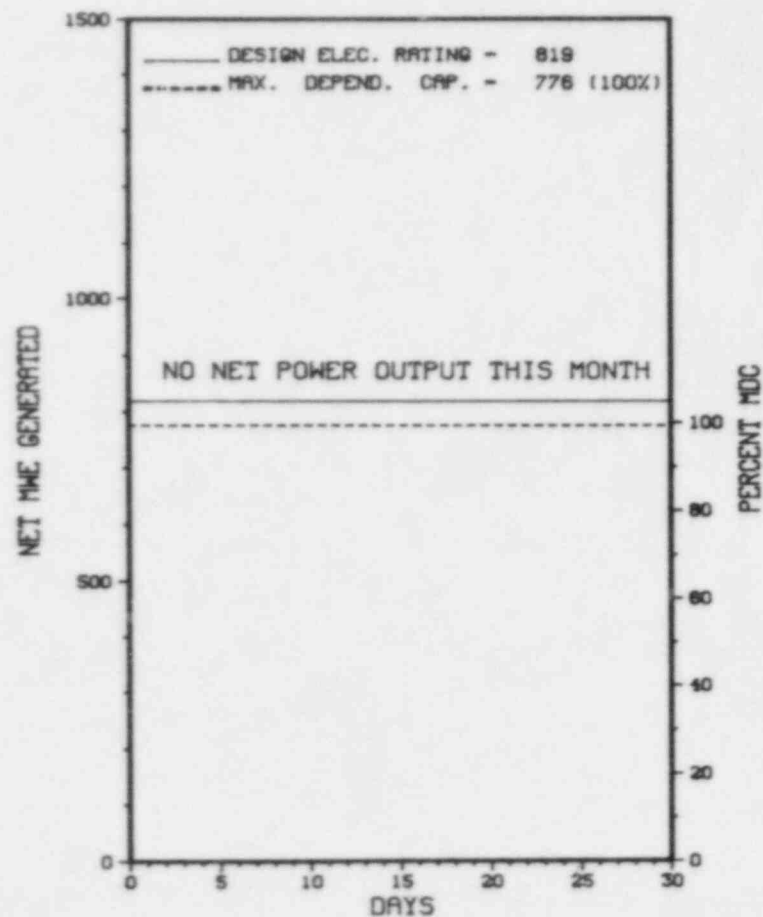
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

 * THREE MILE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/19/79	F	720.0	D	4		ZZ	ZZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

 * SUMMARY *

 THREE MILE ISLAND 1 REMAINS SHUT DOWN FOLLOWING THE ACCIDENT TO UNIT 2.

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

* THREE MILE ISLAND 1 *

FACILITY DATA

Report Period SEP 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST PCPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PHR
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 STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* THREE MILE ISLAND 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

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OPERATING STATUS

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: G. ZIMMERMAN (503) 226-8119

4. Licensed Thermal Power (Mbt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MHO): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>79,607.0</u>

13. Hours Reactor Critical	560.6	4,600.4	48,346.1
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14. Rx Reserve Shtdn Hrs	.0	.0	3,875.4
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15. Hrs Generator On-Line	<u>560.6</u>	<u>4,519.5</u>	<u>46,855.1</u>
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16. Unit Reserve Shtdwn Hrs .0 .0 3,237.0

17. Gross Therm Ener (MWH)	<u>1,911,975</u>	<u>15,080,952</u>	<u>149,067,114</u>
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18. Gross Elec Ener (MWH)	<u>616,161</u>	<u>4,858,897</u>	<u>48,394,677</u>
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19. Net Elec Ener (MWH)	<u>585,828</u>	<u>4,598,890</u>	<u>45,749,390</u>
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20. Unit Service Factor	<u>77.9</u>	<u>69.0</u>	<u>58.9</u>
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21. Unit Avail Factor	<u>77.9</u>	<u>69.0</u>	<u>62.9</u>
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22. Unit Cap Factor (MDC Net) 75.3 65.0 53.2

23. Unit Cap Factor (DER Net) 72.0 62.1 50.9

24. Unit Forced Outage Rate 0 6.0 16.1

25. Forced Outage Hours	_____0	_____287.8	_____9,010.4
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26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 10/01/85

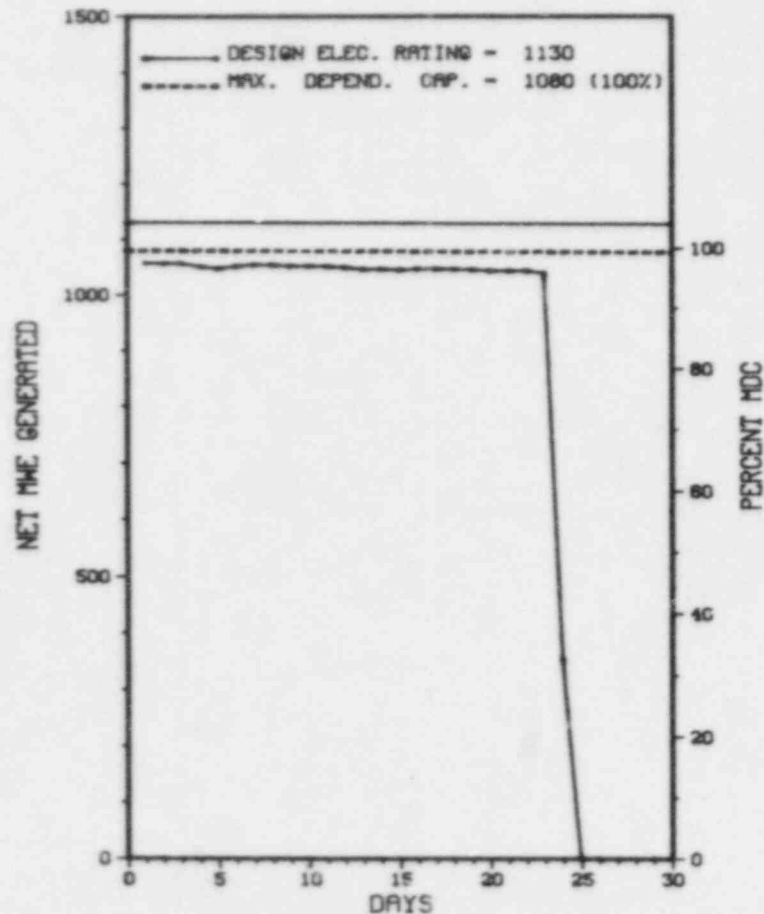
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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X                TROJAN                X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



SEPTEMBER 1985

Report Period SEP 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	159.4	A	3	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.

 * SUMMARY *

TROJAN 1 EXPERIENCED 1 OUTAGE IN SEPTEMBER AS DISCUSSED ABOVE.

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

X TROJAN X

FACILITY DATA

Report Period SEP 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 STATUS

INSPECTION SUMMARY

* INSPECTION ON JULY 2 - AUGUST 30, 1985 (REPORT NO. 50-344/85-21) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, REVIEW OF THE STARTUP TESTING PROGRAM, INSPECTION OF 10 CFR 21 REPORTING ACTIVITIES, AND INSPECTION OF VARIOUS ASPECTS OF PLANT OPERATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 342 INSPECTOR-HOURS ONSITE BY THE RESIDENT NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. HOWEVER, TWO ITEMS PERTAINING TO THE QUALITY OF ENGINEERING REVIEWS AND THE DISSEMINATION OF EQUIPMENT PROBLEM INFORMATION TO THE INDUSTRY WERE PRESENTED TO LICENSEE MANAGEMENT FOR CONSIDERATION.

* INSPECTION ON AUGUST 9-16, 1985 (REPORT NO. 50-344/85-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

* INSPECTION ON AUGUST 26 - SEPTEMBER 23, 1985 (REPORT NO. 50-344/85-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

* INSPECTION ON OCTOBER 14-18, 1985 (REPORT NO. 50-344/85-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

* INSPECTION ON AUGUST 26-30, 1985 (REPORT NO. 50-344/85-29) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF IE BULLETINS, NOTICES, OUTSTANDING OPEN ITEMS, AND IMPLEMENTATION OF SELECTED TMI ACTION ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 42 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

* TROJAN *

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

- + INSPECTION ON SEPTEMBER 9-27, 1985 (REPORT NO. 50-344/85-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 9-27, 1985 (REPORT NO. 50-344/85-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON AUGUST 31 - SEPTEMBER 30, 1985 (REPORT NO. 50-344/85-32) 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:

100% POWER

LAST IE SITE INSPECTION DATE: 10/14-18/85+

INSPECTION REPORT NO: 50-344/85-28+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (Mwt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

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

11. Reasons for Restrictions, If Any: NONE

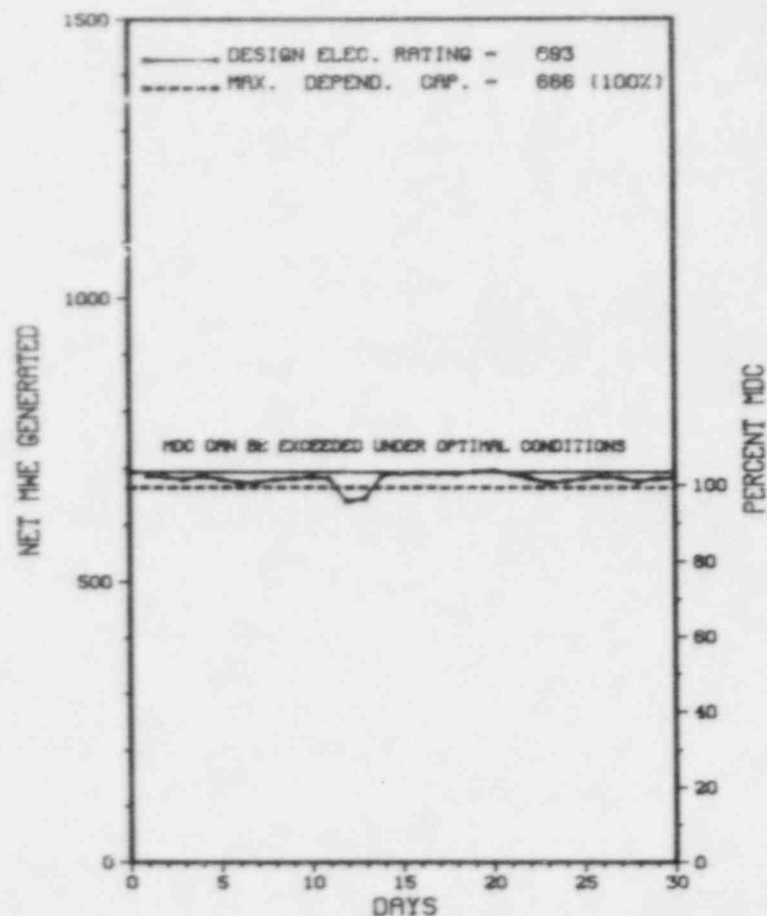
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>112,400.6</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,732.7</u>	<u>79,124.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,584.3</u>	<u>76,763.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,575,804</u>	<u>7,640,728</u>	<u>158,770,239</u>
18. Gross Elec Ener (MWH)	<u>515,090</u>	<u>2,497,440</u>	<u>50,753,135</u>
19. Net Elec Ener (MWH)	<u>490,657</u>	<u>2,354,627</u>	<u>48,051,833</u>
20. Unit Service Factor	<u>100.0</u>	<u>54.7</u>	<u>68.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>54.7</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>102.3</u>	<u>54.0</u>	<u>65.8</u> *
23. Unit Cap Factor (DER Net)	<u>98.3</u>	<u>51.9</u>	<u>61.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.4</u>	<u>6.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>330.6</u>	<u>4,469.2</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		

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

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* TURKEY POINT 3 *

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

* SUMMARY *

TURKEY POINT 3 OPERATED ROUTINELY IN SEPTEMBER WITH NO OUTAGES OR POWER REDUCTIONS REPORTED.

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

* TURKEY POINT 3 *

FACILITY DATA

Report Period SEP 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. PEEBLES
LICENSING PROJ MANAGER....D. MCDONALD
DOCKET NUMBER.....50-250
LICENSE & DATE ISSUANCE...DPR-31, JULY 19, 1972
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 12-16 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MAINTENANCE PROGRESS, INSPECTOR FOLLOWUP ITEMS, IE BULLETIN 79-02 "PIPE SUPPORT BASEPLATE DESIGNS AND CONCRETE EXPANSION ANCHOR BOLTS" AND GENERAL INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XIII, AS IMPLEMENTED BY FPL TOPICAL QUALITY ASSURANCE REPORT (FPL-NQA-100A) REVISION 6, TQR 13.0, HANDLING, STORAGE AND SHIPPING, REQUIRES, IN PART, THAT MEASURES BE ESTABLISHED TO CONTROL HANDLING OF EQUIPMENT IN ACCORDANCE WITH WORK AND INSPECTION INSTRUCTIONS TO PREVENT DAMAGE OR DETERIORATION. FPL QUALITY ASSURANCE MANUAL, QUALITY PROCEDURE (QP) 13.1, REVISION 4, DELINEATES REQUIREMENTS FOR THE HANDLING OF MATERIALS, PARTS AND COMPONENTS AT THE PLANT SITE AND IMPLEMENTS THE REQUIREMENTS OF 10 CFR 50 APPENDIX B CRITERION XIII AND ANSI N45.2.2-1972 PACKAGING, SHIPPING, RECEIVING, STORAGE AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS. QP 13.1, SECTION 5.4.2, INSPECTION OF EQUIPMENT, REQUIRES THAT PRIOR TO USE HANDLING EQUIPMENT SHALL BE INSPECTED FOR ACCEPTABILITY. THE EQUIPMENT SHALL NOT BE USED IF IT FAILS TO MEET MANUFACTURERS SPECIFICATIONS, IF IT IS FRAYED OR DETERIORATED OR IF IT CONTAINS CONTAMINANTS THAT WOULD BE DETRIMENTAL TO THE MATERIAL BEING HANDLED. CONTRARY TO THE ABOVE, HANDLING EQUIPMENT WHICH FAILED TO MEET QUALITY STANDARDS WAS USED IN THAT: (A) ON APRIL 29, 1985, A NYLON ROPE WAS KNOTTED AND FASHIONED INTO A SLING AND USED TO HOIST HAFNIUM BURNABLE POISON ASSEMBLIES. THE KNOTTED ROPE DID NOT MEET ANY MANUFACTURERS SPECIFICATIONS. FACTORY MANUFACTURED SLINGS WERE AVAILABLE FOR USE AND WERE NOT USED. (B) ON APRIL 29, 1985, AN

ENFORCEMENT SUMMARY

ELECTRIC HOIST IN THE UNIT 3 NEW FUEL STORAGE ROOM WAS USED TO LIFT HAFNIUM BURNABLE POISON ASSEMBLIES. THE HOIST CONTAINED CONTAMINANTS IN THE FORM OF GREASE WHICH DRIPPED ON A POISON ASSEMBLY RENDERING THE ASSEMBLY TEMPORARILY UNUSABLE. (C) ON MAY 9, 1985, NYLON SLINGS WERE USED TO HOIST A SECTION OF SAFETY RELATED PIPE. ONE OF THE SLINGS WAS FRAYED, WORN AND DETERIORATED. 10 CFR 50, APPENDIX B, CRITERION XV, AS IMPLEMENTED BY FPL TOPICAL QUALITY ASSURANCE REPORT REVISION 6, TQR 15.0, NONCONFORMING MATERIALS, PARTS OR COMPONENTS IN OPERATING PLANTS, AND AP 190.13, CORRECTIVE ACTION FOR CONDITIONS ADVERSE TO QUALITY, REQUIRE THAT CORRECTIVE ACTION BE INITIATED FOR CONDITIONS ADVERSE TO QUALITY. CONTRARY TO THE ABOVE, ON APRIL 29, 1985, DURING A RECEIPT INSPECTION OF HAFNIUM BURNABLE POISON INSERTS, A QUALITY CONTROL INSPECTOR OBSERVED A CONDITION ADVERSE TO QUALITY IN THAT GREASE WAS OBSERVED ON ONE INSERT, AND CORRECTIVE ACTION IN ACCORDANCE WITH APPROVED PLANT PROCEDURES WAS NOT IMPLEMENTED. THE INSERT WAS NOT REJECTED AND WAS NOT SEGREGATED FROM NONCONTAMINATED INSERTS. THE CLEANING AND REINSPECTION OF THE INSERT WAS NOT DOCUMENTED. 10 CFR 50, APPENDIX B, CRITERION VII, AS IMPLEMENTED BY FPL TOPICAL QUALITY ASSURANCE REPORT REVISION 6, TQR 7.0, CONTROL OF PURCHASED ITEMS AND SERVICES, REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT PURCHASED MATERIAL CONFORMS TO THE REQUIREMENTS OF APPLICABLE PROCUREMENT DOCUMENTS. TO THIS END THE FPL QUALITY ASSURANCE PROGRAM INCORPORATES THE REQUIREMENTS OF ANSI N45.2.2-1972, PACKAGING, SHIPPING, RECEIVING, STORAGE AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS. QP 7.1 SPECIFIES THAT RECEIPT INSPECTIONS OF NUCLEAR FUEL WILL BE PERFORMED IN ACCORDANCE WITH SITE SPECIFIC PROCEDURES. OPERATING PROCEDURE (OP) 16009.11, ON-SITE UNPACKING, INSPECTION AND MANUAL LOADING OF HAFNIUM VESSEL FLUX DEPRESSION ASSEMBLIES, SPECIFIES THE MINIMUM RECEIPT INSPECTION CRITERIA FOR THE HAFNIUM POISON INSERTS. CONTRARY TO THE ABOVE, ON APRIL 29, 1985, THE RECEIPT INSPECTION OF THE HAFNIUM POISON INSERTS WAS INADEQUATE, IN THAT: (A) THE RECEIPT INSPECTION DID NOT VERIFY THAT THE PURCHASED MATERIAL CONFORMED TO THE PROCUREMENT DOCUMENTS. (B) SPECIFIC CRITERIA WERE NOT ESTABLISHED WITH WHICH TO DETERMINE THAT DAMAGE HAD NOT OCCURRED TO THE INSERTS AND THAT THE INSERTS WERE SUFFICIENTLY CLEAN. (C) A PRELIMINARY VISUAL INSPECTION OF THE SHIPPING CONTAINERS WAS NOT DOCUMENTED AFTER UNLOADING THE CONTAINERS. THE INSPECTION PROCEDURE DID NOT SPECIFY THAT THE PRELIMINARY VISUAL INSPECTION DETERMINE IF DAMAGE HAD BEEN SUSTAINED DUE TO FIRE, EXPOSURE, ROUGH HANDLING OF TIE DOWN FAILURE.

10 CFR 50.55A(G) REQUIRES ASME CODE TESTING FOR CLASS 3 COMPONENTS. ASME CODE, SECTION XI (1974 EDITION) IWD-1000 REQUIREMENTS APPLY TO CLASS 3 PRESSURE-RETAINING COMPONENTS AND IWD-2000 REQUIRES INSPECTION OF THE COMPONENTS EACH INSPECTION INTERVAL. IWD-2600 REQUIRES THE VISUAL EXAMINATION TO BE CONDUCTED OF THE COMPONENTS DURING SYSTEM TESTS FOR EVIDENCE OF STRUCTURAL DISTRESS OR CORROSION. CONTRARY TO THE ABOVE, DURING THE SYSTEM INSERVICE TESTING FOR THE CLASS 3 INTAKE COOLING WATER (ICW) SYSTEM ON UNIT 3 IN DECEMBER 1983 AND ON UNIT 4 IN MAY 1984, VISUAL INSPECTIONS FOR EVIDENCE OF STRUCTURAL DISTRESS OR CORROSION WERE NOT DONE FOR PIPING AND BOLTED CONNECTIONS WHICH WERE LOCATED BETWEEN THE ICW PUMP DISCHARGE CHECK VALVE AND THE HEADER ISOLATION VALVES. CONTRARY TO TS 6.8.1, ANSI W18-7-1972 AND APPENDIX A OF RG 1.33, PROCEDURE AP 0190.10 WAS NOT IMPLEMENTED IN THAT: (1) DURING THE OVERHAUL OF THE 3A RESIDUAL HEAT REMOVAL PUMP, OPEN FLANGES IN THE SAFETY-RELATED COMPONENT COOLING WATER SUPPLY TO THE PUMP WERE NOT PROTECTED FROM FOREIGN MATERIAL CONTAMINANTS. (2) DURING THE REMOVAL OF THE REACTOR VESSEL HEAD CLOSURE STUDS, THE STUD INSERT HOLES WERE NOT PROTECTED FROM FOREIGN MATERIAL CONTAMINANTS. CONTRARY TO APPENDIX A OF RG 1.33, HEALTH PHYSICS ADMINISTRATIVE PROCEDURE O-HPA-002, WAS NOT IMPLEMENTED IN THAT: (1) ON APRIL 30, 1985, ONE INDIVIDUAL, WORKING IN THE UNIT 3 SPENT FUEL POOL AREA, FAILED TO COMPLY WITH THE PROTECTIVE CLOTHING REQUIREMENTS OF RWP 85-500 IN THAT HE DID NOT WEAR A FULL HOOD WHILE USING A COMMUNICATIONS HEADSET. (2) ON MAY 14, 1985, ONE INDIVIDUAL ENTERED THE UNIT 3 CHARGING PUMP ROOM AND FAILED TO COMPLY WITH THE PROTECTIVE CLOTHING REQUIREMENTS OF RWP 85-014 IN THAT HE DID NOT WEAR GLOVES. CONTRARY TO ANSI N18.7-1972, SECTION 5.3.5(2), AS OF MAY 8, 1985, SECTION 8.5.1 OF AP 103.11 WAS NOT IMPLEMENTED, SINCE WASTE AND DEBRIS GENERATED DURING WORK IN THE UNITS 3 AND 4 CASK WASH AREAS AND THE UNIT 3 NEW FUEL STORAGE AREA WAS NOT REMOVED AT THE END OF THE WORK SHIFT. EQUIPMENT USED IN THE CASK WASH AREAS WAS NOT PROPERLY STORED. TS 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTIONS 5.1 AND 5.3 OF ANSI N18.7-1972 AND APPENDIX A OF USNRC REGULATORY GUIDE 1.33. ANSI N18.7-1972, SECTION 5.1.6.3, SCHEDULING OF MAINTENANCE, REQUIRES THAT MAINTENANCE BE SCHEDULED AND PLANNED SO AS NOT TO JEOPARDIZE THE SAFETY OF THE REACTOR. PLANNING SHALL CONSIDER THE POSSIBLE SAFETY CONSEQUENCES OF CONCURRENT OR SEQUENTIAL MAINTENANCE, TESTING OR OPERATING ACTIVITIES. EQUIPMENT REQUIRED TO BE OPERABLE FOR THE MODE IN WHICH THE REACTOR EXISTS SHALL BE AVAILABLE, AND MAINTENANCE SHALL BE PERFORMED IN MANNER SUCH THAT THE LICENSE LIMITS ARE NOT VIOLATED. CONTRARY TO THE ABOVE, AS OF APRIL 25, 1985, WRITTEN PROCEDURES AND POLICIES WERE NOT ESTABLISHED TO IMPLEMENT THE REQUIREMENTS OF ANSI N18.7-1972, SECTION 5.1, IN THAT THE A TRAIN EMERGENCY DIESEL GENERATOR WAS TAKEN OUT OF SERVICE FOR PREVENTIVE MAINTENANCE AT A TIME WHEN ITS OPERATION WAS REQUIRED TO SUPPORT THE REACTOR OPERATING MODE. CONCURRENT MAINTENANCE ON THE 3B 4160 VOLT VITAL BUS WAS NOT CONSIDERED IN PLANNING THE MAINTENANCE ACTIVITY. CONSEQUENTLY, ONLY ONE OF TWO SAFETY INJECTION PUMPS, ASSUMED TO BE OPERABLE IN THE SAFETY ANALYSIS REPORT AND REQUIRED FOR OPERATION BY THE TECHNICAL SPECIFICATIONS, HAD BOTH ITS NORMAL AND EMERGENCY POWER SUPPLIES.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

THE FACILITY OPERATING LICENSES, DPR-31 AND DPR-41, SECTION III, MAKE THE LICENSES SUBJECT TO 10 CFR 50.59. 10 CFR 50.59 ALLOWS THE HOLDER OF A LICENSE TO MAKE CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT (SAR) WITHOUT PRIOR COMMISSION APPROVAL UNLESS IT INVOLVES A CHANGE TO THE TECHNICAL SPECIFICATIONS OR IS AN UNREVIEWED SAFETY QUESTION. RECORDS OF DETERMINATION MUST BE KEPT AND A REPORT SENT TO NRC ANNUALLY. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO OPERATE SPENT FUEL PIT (SFP) SYSTEMS IN ACCORDANCE WITH THE ASSUMPTIONS AND STATEMENTS OF THE AGGREGATE SAR AND NO 10 CFR 50.59 REVIEW WAS MADE NOR RECORDS KEPT NOR REPORT SENT. SPECIFICALLY, THE SFP PUMP SUCTION PIPING WAS ALIGNED SUCH THAT A BREAK COULD HAVE DRAINED THE SFP. THIS WAS CONTRARY TO THE SAR AND WAS AN UNREVIEWED SAFETY QUESTION AND A LICENSE AMENDMENT SHOULD HAVE BEEN SOUGHT. ADDITIONALLY, THE LICENSEE SUBMITTED MODIFIED SAR IN 1976 AND 1984 FOR THE INCREASE IN SFP CAPACITY AND RELINING AND THE REVIEW SHOULD HAVE IDENTIFIED THE MODIFICATIONS TO THE SYSTEM. OTHER INADEQUATE REVIEWS ALLOWED THE FOLLOWING CONDITIONS TO PERSIST: NORMAL OPERATING SFP DESIGN PARAMETERS WERE NOT MAINTAINED, WHICH CAUSED ABNORMAL SFP OPERATING CONDITIONS; TEMPERATURE AND LEVEL INDICATORS IN THE CONTROL ROOM WERE NOT OPERABLE TO WARN OF MALFUNCTIONS; AND RADIATION LEVELS INCREASED AND SHIELDING CHANGED. (8502 3)

CONTRARY TO TS 6.8.1, THE LICENSEE FAILED TO: (A) ESTABLISH ADEQUATE MAINTENANCE PROCEDURES TO ENSURE THE PROPER WIRING OF THE D.C. INPUT FILTER CIRCUIT OF THE 4A STATIC INVERTER WHICH RESULTED IN THE MISWIRING OF THE FILTER CIRCUIT AND CONTRIBUTED TO REACTOR TRIPS ON SEPTEMBER 20, 1984, AND OCTOBER 9, 1984. (B) IMPLEMENT ADMINISTRATIVE PROCEDURE 0190.19, CONTROL OF MAINTENANCE ON NUCLEAR SAFETY RELATED AND FIRE PROTECTION SYSTEMS, IN THE REWIRING OF THE INPUT FILTER SECTION OF THE 4A INVERTER TO CORRECT THE DEFICIENCY IDENTIFIED IN EXAMPLE (A) ABOVE. THIS REWIRING WAS PERFORMED UNDER PLANT WORK ORDER (PWO) 407615 WHICH DID NOT DEFINE THE WORK TO BE DONE OR ANY QC INSPECTIONS OR HOLD POINTS. (C) ESTABLISH ABNORMAL OPERATION PROCEDURES TO CONTEND WITH THE LOSS OF THE 4A MOTOR CONTROL CENTER WHICH RESULTED IN THE 4AA05 AND 4AB05 BUS SUPPLY FANS BEING RENDERED INOPERABLE DUE TO OPERATORS FAILING TO CLOSE BREAKER 40521 DURING ATTEMPTS TO RESTORE POWER TO THE 4A MOTOR CONTROL CENTER AFTER IT HAD TRIPPED ON MAY 17, 1985. (D) IMPLEMENT ADMINISTRATIVE PROCEDURE 0103.3, USE OF TEMPORARY SYSTEM ALTERATIONS ON JULY 6, 1984, FOR A TEMPORARY SYSTEM ALTERATION TO THE 3C ACCUMULATOR HI-LOW LEVEL CIRCUIT. (E) IMPLEMENT MAINTENANCE PROCEDURE 9707.1, INVERTER PERIODIC INSPECTION, WHILE PLACING THE 3C INVERTER IN SERVICE. THE D.C. INPUT BREAKER WAS CLOSED PRIOR TO CHARGING THE CAPACITORS RESULTING IN A TRIP OF THE 3C INVERTER, THE 4C INVERTER, AND A UNIT 4 REACTOR TRIP ON JUNE 20, 1985. (F) PERFORM PM-74035, CALORIMETRIC INSTRUMENTATION PERIODIC CALIBRATION, MP-0707.8 AT THE FREQUENCY DESIGNATED BY THE COMPUTERIZED PREVENTIVE MAINTENANCE PROGRAM FILE OF 153 DAYS AND FAILED TO CONDUCT THE CALIBRATION IN A TIMELY MANNER AS SPECIFIED BY ADMINISTRATIVE PROCEDURE 0190.26, SECTION 8.51.

(8502 4)

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

Report Period SEP 1985

INSPECTION STATUS - (CONTINUED)

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*          TURKEY POINT 3          *
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OTHER ITEMS

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: AUGUST 12-16, 1985 +

INSPECTION REPORT NO: 50-250/85-28 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-019	07/21/85	08/20/85	REACTOR TRIP AND AUXILIARY FEEDWATER INITIATION, THE MOST PROBABLE CAUSE WAS A LIGHTNING STRIKE.
85-022	07/29/85	08/27/85	REACTOR PROTECTION SYSTEM ACTUATION-REACTOR TRIP, THE CAUSE OF THE TRIP WAS DUE TO DIRTY CONTACTS ON ONE NIS CHANNEL.
85-023	08/01/85	09/03/85	REACTOR PROTECTION SYSTEM ACTUATION-REACTOR TRIP, THE REASON FOR THE BS INVERTER TRIP WAS DUE TO THE FAILURE OF THE OSCILLATOR AND LOGIC POWER SUPPLY MODULE.
85-024	07/26/85	08/26/85	TECHNICAL SPECIFICATION-AUXILIARY FEEDWATER, FAILURE OF THE VALVE TO STROKE FULLY CLOSED WAS THE RESULT OF A MISADJUSTED POSITIONER.

1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>106,128.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,891.4</u>	<u>75,610.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,842.2</u>	<u>73,089.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,556,865</u>	<u>12,551,451</u>	<u>154,690,557</u>
18. Gross Elec Ener (MWH)	<u>499,165</u>	<u>4,037,730</u>	<u>49,230,187</u>
19. Net Elec Ener (MWH)	<u>475,328</u>	<u>3,834,367</u>	<u>46,620,697</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.2</u>	<u>68.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.2</u>	<u>68.9</u>
22. Unit Cap Factor (MDC Net)	<u>99.1</u>	<u>87.9</u>	<u>67.6*</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>84.5</u>	<u>63.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.2</u>	<u>6.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>590.4</u>	<u>4,628.5</u>

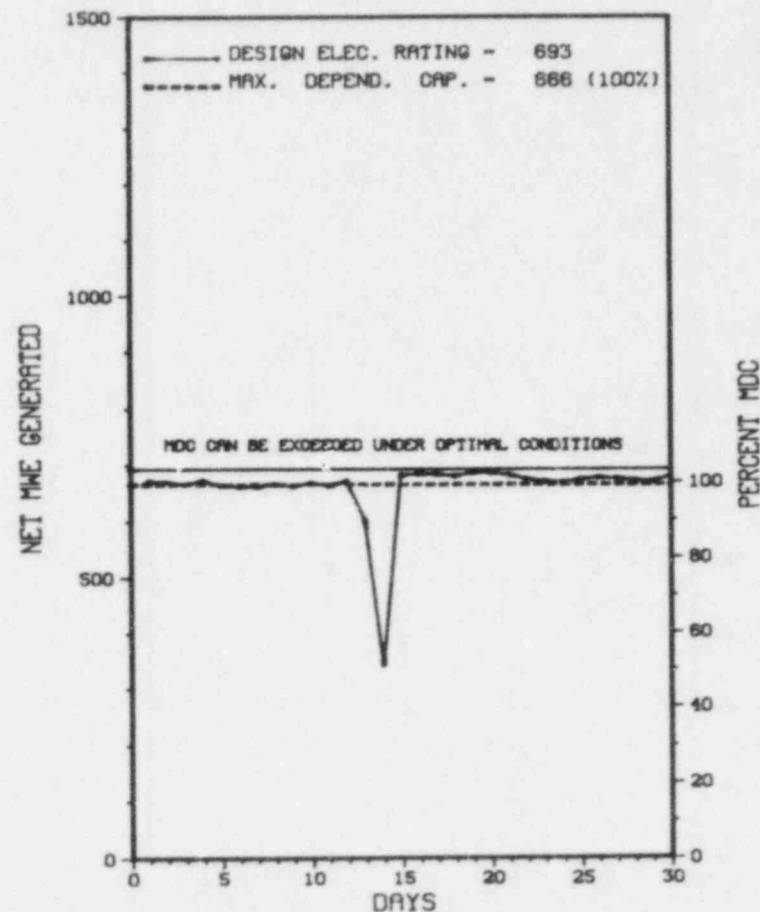
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): NONE

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

 * TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
19	09/13/85	S	0.0	A	5			POWER WAS REDUCED TO 50% FOR APPROXIMATELY 28.5 HOURS IN ORDER TO REPAIR A FEEDWATER PUMP SUCTION LINE. THE UNIT THEN RETURNED TO FULL POWER OPERATION.

* SUMMARY *

TURKEY POINT 4 OPERATED ROUTINELY IN SEPTEMBER.

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)

* KEY POINT 4 *

FACILITY DATA

Report Period SEP 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. PEEBLES
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-251
LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973
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MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 12-16 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MAINTENANCE PROGRESS, INSPECTOR FOLLOWUP ITEMS, IE BULLETIN 79-02 "PIPE SUPPORT BASEPLATE DESIGNS AND CONCRETE EXPANSION ANCHOR BOLTS" AND GENERAL INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XIII, AS IMPLEMENTED BY FPL TOPICAL QUALITY ASSURANCE REPORT (FPL-NQA-100A) REVISION 6, TQR 13.0, HANDLING, STORAGE AND SHIPPING, REQUIRES, IN PART, THAT MEASURES BE ESTABLISHED TO CONTROL HANDLING OF EQUIPMENT IN ACCORDANCE WITH WORK AND INSPECTION INSTRUCTIONS TO PREVENT DAMAGE OR DETERIORATION. FPL QUALITY ASSURANCE MANUAL, QUALITY PROCEDURE (QP) 13.1, REVISION 4, DELINEATES REQUIREMENTS FOR THE HANDLING OF MATERIALS, PARTS AND COMPONENTS AT THE PLANT SITE AND IMPLEMENTS THE REQUIREMENTS OF 10 CFR 50 APPENDIX B CRITERION XIII AND ANSI N45.2.2-1972 PACKAGING, SHIPPING, RECEIVING, STORAGE AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS. QP 13.1, SECTION 5.4.2, INSPECTION OF EQUIPMENT, REQUIRES THAT PRIOR TO USE HANDLING EQUIPMENT SHALL BE INSPECTED FOR ACCEPTABILITY. THE EQUIPMENT SHALL NOT BE USED IF IT FAILS TO MEET MANUFACTURERS SPECIFICATIONS, IF IT IS FRAYED OR DETERIORATED OR IF IT CONTAINS CONTAMINANTS THAT WOULD BE DETRIMENTAL TO THE MATERIAL BEING HANDLED. CONTRARY TO THE ABOVE, HANDLING EQUIPMENT WHICH FAILED TO MEET QUALITY STANDARDS WAS USED IN THAT: (A) ON APRIL 29, 1985, A NYLON ROPE WAS KNOTTED AND FASHIONED INTO A SLING AND USED TO HOIST HAFNIUM BURNABLE POISON ASSEMBLIES. THE KNOTTED ROPE DID NOT MEET ANY MANUFACTURERS SPECIFICATIONS. FACTORY MANUFACTURED SLINGS WERE AVAILABLE FOR USE AND WERE NOT USED. (B) ON APRIL 29, 1985, AN

ELECTRIC HOIST IN THE UNIT 3 NEW FUEL STORAGE ROOM WAS USED TO LIFT HAFNIUM BURNABLE POISON ASSEMBLIES. THE HOIST CONTAINED CONTAMINANTS IN THE FORM OF GREASE WHICH DRIPPED ON A POISON ASSEMBLY RENDERING THE ASSEMBLY TEMPORARILY UNSUABLE. (C) ON MAY 9, 1985, NYLON SLINGS WERE USED TO HOIST A SECTION OF SAFETY RELATED PIPE. ONE OF THE SLINGS WAS FRAYED, WORN AND DETERIORATED. 10 CFR 50, APPENDIX B, CRITERION XV, AS IMPLEMENTED BY FPL TOPICAL QUALITY ASSURANCE REPORT REVISION 6, TQR 15.0, NONCONFORMING MATERIALS, PARTS OR COMPONENTS IN OPERATING PLANTS, AND AP 190.13, CORRECTIVE ACTION FOR CONDITIONS ADVERSE TO QUALITY, REQUIRE THAT CORRECTIVE ACTION BE INITIATED FOR CONDITIONS ADVERSE TO QUALITY. CONTRARY TO THE ABOVE, ON APRIL 29, 1985, DURING A RECEIPT INSPECTION OF HAFNIUM BURNABLE POISON INSERTS, A QUALITY CONTROL INSPECTOR OBSERVED A CONDITION ADVERSE TO QUALITY IN THAT GREASE WAS OBSERVED ON ONE INSERT, AND CORRECTIVE ACTION IN ACCORDANCE WITH APPROVED PLANT PROCEDURES WAS NOT IMPLEMENTED. THE INSERT WAS NOT REJECTED AND WAS NOT SEGREGATED FROM NONCONTAMINATED INSERTS. THE CLEANING AND REINSPECTION OF THE INSERT WAS NOT DOCUMENTED. 10 CFR 50, APPENDIX B, CRITERION VII, AS IMPLEMENTED BY FPL TOPICAL QUALITY ASSURANCE REPORT REVISION 6, TQR 7.0, CONTROL OF PURCHASED ITEMS AND SERVICES, REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT PURCHASED MATERIAL CONFORMS TO THE REQUIREMENTS OF APPLICABLE PROCUREMENT DOCUMENTS. TO THIS END THE FPL QUALITY ASSURANCE PROGRAM INCORPORATES THE REQUIREMENTS OF ANSI N45.2.2-1972, PACKAGING, SHIPPING, RECEIVING, STORAGE AND HANDLING OF ITEMS FOR NUCLEAR POWER PLANTS. QP 7.1 SPECIFIES THAT RECEIPT INSPECTIONS OF NUCLEAR FUEL WILL BE PERFORMED IN ACCORDANCE WITH SITE SPECIFIC PROCEDURES. OPERATING PROCEDURE (OP) 16009.11, ON-SITE UNPACKING, INSPECTION AND MANUAL LOADING OF HAFNIUM VESSEL FLUX DEPRESSION ASSEMBLIES, SPECIFIES THE MINIMUM RECEIPT INSPECTION CRITERIA FOR THE HAFNIUM POISON INSERTS. CONTRARY TO THE ABOVE, ON APRIL 29, 1985, THE RECEIPT INSPECTION OF THE HAFNIUM POISON INSERTS WAS INADEQUATE, IN THAT: (A) THE RECEIPT INSPECTION DID NOT VERIFY THAT THE PURCHASED MATERIAL CONFORMED TO THE PROCUREMENT DOCUMENTS. (B) SPECIFIC CRITERIA WERE NOT ESTABLISHED WITH WHICH TO DETERMINE THAT DAMAGE HAD NOT OCCURRED TO THE INSERTS AND THAT THE INSERTS WERE SUFFICIENTLY CLEAN. (C) A PRELIMINARY VISUAL INSPECTION OF THE SHIPPING CONTAINERS WAS NOT DOCUMENTED AFTER UNLOADING THE CONTAINERS. THE INSPECTION PROCEDURE DID NOT SPECIFY THAT THE PRELIMINARY VISUAL INSPECTION DETERMINE IF DAMAGE HAD BEEN SUSTAINED DUE TO FIRE, EXPOSURE, ROUGH HANDLING OF TIE DOWN FAILURE.

10 CFR 50.55A(G) REQUIRES ASME CODE TESTING FOR CLASS 3 COMPONENTS. ASME CODE, SECTION XI (1974 EDITION) IWD-1000 REQUIREMENTS APPLY TO CLASS 3 PRESSURE-RETAINING COMPONENTS AND IWD-2000 REQUIRES INSPECTION OF THE COMPONENTS EACH INSPECTION INTERVAL. IWD-2600 REQUIRES THE VISUAL EXAMINATION TO BE CONDUCTED OF THE COMPONENTS DURING SYSTEM TESTS FOR EVIDENCE OF STRUCTURAL DISTRESS OR CORROSION. CONTRARY TO THE ABOVE, DURING THE SYSTEM INSERVICE TESTING FOR THE CLASS 3 INTAKE COOLING WATER (ICW) SYSTEM ON UNIT 3 IN DECEMBER 1983 AND ON UNIT 4 IN MAY 1984, VISUAL INSPECTIONS FOR EVIDENCE OF STRUCTURAL DISTRESS OR CORROSION WERE NOT DONE FOR PIPING AND BOLTED CONNECTIONS WHICH WERE LOCATED BETWEEN THE ICW PUMP DISCHARGE CHECK VALVE AND THE HEADER ISOLATION VALVES. CONTRARY TO TS 6.8.1, ANSI N18-7-1972 AND APPENDIX A OF RG 1.33, PROCEDURE AP 0190.10 WAS NOT IMPLEMENTED IN THAT: (1) DURING THE OVERHAUL OF THE 3A RESIDUAL HEAT REMOVAL PUMP, OPEN FLANGES IN THE SAFETY-RELATED COMPONENT COOLING WATER SUPPLY TO THE PUMP WERE NOT PROTECTED FROM FOREIGN MATERIAL CONTAMINANTS. (2) DURING THE REMOVAL OF THE REACTOR VESSEL HEAD CLOSURE STUDS, THE STUD INSERT HOLES WERE NOT PROTECTED FROM FOREIGN MATERIAL CONTAMINANTS. CONTRARY TO APPENDIX A OF RG 1.33, HEALTH PHYSICS ADMINISTRATIVE PROCEDURE 0-HPA-002, WAS NOT IMPLEMENTED IN THAT: (1) ON APRIL 30, 1985, ONE INDIVIDUAL, WORKING IN THE UNIT 3 SPENT FUEL POOL AREA, FAILED TO COMPLY WITH THE PROTECTIVE CLOTHING REQUIREMENTS OF RWP 85-500 IN THAT HE DID NOT WEAR A FULL HOOD WHILE USING A COMMUNICATIONS HEADSET. (2) ON MAY 14, 1985, ONE INDIVIDUAL ENTERED THE UNIT 3 CHARGING PUMP ROOM AND FAILED TO COMPLY WITH THE PROTECTIVE CLOTHING REQUIREMENTS OF RWP 85-014 IN THAT HE DID NOT WEAR GLOVES. CONTRARY TO ANSI N18-7-1972, SECTION 5.3.5.(2), AS OF MAY 8, 1985, SECTION 8.5.1 OF AP 103.11 WAS NOT IMPLEMENTED, SINCE WASTE AND DEBRIS GENERATED DURING WORK IN THE UNITS 3 AND 4 CASK WASH AREAS AND THE UNIT 3 NEW FUEL STORAGE AREA WAS NOT REMOVED AT THE END OF THE WORK SHIFT. EQUIPMENT USED IN THE CASK WASH AREAS WAS NOT PROPERLY STORED. TS 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTIONS 5.1 AND 5.3 OF ANSI 18.7-1972 AND APPENDIX A OF USNRC REGULATORY GUIDE 1.33. ANSI N18.7-1972, SECTION 5.1.6.3, SCHEDULING OF MAINTENANCE, REQUIRES THAT MAINTENANCE BE SCHEDULED AND PLANNED SO AS NOT TO JEOPARDIZE THE SAFETY OF THE REACTOR. PLANNING SHALL CONSIDER THE POSSIBLE SAFETY CONSEQUENCES OF CONCURRENT OR SEQUENTIAL MAINTENANCE, TESTING OR OPERATING ACTIVITIES. EQUIPMENT REQUIRED TO BE OPERABLE FOR THE MODE IN WHICH THE REACTOR EXISTS SHALL BE AVAILABLE, AND MAINTENANCE SHALL BE PERFORMED IN MANNER SUCH THAT THE LICENSE LIMITS ARE NOT VIOLATED. CONTRARY TO THE ABOVE, AS OF APRIL 25, 1985, WRITTEN PROCEDURES AND POLICIES WERE NOT ESTABLISHED TO IMPLEMENT THE REQUIREMENTS OF ANSI N18.7-1972, SECTION 5.1, IN THAT THE A TRAIN EMERGENCY DIESEL GENERATOR WAS TAKEN OUT OF SERVICE FOR PREVENTIVE MAINTENANCE AT A TIME WHEN ITS OPERATION WAS REQUIRED TO SUPPORT THE REACTOR OPERATING MODE. CONCURRENT MAINTENANCE ON THE 3B 4160 VOLT VITAL BUS WAS NOT CONSIDERED IN PLANNING THE MAINTENANCE ACTIVITY. CONSEQUENTLY, ONLY ONE OF TWO SAFETY INJECTION PUMPS, ASSUMED TO BE OPERABLE IN THE SAFETY ANALYSIS REPORT AND REQUIRED FOR OPERATION BY THE TECHNICAL SPECIFICATIONS, HAD BOTH ITS NORMAL AND EMERGENCY POWER SUPPLIES.

Report Period SEP 1985

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

* TURKEY POINT 4 *

ENFORCEMENT SUMMARY

(8501 4)

THE FACILITY OPERATING LICENSES, DPR-31 AND DPR-41, SECTION III, MAKE THE LICENSES SUBJECT TO 10 CFR 50.59. 10 CFR 50.59 ALLOWS THE HOLDER OF A LICENSE TO MAKE CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT (SAR) WITHOUT PRIOR COMMISSION APPROVAL UNLESS IT INVOLVES A CHANGE TO THE TECHNICAL SPECIFICATIONS OR IS AN UNREVIEWED SAFETY QUESTION. RECORDS OF DETERMINATION MUST BE KEPT AND A REPORT SENT TO NRC ANNUALLY. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO OPERATE SPENT FUEL PIT (SFP) SYSTEMS IN ACCORDANCE WITH THE ASSUMPTIONS AND STATEMENTS OF THE AGGREGATE SAR AND NO 10 CFR 50.59 REVIEW WAS MADE NOR RECORDS KEPT NOR REPORT SENT. SPECIFICALLY, THE SFP PUMP SUCTION PIPING WAS ALIGNED SUCH THAT A BREAK COULD HAVE DRAINED THE SFP. THIS WAS CONTRARY TO THE SAR AND WAS AN UNREVIEWED SAFETY QUESTION AND A LICENSE AMENDMENT SHOULD HAVE BEEN SOUGHT. ADDITIONALLY: THE LICENSEE SUBMITTED MODIFIED SAR IN 1976 AND 1984 FOR THE INCREASE IN SFP CAPACITY AND RELINING AND THE REVIEW SHOULD HAVE IDENTIFIED THE MODIFICATIONS TO THE SYSTEM. OTHER INADEQUATE REVIEWS ALLOWED THE FOLLOWING CONDITIONS TO PERSIST: NORMAL OPERATING SFP DESIGN PARAMETERS WERE NOT MAINTAINED, WHICH CAUSED ABNORMAL SFP OPERATING CONDITIONS; TEMPERATURE AND LEVEL INDICATORS IN THE CONTROL ROOM WERE NOT OPERABLE TO WARN OF MALFUNCTIONS; AND RADIATION LEVELS INCREASED AND SHIELDING CHANGED. (8502 3)

CONTRARY TO TS 6.8.1, THE LICENSEE FAILED TO: (A) ESTABLISH ADEQUATE MAINTENANCE PROCEDURES TO ENSURE THE PROPER WIRING OF THE D.C. INPUT FILTER CIRCUIT OF THE 4A STATIC INVERTER WHICH RESULTED IN THE MISHIRING OF THE FILTER CIRCUIT AND CONTRIBUTED TO REACTOR TRIPS ON SEPTEMBER 20, 1984, AND OCTOBER 9, 1984. (B) IMPLEMENT ADMINISTRATIVE PROCEDURE 0190.19, CONTROL OF MAINTENANCE ON NUCLEAR SAFETY RELATED AND FIRE PROTECTION SYSTEMS, IN THE REWIRING OF THE INPUT FILTER SECTION OF THE 4A INVERTER TO CORRECT THE DEFICIENCY IDENTIFIED IN EXAMPLE (A) ABOVE. THIS REWIRING WAS PERFORMED UNDER PLANT WORK ORDER (PHO) 407615 WHICH DID NOT DEFINE THE WORK TO BE DONE OR ANY QC INSPECTIONS OR HOLD POINTS. (C) ESTABLISH ABNORMAL OPERATION PROCEDURES TO CONTEND WITH THE LOSS OF THE 4A MOTOR CONTROL CENTER WHICH RESULTED IN THE 4AA05 AND 4AB05 BUS SUPPLY FANS BEING RENDERED INOPERABLE DUE TO OPERATORS FAILING TO CLOSE BREAKER 40521 DURING ATTEMPTS TO RESTORE POWER TO THE 4A MOTOR CONTROL CENTER AFTER IT HAD TRIPPED ON MAY 17, 1985. (D) IMPLEMENT ADMINISTRATIVE PROCEDURE 0103.3, USE OF TEMPORARY SYSTEM ALTERATIONS ON JULY 6, 1984, FOR A TEMPORARY SYSTEM ALTERATION TO THE 3C ACCUMULATOR HI-LOW LEVEL CIRCUIT. (E) IMPLEMENT MAINTENANCE PROCEDURE 9707.1, INVERTER PERIODIC INSPECTION, WHILE PLACING THE 3C INVERTER IN SERVICE. THE D.C. INPUT BREAKER WAS CLOSED PRIOR TO CHARGING THE CAPACITORS RESULTING IN A TRIP OF THE 3C INVERTER, THE 4C INVERTER, AND A UNIT 4 REACTOR TRIP ON JUNE 20, 1985. (F) PERFORM PM-74035, CALORIMETRIC INSTRUMENTATION PERIODIC CALIBRATION, MP-0707.8 AT THE FREQUENCY DESIGNATED BY THE COMPUTERIZED PREVENTIVE MAINTENANCE PROGRAM FILE OF 153 DAYS AND FAILED TO CONDUCT THE CALIBRATION IN A TIMELY MANNER AS SPECIFIED BY ADMINISTRATIVE PROCEDURE 0190.26, SECTION 8.51. (8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

Report Period SEP 1985

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

* TURKEY POINT 4 *

OTHER ITEMS

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: AUGUST 12-16, 1985 +

INSPECTION REPORT NO: 50-251/85-28 +

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

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NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
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85-019      07/17/85    08/16/85    REACTOR TRIP AND SAFEGUARDS INITIATION, THE CAUSE WAS DUE TO THE FAILURE OF A CURRENT LIMITING
            06/26/85    09/06/85    CARD.
85-020      06/26/85    09/06/85    CONTAINMENT INTEGRITY, THE TSA PROCEDURE HAS BEEN RECENTLY REVIEWED AND REVISED.
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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: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: F. J. BURGER (802) 257-7711 X136

4. Licensed Thermal Power (MWt): 1593

5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563

6. Design Electrical Rating (Net MWe): 514

7. Maximum Dependable Capacity (Gross MWe): 535

8. Maximum Dependable Capacity (Net MWe): 504

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>114,193.8</u>
13. Hours Reactor Critical	<u>481.2</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>477.7</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>607,388</u>	<u>9,550,619</u>	<u>132,109,618</u>
18. Gross Elec Ener (MWH)	<u>195,419</u>	<u>3,166,154</u>	<u>43,955,902</u>
19. Net Elec Ener (MWH)	<u>181,060</u>	<u>2,999,402</u>	<u>41,700,250</u>
20. Unit Service Factor	<u>66.3</u>	<u>96.0</u>	<u>79.4</u>
21. Unit Avail Factor	<u>66.3</u>	<u>96.0</u>	<u>79.4</u>
22. Unit Cap Factor (MDC Net)	<u>49.9</u>	<u>90.8</u>	<u>72.5</u>
23. Unit Cap Factor (DER Net)	<u>48.9</u>	<u>89.1</u>	<u>71.0</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>

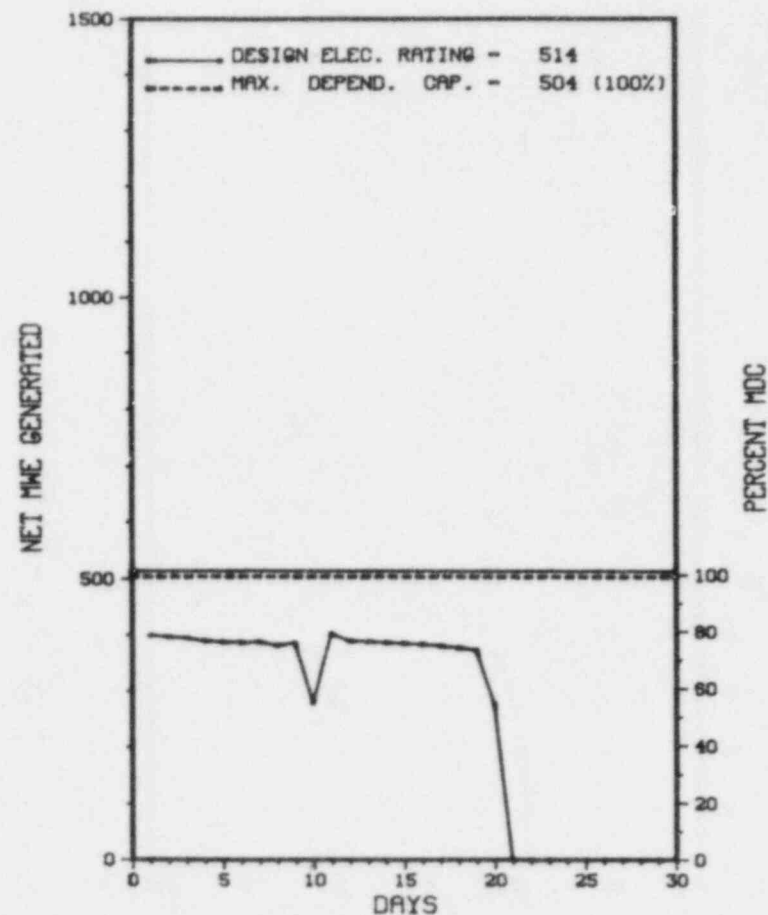
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/20/86

* V E R M O N T Y A N K E E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-13	09/10/85	F	0.0	A	5		CB	ELECON	POWER REDUCTION DUE TO TRIPPED REACTOR RECIRCULATION PUMP CAUSED BY A FALSE ISOLATION SIGNAL WHICH ORIGINATED IN THE RECIRC. PUMP'S SUCTION VALVE ISOLATION CIRCUITRY. TEMPORARY REPAIRS WERE COMPLETED AND THE PUMP RESTARTED. PERMANENT REPAIRS WILL BE DONE DURING THE CURRENT REFUELING OUTAGE.
85-14	09/20/85	S	242.3	C	1				SHUTDOWN FOR 1985 REFUELING AND MAINTENANCE OUTAGE.

* SUMMARY *

VERMONT YANKEE BEGAN A REFUELING OUTAGE ON SEPTEMBER 20TH.

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

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period SEP 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.....50-271
LICENSE & DATE ISSUANCE...DPR-28, FEBRUARY 28, 1973
PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR50, APPENDIX B, CRITERION IV AND VIII, AND THE LICENSEE'S QA MANUAL (YOQAP-1-A REV. 15), AND IMPLEMENTING PROCEDURES (YAEC OPERATING GUIDELINE NO. 1 REV 7, AP 0800 REV 11, AND AP 0310 REV 0), PARTS DESIGNATED AS SAFETY RELATED ON THE SAFETY RELATED CLASS 1E INSTRUMENT LIST WERE PURCHASED AND INSTALLED WITHOUT HAVING APPENDIX A TO AP 0800, "QUALITY ASSURANCE REQUIREMENTS" INCLUDED IN THE PROCUREMENT DOCUMENTS, NOR DOCUMENTED VERIFICATION OF TRACEABILITY OF THE PARTS, NOR ALTERNATIVE QUALIFICATION TESTING PERFORMED PRIOR TO RETURN TO SERVICE.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period SEP 1985

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

* VERMONT YANKEE 1 *

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-397 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 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>720.0</u>	<u>6,551.0</u>	<u>6,991.2</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,791.1</u>	<u>5,207.6</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>720.0</u>	<u>4,545.0</u>	<u>4,943.5</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>1,719,360</u>	<u>11,446,903</u>	<u>12,660,531</u>
18. Gross Elec Ener (MWH)	<u>581,190</u>	<u>3,780,790</u>	<u>4,207,720</u>
19. Net Elec Ener (MWH)	<u>557,204</u>	<u>3,623,263</u>	<u>4,033,649</u>
20. Unit Service Factor	<u>100.0</u>	<u>69.4</u>	<u>70.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.4</u>	<u>85.7</u>
22. Unit Cap Factor (MDC Net)	<u>70.7</u>	<u>50.2</u>	<u>52.7</u>
23. Unit Cap Factor (DER Net)	<u>70.4</u>	<u>50.3</u>	<u>52.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.2</u>	<u>12.0</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):

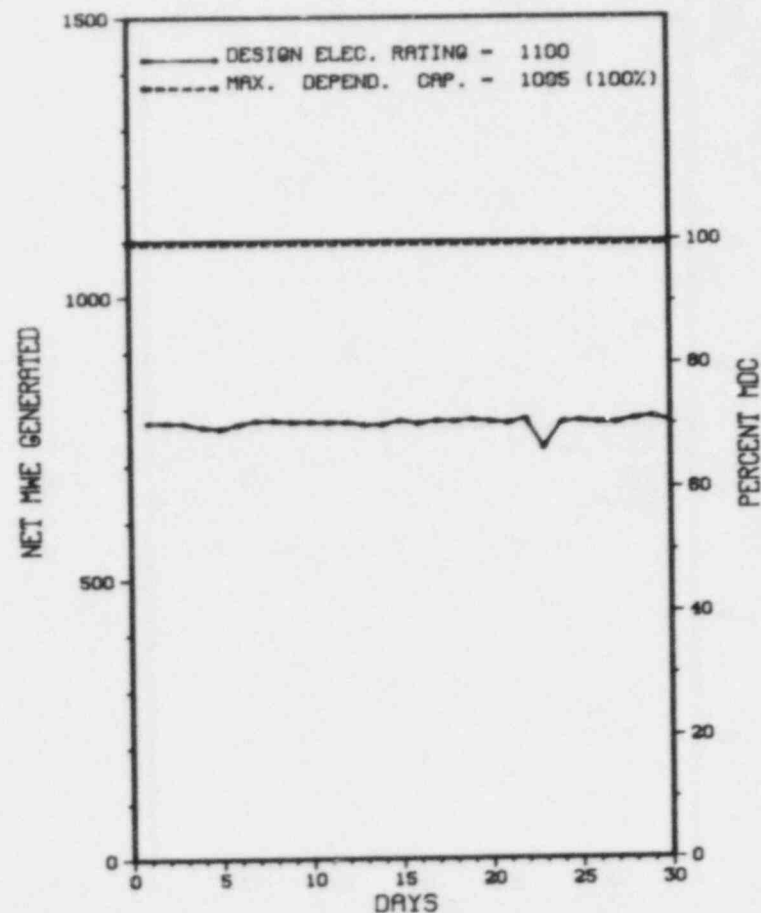
MAINTENANCE OUTAGE 10/15 FOR 2 DAYS

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

* WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-02P	07/01/85	F	0.0	A	5		CB	PUMPXX	POWER OUTPUT LIMITED TO 75% (APPROXIMATELY 800 MWE NET) DUE TO INOPERABILITY OF "B" RRC PUMP.

* SUMMARY *

WNP-2 OPERATED AT REDUCED POWER THROUGHOUT SEPTEMBER WITH NO OUTAGES.

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)

X WASHINGTON NUCLEAR 2 X

FACILITY DATA

Report Period SEP 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 COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MECHANICAL TOWERS
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM
CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....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
SHIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON SEPTEMBER 9-13, 1985 (REPORT NO. 50-397/85-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 12 - SEPTEMBER 12, 1985 (REPORT NO. 50-397/85-29) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF HEALTH PHYSICS PROGRAM INCLUDING FOLLOWUP ON VIOLATION, TRANSPORTATION, SOLID RADIOACTIVE WASTE PROCESSING AND DISPOSAL, ORGANIZATION, AND TRAINING. THE INSPECTION INVOLVED 80 INSPECTOR-HOURS ONSITE BY TWO REGIONALLY BASED NRC INSPECTORS AND 8 INSPECTOR-HOURS OF IN-OFFICE INSPECTION EFFORT.

RESULTS: OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN ONE AREA FOR FAILURE TO POST A RADIOACTIVE MATERIAL STORAGE AREA AS REQUIRED.

+ INSPECTION ON AUGUST 3-31, 1985 (REPORT NO. 50-397/85-30) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE (ESF) STATUS, 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 139 INSPECTOR-HOURS ONSITE BY TWO RESIDENT NRC INSPECTORS.

RESULTS: IN THE EIGHT AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (LACK OF PROCEDURE ADHERENCE WHILE ADJUSTING SUPPRESSION POOL LEVEL).

+ INSPECTION ON OCTOBER 7 - NOVEMBER 1, 1985 (REPORT NO. 50-397/85-31) REPORT BEING PREPARED; TO BE REPORTED AT A LATER DATE.

Report Period SEP 1985

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

* WASHINGTON NUCLEAR 2 *

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 1-30, 1985 (REPORT NO. 50-397/85-32) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 9-17, 1985 (REPORT NO. 50-397/85-33) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 9-13, 1985 (REPORT NO. 50-397/85-34) AREAS INSPECTED: AN UNANNOUNCED, SAFETY INSPECTION BY A REGIONALLY BASED NRC INSPECTOR AND TWO NRC CONSULTANTS FOR THE FOLLOWUP OF GENERIC LETTER 83-28, "REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ATWS EVENTS," AND TI 2515/64 REV. 1, "NEAR-TERM INSPECTION FOLLOWUP TO GENERIC LETTER 83-28." DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 31 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR AND 63 HOURS BY TWO NRC CONSULTANTS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

"B" RECIRCULATION PUMP OUT OF SERVICE BECAUSE OF VIBRATION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT OPERATED AT 72% WITH ONE RECIRCULATION LOOP IN SERVICE DURING THE MONTH OF AUGUST, 1985. THE OTHER RECIRCULATION PUMP IS STOPPED BECAUSE OF VIBRATION EXPERIENCED EARLIER.

LAST IE SITE INSPECTION DATE: 10/07-11/01/85+

INSPECTION REPORT NO: 50-397/85-31+

Report Period SEP 1985

REPORTS FROM LICENSEE

* WASHINGTON NUCLEAR 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

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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: 09/01/85 Outage + On-line Hrs: 168.0

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>168.0</u>	<u>168.0</u>	<u>168.0</u>
13. Hours Reactor Critical	<u>149.3</u>	<u>149.3</u>	<u>149.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>132.7</u>	<u>132.7</u>	<u>132.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>317,589</u>	<u>317,589</u>	<u>317,589</u>
18. Gross Elec Ener (MWH)	<u>111,870</u>	<u>111,870</u>	<u>111,870</u>
19. Net Elec Ener (MWH)	<u>105,186</u>	<u>105,186</u>	<u>105,186</u>
20. Unit Service Factor	<u>79.0</u>	<u>79.0</u>	<u>79.0</u>
21. Unit Avail Factor	<u>79.0</u>	<u>79.0</u>	<u>79.0</u>
22. Unit Cap Factor (MDC Net)	<u>56.7</u>	<u>56.7</u>	<u>56.7</u>
23. Unit Cap Factor (DER Net)	<u>56.7</u>	<u>56.7</u>	<u>56.7</u>
24. Unit Forced Outage Rate	<u>21.0</u>	<u>21.0</u>	<u>21.0</u>
25. Forced Outage Hours	<u>35.3</u>	<u>35.3</u>	<u>35.3</u>

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

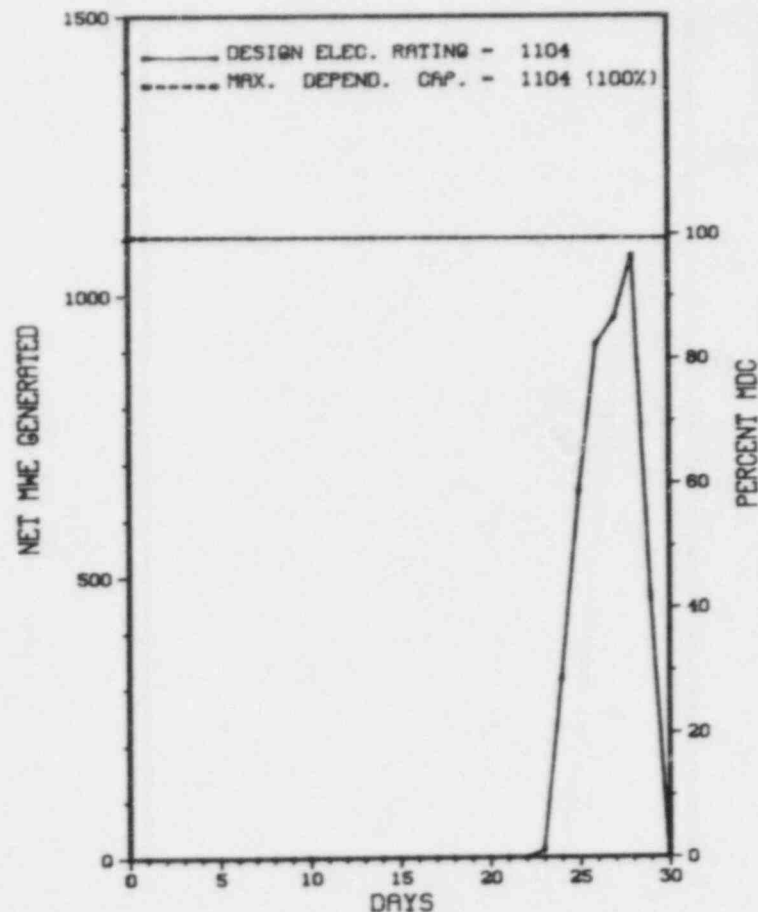
NONE

27. If Currently Shutdown Estimated Startup Date: 10/16/85

* WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLCT

WATERFORD 3



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-019	09/29/85	F	35.3	H	3	85-41	EA	RLY	AT 92% POWER, A REACTOR TRIP OCCURRED ON LOW STEAM GENERATOR LEVEL RESULTING FROM A FEEDWATER PUMP TRIP WHILE TRANSFERRING AUXILIARY POWER SOURCES.

* SUMMARY *

WATERFORD 3 ENTERED INTO COMMERCIAL OPERATION ON SEPTEMBER 24.

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)

X WATERFORD 3 X

FACILITY DATA

Report Period SEP 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...SEPTEMBER 24, 1985
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.....T. FLIPPO
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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JULY 31, 1985 (85-20)

ROUTINE, ANNOUNCED INSPECTION OF: (1) PHASE III TEST WITNESSING, (2) TEST RESULTS EVALUATION, (3) SURVEILLANCE TESTING AND CALIBRATION CONTROL (4) STATION BATTERIES, (5) CONTROL OF DESIGN CHANGES AND MODIFICATIONS, (6) AUDITS, (7) PHASE III QUALITY ACTIVITIES, (8) AUDITOR AND INSPECTOR TRAINING, (9) CONTROL ROOM VENTILATION SYSTEM EMERGENCY OUTSIDE AIR INTAKE VALVES, AND (10) OPERATIONAL MODE CHANGES.

WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

INSPECTION REPORT NO: 50-382/85-20

REPORTS FROM LICENSEE

PAGE 2-407

1. Docket: 50-482 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 670.7

3. Utility Contact: M. WILLIAMS (316) 364-8831

4. Licensed Thermal Power (MWt): 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>670.7</u>	<u>670.7</u>	<u>670.7</u>
13. Hours Reactor Critical	<u>651.0</u>	<u>651.0</u>	<u>651.0</u>
14. Rx Reserve Shtdwn Hrs	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>
15. Hrs Generator On-Line	<u>641.7</u>	<u>641.7</u>	<u>641.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,053,023</u>	<u>2,053,023</u>	<u>2,053,023</u>
18. Gross Elec Ener (MWH)	<u>700,837</u>	<u>700,837</u>	<u>700,837</u>
19. Net Elec Ener (MWH)	<u>670,451</u>	<u>670,451</u>	<u>670,451</u>
20. Unit Service Factor	<u>95.7</u>	<u>95.7</u>	<u>95.7</u>
21. Unit Avail Factor	<u>95.7</u>	<u>95.7</u>	<u>95.7</u>
22. Unit Cap Factor (MDC Net)	<u>88.6</u>	<u>88.6</u>	<u>55.4*</u>
23. Unit Cap Factor (DER Net)	<u>85.4</u>	<u>85.4</u>	<u>85.4</u>
24. Unit Forced Outage Rate	<u>4.3</u>	<u>4.3</u>	<u>4.3</u>
25. Forced Outage Hours	<u>29.0</u>	<u>29.0</u>	<u>29.0</u>

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

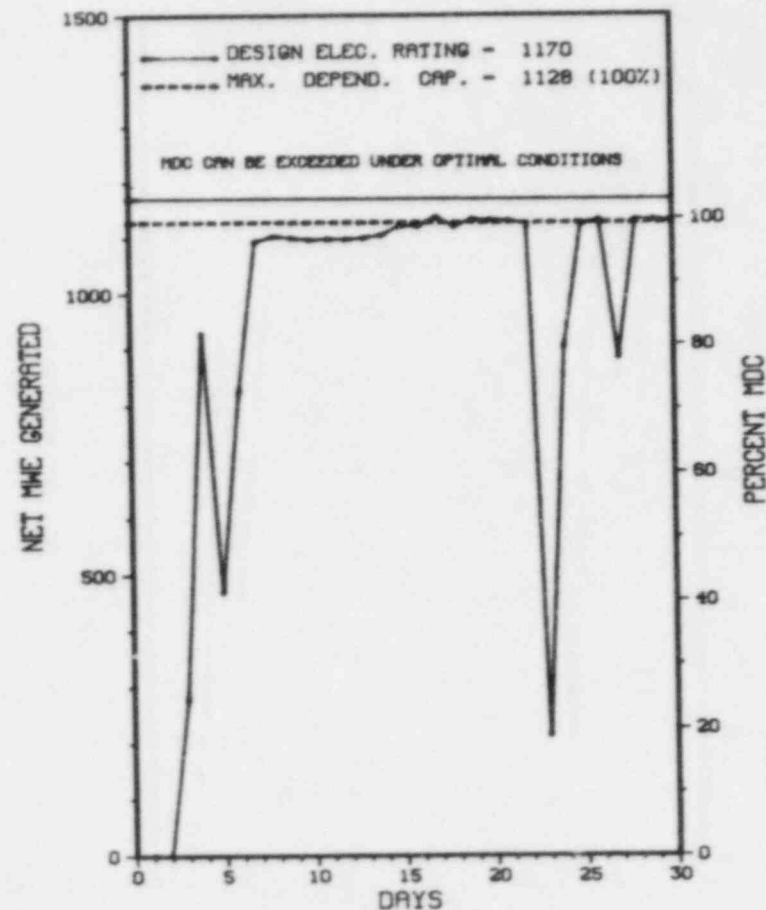
NONE

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

* WOLF CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* WOLF CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
16	09/01/85	S	0.0	B	5	85-064		UNIT HAS BEEN SHUTDOWN SINCE AUGUST 28, 1985, FOLLOWING A FULL POWER TRIP INITIATED PER THE POWER ASCENSION TESTING PROGRAM. ONE REACTOR TRIP OCCURRED DURING THIS SHUTDOWN.
17	09/05/85	F	12.1	A	3	85-065		TURBINE/REACTOR TRIP DUE TO LOW ELECTRO-HYDRAULIC CONTROL (EHC) SYSTEM FLUID PRESSURE, DUE TO A FACULTY RELIEF VALVE AND DRIFTING PRESSURE SWITCH SETTINGS.
18	09/23/85	F	16.9	A	3	85-067		TURBINE/REACTOR TRIP DUE TO LO LO STEAM GENERATOR LEVEL DUE TO A FAILURE OF A CONTROLLER CARD FOR THE MAIN FEEDWATER CONTROL VALVE FOR THAT STEAM GENERATOR.
19	09/27/85	F	0.0	A	5			WHILE AT FULL POWER, AUTO TURBINE RUNBACK OCCURRED DUE TO HIGH WATER TEMPERATURE IN THE STATOR COOLING SYSTEM. GENERATOR OUTPUT STABILIZED AT 20% LOAD. CAUSE OF HIGH HIGH TEMPERATURE WAS CONTROLLER FAILURE OF A TEMPERATURE CONTROL VALVE.

* SUMMARY *

WOLF CREEK BEGAN COMMERCIAL OPERATION ON SEPTEMBER 3RD.

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

* WOLF CREEK 1 *

FACILITY DATA

Report Period SEP 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....SEPTEMBER 3, 1985
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

INSPECTION STATUS

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 SEP 1985

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

* WOLF CREEK 1 *

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

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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 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWh): 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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>218,036.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,551.0</u>	<u>174,473.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,551.0</u>	<u>169,735.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>350,185</u>	<u>3,759,853</u>	<u>92,250,506</u>
18. Gross Elec Ener (MWH)	<u>102,994</u>	<u>1,135,700</u>	<u>27,954,489</u>
19. Net Elec Ener (MWH)	<u>95,279</u>	<u>1,063,208</u>	<u>26,157,759</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.8</u>
22. Unit Cap Factor (MDC Net)	<u>79.2</u>	<u>97.2</u>	<u>73.8*</u>
23. Unit Cap Factor (DER Net)	<u>75.6</u>	<u>92.7</u>	<u>70.3*</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>

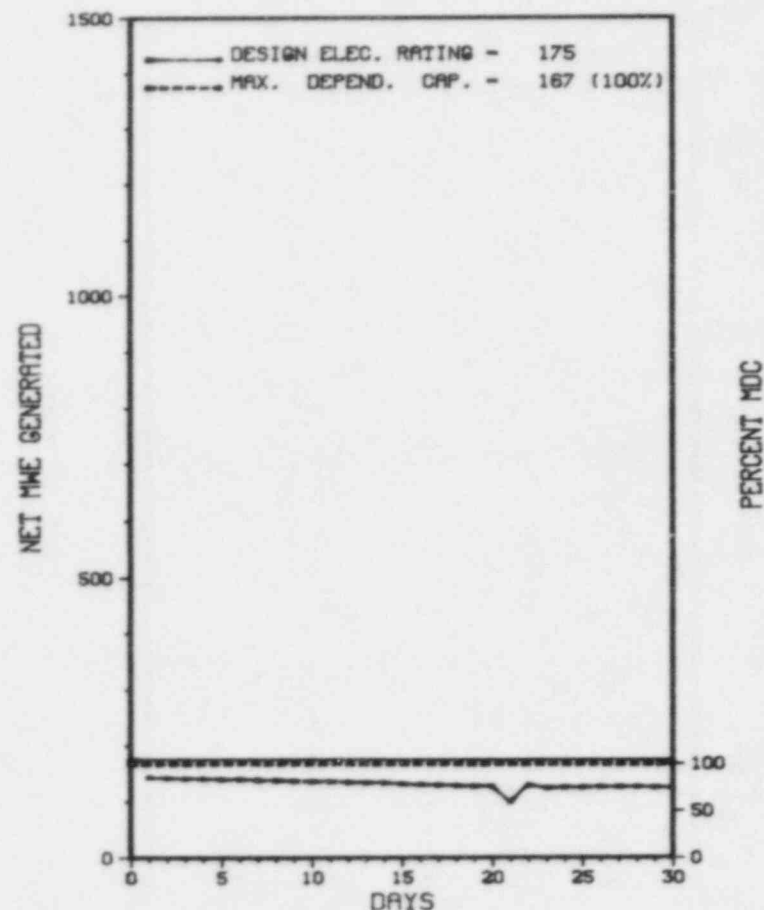
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



SEPTEMBER 1985

* Item calculated with a Weighted Average

PAGE 2-412

Report Period SEP 1985

IT SHUTDOWNS / REDUCTIONS

* YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Met.	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-10	09/21/85	S	0.0	A	5				REDUCED LOAD FOR CONDENSER TUBE LEAK CHECK AND PLUGGING.

* SUMMARY *

YANKEE ROWE OPERATED ROUTINELY IN SEPTEMBER.

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

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period SEP 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE...JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....H. EICHENHOLZ
LICENSING PROJ MANAGER.....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

INSPECTION STATUS

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.

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NO INPUT PROVIDED.

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NO INPUT PROVIDED.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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1. Docket: 50-295 O P E R A T I N G S T A T U S

2. Reporting Period: 09/01/85 Outage + On-line Hrs: 720.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (MWT): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,551.0</u>	<u>103,007.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>3,141.7</u>	<u>71,537.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>3,001.7</u>	<u>69,500.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,323,435</u>	<u>8,964,480</u>	<u>197,139,698</u>
18. Gross Elec Ener (MWH)	<u>760,744</u>	<u>2,917,384</u>	<u>63,589,178</u>
19. Net Elec Ener (MWH)	<u>732,186</u>	<u>2,763,734</u>	<u>60,359,129</u>
20. Unit Service Factor	<u>100.0</u>	<u>45.8</u>	<u>67.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>45.8</u>	<u>67.5</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>40.6</u>	<u>56.3</u>
23. Unit Cap Factor (DER Net)	<u>97.8</u>	<u>40.6</u>	<u>56.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.8</u>	<u>14.4</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):

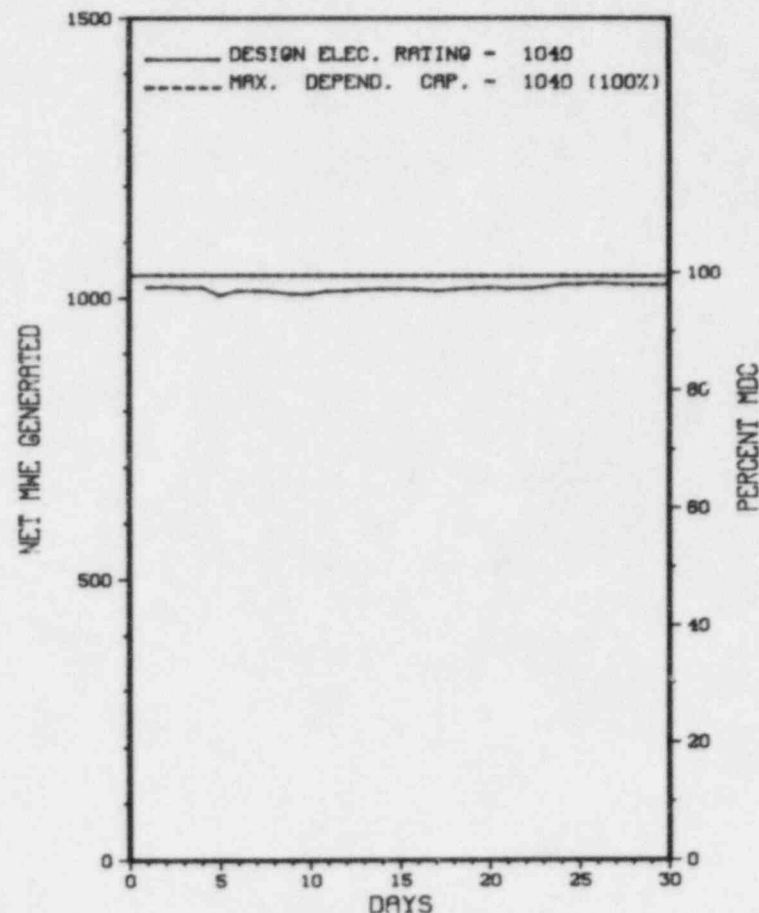
NONE

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

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



SEPTEMBER 1985

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* ZION 1 *

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

* SUMMARY *

ZION 1 REPORTED NO OUTAGES OR POWER REDUCTIONS IN SEPTEMBER.

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

* ZION 1 *

FACILITY DATA

Report Period SEP 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
PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON JULY 2 THROUGH AUGUST 5 (85022): ROUTINE, UNANNOUNCED RESIDENT AND REGIONAL INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES SYSTEM WALKDOWN; SURVEILLANCE; MAINTENANCE; AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 311 INSPECTOR-HOURS ONSITE INCLUDING 35 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 22 THROUGH AUGUST 30 (85027): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, GENERAL PROGRAM REQUIREMENTS FOR UNIT 1 CYCLE 9 STARTUP TESTING, REACTOR THERMOCOUPLE/RTD CROSS CALIBRATION, ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT, DOPPLER COEFFICIENT MEASUREMENT, CONTROL ROD DRIVE AND ROD POSITION INDICATION CHECKS, AND INCORE/EXCORE CALIBRATION. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 6 THROUGH SEPTEMBER 3 (85028): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; WESTINGHOUSE REVIEW OF STATION SURVEILLANCE PROGRAM; DIESEL DRIVEN CONTAINMENT SPRAY AND FIRE PUMP STARTING BATTERY QUALIFICATIONS; UNIT 2 BLOWDOWN ISOLATION VALVE ACTUATION; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURE WALKDOWN; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS; AND TMI ITEM CLOSEOUT. THE INSPECTION INVOLVED A TOTAL OF 288 INSPECTOR-HOURS ONSITE INCLUDING 64 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 19, 21, 22 (85029; 85030): LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 24 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF 12 PREVIOUS INSPECTION FINDINGS, 10 WERE CLOSED.

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERIA V, STATES IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES....." CONTRARY TO THE ABOVE: TECHNICAL STAFF SURVEILLANCE (TSS) 15.6.96.23-1, APPENDIX C, WAS INAPPROPRIATE IN THAT IT DID NOT CONTAIN INSTRUCTIONS TO RETURN VALVE 1CC9499 TO ITS NORMAL OPERATING STATUS (CLOSED) AS SPECIFIED IN THE SYSTEM OPERATING INSTRUCTION (SOI)-6. FAILURE TO RETURN THIS VALVE TO ITS NORMAL OPERATING STATUS RESULTED IN LIFTING RELIEF VALVE 1CC9428 AND SPILLING APPROXIMATELY 6,000 GALLONS OF COMPONENT COOLING WATER ON THE CONTAINMENT FLOOR.
(8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY IN COASTDOWN.

LAST IE SITE INSPECTION DATE: OCTOBER 8 - NOVEMBER 18, 1985

INSPECTION REPORT NO: 85036

Report Period SEP 1985

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

* Z I O N 1 *

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NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
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85-28      08/06/85    09/05/85    FAILURE TO PERIODICALLY TEST SERVICE BUS UNDERVOLTAGE START OF START OF STM. DRIVEN AUX. FW
            PUMP
85-29      08/08/85    09/06/85    DIESEL GENERATOR ROOMS AIRCRAFT CRASH DAMPERS FOUND OPEN WITH FANS OFF
85-30      08/30/85    09/10/85    AUTO START OF PP AIR COMPRESSORS
85-31      08/14/85    09/12/85    FAILURE OF PP SYSTEM TO MAINTAIN REQUIRED PRESSURE
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27. If Currently Shutdown Estimated Startup Date: 01/10/86

Report Period SEP 1985

UNIT SHUTDOWNS / REDUCTIONS

* ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	09/05/85	S	623.0	C	2				CYCLE VIII - IX REFUELING OUTAGE COMMENCED.

***** ZION 2 SHUTDOWN FOR REFUELING ON SEPTEMBER 5, 1985.
* 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)

* ZION 2 *

FACILITY DATA

Report Period SEP 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
PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON JULY 2 THROUGH AUGUST 5 (85023): ROUTINE, UNANNOUNCED RESIDENT AND REGIONAL INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURES SYSTEM WALKDOWN; SURVEILLANCE; MAINTENANCE; AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 311 INSPECTOR-HOURS ONSITE INCLUDING 35 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 22 THROUGH AUGUST 30 (85028): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, GENERAL PROGRAM REQUIREMENTS FOR UNIT 1 CYCLE 9 STARTUP TESTING, REACTOR THERMOCOUPLE/RTD CROSS CALIBRATION, ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT, DOPPLER COEFFICIENT MEASUREMENT, CONTROL ROD DRIVE AND ROD POSITION INDICATION CHECKS, AND INCORE/EXCORE CALIBRATION. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 6 THROUGH SEPTEMBER 3 (85029): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; WESTINGHOUSE REVIEW OF STATION SURVEILLANCE PROGRAM; DIESEL DRIVEN CONTAINMENT SPRAY AND FIRE PUMP STARTING BATTERY QUALIFICATIONS; UNIT 2 BLOWDOWN ISOLATION VALVE ACTUATION; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURE WALKDOWN; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS; AND TMI ITEM CLOSEOUT. THE INSPECTION INVOLVED A TOTAL OF 288 INSPECTOR-HOURS ONSITE INCLUDING 64 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 19, 21, 22 (85029; 85030): LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 24 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF 12 PREVIOUS INSPECTION FINDINGS, 10 WERE CLOSED.

INSPECTION STATUS - (CONTINUED)

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*****
*                ZION 2                *
*****
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ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 8 - NOVEMBER 18, 1985

INSPECTION REPORT NO: 85038

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-05	08/06/85	09/05/85	FAILURE TO PERIODICALLY TEST SERVICE BUS UNDERVOLTAGE START OF STEAM DRIVEN AUX. FEEDWATER PUMP
85-15	08/09/85	09/06/85	DIESEL GENERATOR ROOMS AIRCRAFT CRASH DAMPERS FOUND OPEN WITH FANS OFF
85-16	08/15/85	09/18/85	TESTS NOT PERFORMED IN ACCORDANCE WITH ASME SECTION XI

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SECTION 3

APPENDIX

* PRESSURIZED*

* WATER *

* REACTORS *

STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PARENT 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	1998
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
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(1)	1025	287(1)(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
ST LUCIE 1	217	728	372	356		N/S	1993

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* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY	(a)		REMAINING CAPACITY		NEXT REFUEL SCHED. DATE	(b)	
	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES REMAINING STORAGE (NO. OF ASSEMBLIES)	REMAINING CAPACITY (NO. OF ASSEMBLIES)		WILL FILL PRESENT AUTH. CAPACITY	
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 REMAINING STORED (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	(b) NEXT REFUEL SCHED. DATE *****	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)	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)	1993
DRESDEN 3	724	3537	1271	2266	N/S	1993
DUANE ARNOLD	368	2050	961	1089	N/S	1998
FITZPATRICK	560	2247	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	03-86	1996
OYSTER CREEK 1	560	2600	1204	1396	04-86	1990

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

*****		(a)			REMAINING CAPACITY			(b)
*****		CORE SIZE	PRESENT AUTH.	NO. OF	IF PENDING REQUEST			
		(NO. OF	STORAGE POOL CAP.	ASSEMBLIES REMAINING CAPACITY	APPROVED	NEXT REFUEL	WILL FILL PRESENT	
FACILITY	ASSEMBLIES)	(FUEL ASSEMBLIES)	STORED (NO. OF ASSEMBLIES)	(NO. OF ASSEMBLIES)	SCHED. DATE	AUTH. CAPACITY		
*****	*****	*****	*****	*****	*****	*****	*****	*****
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

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(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

				YEARS	1ST ELEC GENERATE	UNIT		YEARS	1ST ELEC GENERATE	UNIT	

* LICENSED *	* 11.17	08/01/74	ARKANSAS 1	6.77	12/26/78	ARKANSAS 2		9.30	06/14/76	BEAVER VALLEY 1	
* OPERATING *	* 22.81	12/08/62	BIG ROCK POINT 1	11.96	10/15/73	BROWNS FERRY 1		11.09	08/28/74	BROWNS FERRY 2	
* ELECTRICAL *	* 9.05	09/12/76	BROWNS FERRY 3	8.82	12/04/76	BRUNSWICK 1		10.43	04/29/75	BRUNSWICK 2	
* PRODUCING *	* .59	03/01/85	BYRON 1	.94	10/24/84	CALLAWAY 1		10.74	01/03/75	CALVERT CLIFFS 1	
* UNITS *	* 8.82	12/07/76	CALVERT CLIFFS 2	.69	01/22/85	CATAWBA 1		10.64	02/10/75	COOK 1	
*****				11.39	05/10/74	COOPER STATION		8.67	01/30/77	CRYSTAL RIVER 3	
	7.53	03/22/78	COOK 2	.89	11/11/84	DIABLO CANYON 1		15.47	04/13/70	DRESDEN 2	
	8.09	08/28/77	DAVIS-BESSE 1	11.37	05/19/74	DUANE ARNOLD		8.12	08/18/77	FARLEY 1	
	14.20	07/22/71	DRESDEN 3	10.66	02/01/75	FITZPATRICK		12.10	08/25/73	FORT CALHOUN 1	
	4.35	05/25/81	FARLEY 2	15.83	12/02/69	GINNA		.95	10/20/84	GRAND GULF 1	
	8.80	12/11/76	FORT ST VRAIN	10.89	11/11/74	HATCH 1		7.03	09/22/78	HATCH 2	
	18.15	08/07/67	HADDAM NECK	9.43	04/27/76	INDIAN POINT 3		11.48	04/08/74	KEWAUNEE	
	12.27	06/26/73	INDIAN POINT 2	3.07	09/04/82	LASALLE 1		1.45	04/20/84	LASALLE 2	
	17.43	04/26/68	LA CROSSE	12.90	11/08/72	MAINE YANKEE		4.25	06/30/81	MCGUIRE 1	
	.47	04/13/85	LIMERTICK 1	14.84	11/29/70	MILLSTONE 1		9.89	11/09/75	MILLSTONE 2	
	2.36	05/23/83	MCGUIRE 2	15.89	11/09/69	NINE MILE POINT 1		7.46	04/17/78	NORTH ANNA 1	
	14.58	03/05/71	MONTICELLO	12.41	05/06/73	OCONEE 1		11.82	12/05/73	OCONEE 2	
	5.10	08/25/80	NORTH ANNA 2	16.02	09/23/69	OYSTER CREEK 1		13.75	12/31/71	PALISADES	
	11.08	09/01/74	OCONEE 3	11.62	02/18/74	PEACH BOTTOM 2		11.08	09/01/74	PEACH BOTTOM 3	
	.31	06/10/85	PALO VERDE 1	14.90	11/06/70	POINT BEACH 1		13.16	08/02/72	POINT BEACH 2	
	13.20	07/19/72	PILGRIM 1	10.78	12/21/74	PRAIRIE ISLAND 2		13.47	04/12/72	QUAD CITIES 1	
	11.82	12/04/73	PRAIRIE ISLAND 1	10.97	10/13/74	RANCHO SECO 1		15.01	09/26/70	ROBINSON 2	
	13.36	05/23/72	QUAD CITIES 2	4.33	06/03/81	SALEM 2		18.21	07/16/67	SAN ONOFRE 1	
	8.77	12/25/76	SALEM 1	2.02	09/25/83	SAN ONOFRE 3		5.19	07/22/80	SEQUOYAH 1	
	3.03	09/20/82	SAN ONOFRE 2	9.40	05/07/76	ST LUCIE 1		2.30	06/13/83	ST LUCIE 2	
	3.77	12/23/81	SEQUOYAH 2	13.24	07/04/72	SURRY 1		12.56	03/10/73	SURRY 2	
	2.87	11/16/82	SUMMER 1	1.25	07/03/84	SUSQUEHANNA 2		11.29	06/19/74	THREE MILE ISLAND 1	
	2.87	11/16/82	SUSQUEHANNA 1	12.91	11/02/72	TURKEY POINT 3		12.28	06/21/73	TURKEY POINT 4	
	9.77	12/23/75	TROJAN	1.35	05/27/84	WASHINGTON NUCLEAR 2		.54	03/18/85	WATERFORD 3	
	13.03	09/20/72	VERMONT YANKEE 1	24.89	11/10/60	YANKEE-ROWE 1		12.26	06/26/73	ZION 1	
	.30	06/12/85	WOLF CREEK 1								
	11.76	12/26/73	ZION 2								
TOTAL 856.16 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
	CANDGA 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	11-24-59	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
M. RYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE	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 - PHYSICS 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	HARRAGANSETT	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 *

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STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0

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CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0

* CRITICAL EXPERIMENT FACILITIES *							

NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-61	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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