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March 1986

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 02-28-86

UNITED STATES NUCLEAR REGULATORY COMMISSION



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



STATEMENT OF PURPOSE

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

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

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

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

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G L O S S A R Y

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

***** 91 IN COMMERCIAL OPERATION 75,475 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 4 IN POWER ASCENSION. 4,291 capacity; design elec. rating
 * POWER * used if MDC not determined
 * REACTORS * (b) 95 LICENSED TO OPERATE 79,766 TOTAL
 ***** (c) 3 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

MDC NET		DER	DATE	DER
(a) ENRICO FERMI 2	... 1093	(b) Excludes these plants	1. DRESDEN 1	... 200
DIABLO CANYON 2	... 1106	licensed for operation	2. HUMBOLDT BAY	... 65
RIVER BEND	... 936	which are shut down	3. TMI 2	... 906
MILLSTONE 3	... 1156	indefinitely	(c) SHOREHAM	... 07/03/85 ... 820
			PALO VERDE 2	... 12/09/85 ... 1304
			CATAWBA 2	... 02/27/86 ... 1145

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
***** 1. GROSS ELECTRICAL (MWHE)	33,783,723	36,982,407	70,766,130
* POWER * 2. NET ELECTRICAL (MWHE)	32,216,081	35,258,462	67,474,543
* GENERATION * 3. AVG. UNIT SERVICE FACTOR (%)	68.7	69.4	69.1
***** 4. AVG. UNIT AVAILABILITY FACTOR (%)	68.7	69.4	69.1
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	64.2	65.1	64.6
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	62.7	63.6	63.2
7. FORCED OUTAGE RATE (%)	10.0	12.1	11.0

	% OF POTENTIAL PRODUCTION
***** 1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD. 32,216,081 NET	64.0
* ACTUAL VS. * 2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET). 10,545,240 MWHe	20.9
* POTENTIAL * 3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET) 5,273,377 MWHe	10.5
* ENERGY * 4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET) 2,338,902 MWHe	4.6
* PRODUCTION * *****	
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	50,373,600 MWHe
(Using Maximum Dependable Capacity Net)	100.0% TOTAL
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	221,760 MWHe
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS.	 MWHe
	0 UNIT(S) WITH NRC RESTRICTION

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
***** 1. FORCED OUTAGES DURING REPORT PERIOD	42	6,031.9	9.9	5,273,377
* OUTAGE * 2. SCHEDULED OUTAGES DURING REPORT PERIOD.	29	13,105.3	21.5	10,545,240
* DATA * *****				
TOTAL	71	19,137.2	31.4	15,818,617

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

Report Period FEB 1986

PAGE 1-2

MONTHLY HIGHLIGHTS

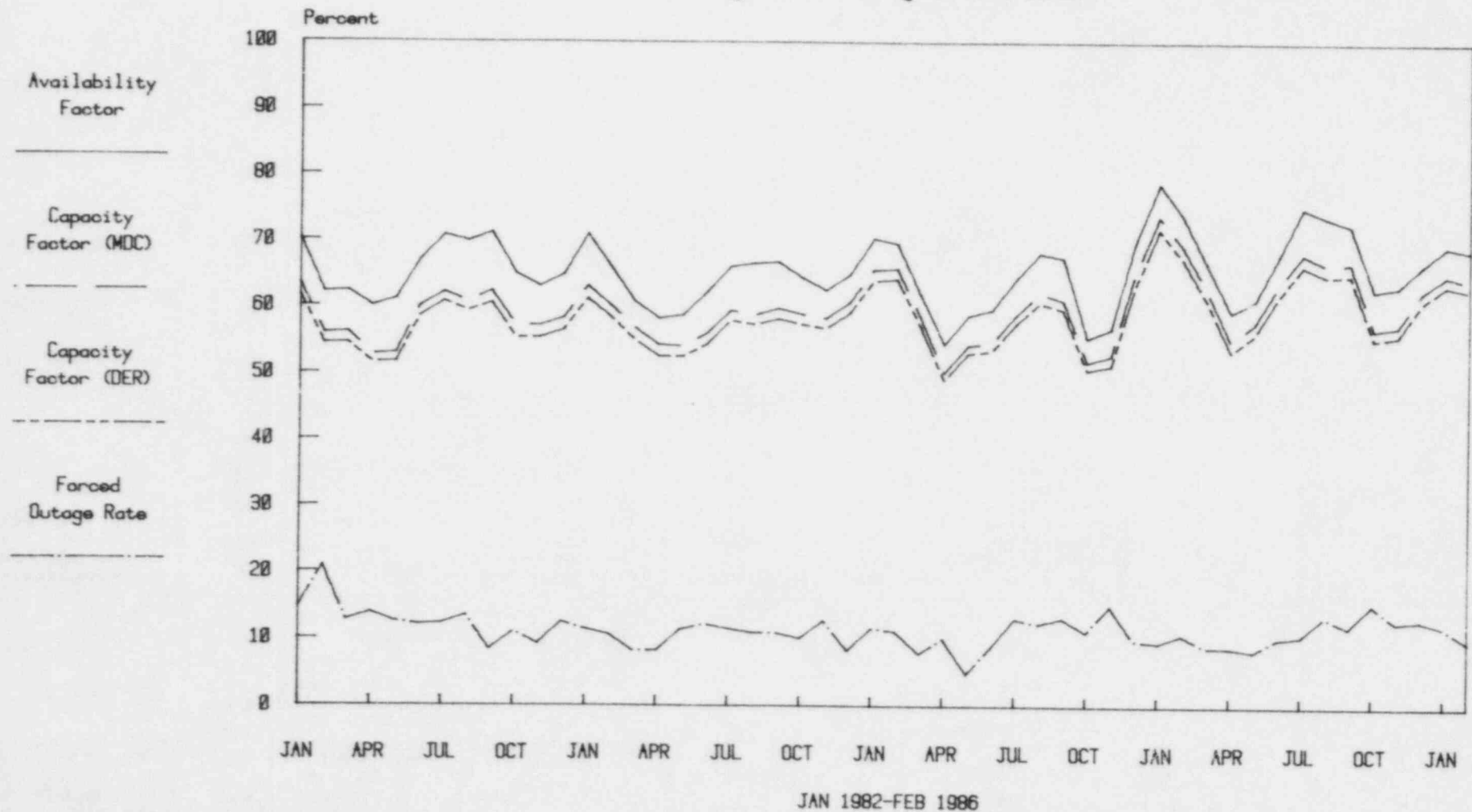
		NUMBER	HOURS LOST
*****	A - Equipment Failure	32	3,678.8
* REASONS *	B - Maintenance or Test	5	645.4
* FOR *	C - Refueling	22	11,576.1
* SHUTDOWNS *	D - Regulatory Restriction.	1	672.0
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative.	2	1,344.0
	G - Operational Error	3	85.3
	H - Other	6	1,135.6
	TOTAL	71	19,137.2

	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
*****	836	762	Self-imposed
* DERATED *	*29	*52	Self-imposed
* UNITS *	330	115	Self-imposed
*****	*08	700	Self-imposed
	436	390	Self-imposed
	*95	775	Self-imposed

	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
*****	BIG ROCK POINT 1	A	BROWNS FERRY 1	C	BROWNS FERRY 2	C	BROWNS FERRY 3	H
* SHUTDOWNS *	BRUNSWICK 2	C	BYRON 1	B	COOK 2	A	CRYSTAL RIVER 3	A
* GREATER *	DAVIS-BESSE 1	A	DRESDEN 2	A	DRESDEN 3	C	FORT ST VRAIN	D
* THAN 72 HRS *	GINNA	C	GRAND GULF 1	H	HADDAM NECK	C	HATCH 1	C
* EACH *	INDIAN POINT 2	C	LASALLE 1	C	MAINE YANKEE	B	NORTH ANNA 2	C
*****	OCONEE 1	C	PALISADES	C	PEACH BOTTOM 2	A	PEACH BOTTOM 3	C
	QUAD CITIES 1	C	QUAD CITIES 2	B	RANCHO SECO 1	A	ROBINSON 2	C
	SAN ONOFRE 1	C	SAN ONOFRE 3	A	SEQUOYAH 1	F	SEQUOYAH 2	F
	SURRY 1	A	SURRY 2	H	SUSQUEHANNA 1	C	THREE MILE ISLAND 1	A
	TURKEY POINT 4	C	VERMONT YANKEE 1	C	ZION 2	C		

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 02-28-86



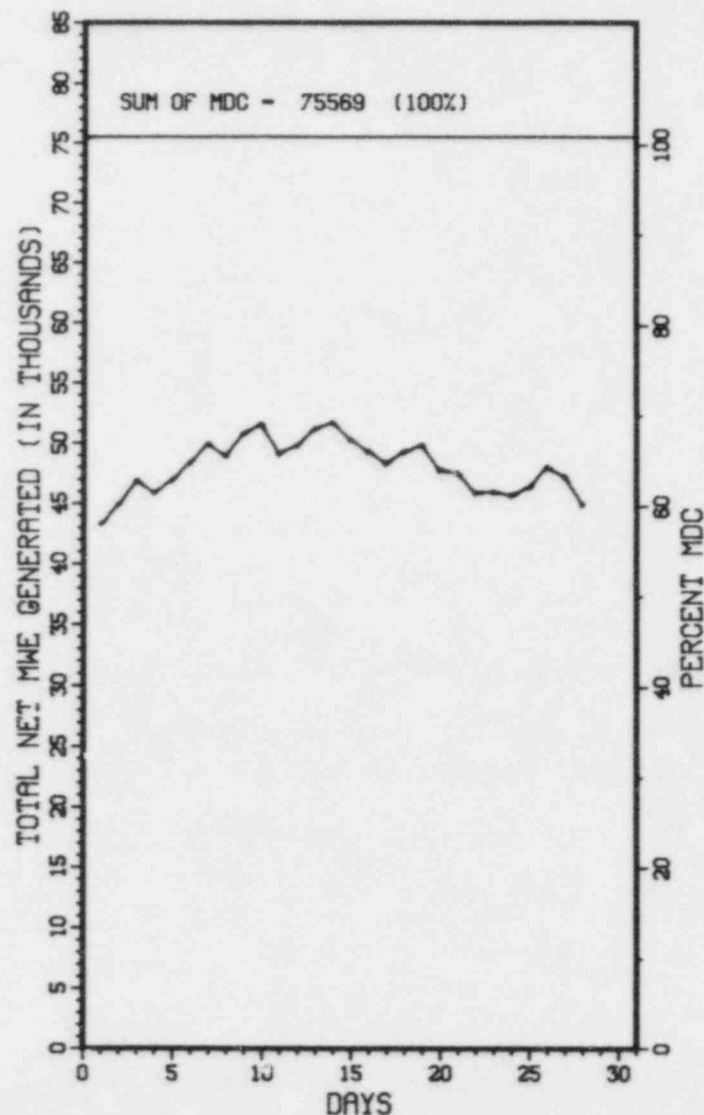
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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.

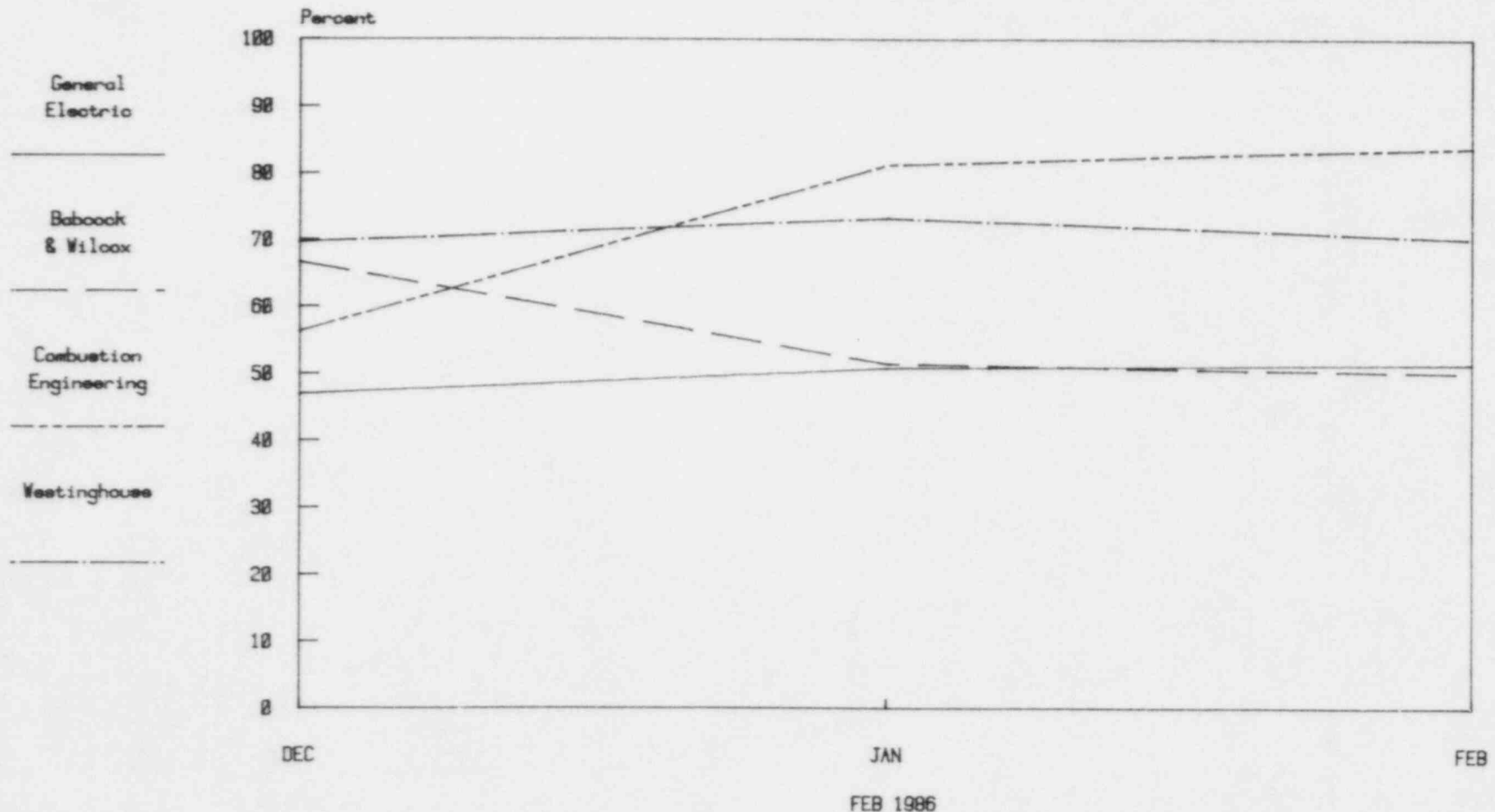
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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.



Vendor Average Capacity Factors

As Of 02-28-86



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	97.6 BRUNSWICK 1
* ELECTRIC * 0.0 BRUNSWICK 2	93.0 COOPER STATION	74.0 DRESDEN 2	0.0 DRESDEN 3
***** 77.3 DUANE ARNOLD	100.9 FITZPATRICK	48.6 GRAND GULF 1	0.0 HATCH 1
83.6 HATCH 2	0.0 LASALLE 1	83.7 LASALLE 2	95.1 LIMERICK 1
92.5 MILLSTONE 1	87.3 MONTICELLO	73.6 NINE MILE POINT 1	97.2 OYSTER CREEK 1
73.1 PEACH BOTTOM 2	0.0 PEACH BOTTOM 3	97.7 PILGRIM 1	0.0 QUAD CITIES 1
73.1 QUAD CITIES 2	47.8 SUSQUEHANNA 1	99.6 SUSQUEHANNA 2	0.0 VERMONT YANKEE 1
67.7 WASHINGTON NUCLEAR 2			
***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 79.3 ARKANSAS 1	0.0 CRYSTAL RIVER 3	0.0 DAVIS-BESSE 1	41.8 OCONEE 1
* WILCOX * 95.1 OCONEE 2	99.1 OCONEE 3	0.0 RANCHO SECO 1	88.5 THREE MILE ISLAND 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 96.4 ARKANSAS 2	106.1 CALVERT CLIFFS 1	98.5 CALVERT CLIFFS 2	83.5 FORT CALHOUN 1
* ENGINEERING * 73.7 MAINE YANKEE	98.4 MILLSTONE 2	0.0 PALISADES	102.1 PALO VERDE 1
***** 90.0 SAN ONOFRE 2	38.9 SAN ONOFRE 3	102.0 ST LUCIE 1	102.2 ST LUCIE 2
97.2 WATERFORD 3			
***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE * 87.2 BEAVER VALLEY 1	50.5 BYRON 1	93.7 CALLAWAY 1	95.5 CATAWBA 1
***** 89.3 COOK 1	58.7 COOK 2	91.7 DIABLO CANYON 1	99.0 FARLEY 1
100.1 FARLEY 2	19.7 GINNA	0.0 HADDAM NECK	0.0 INDIAN POINT 2
98.4 INDIAN POINT 3	101.1 KEWAUNEE	88.1 MCGUIRE 1	99.6 MCGUIRE 2
90.9 NORTH ANNA 1	61.1 NORTH ANNA 2	101.0 POINT BEACH 1	100.1 POINT BEACH 2
65.1 PRAIRIE ISLAND 1	106.1 PRAIRIE ISLAND 2	0.0 ROBINSON 2	79.1 SALEM 1
88.5 SALEM 2	0.0 SAN ONOFRE 1	0.0 SEQUOYAH 1	0.0 SEQUOYAH 2
88.1 SUMMER 1	69.4 SURRY 1	65.5 SURRY 2	94.3 TROJAN
94.1 TURKEY POINT 3	0.0 TURKEY POINT 4	89.9 WOLF CREEK 1	103.2 YANKEE-ROWE 1
97.8 ZION 1	65.4 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:

Net Electrical Energy Produced by Vendor x 100%

 Potential Electrical Production by Vendor in this Month

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL					
PRODUCTION.....	8,489,779	15,207,111	6,189,583	2,271,147	23,667,841
MDC NET.	24,552	32,229	11,501	6,746	50,476
CFMDC.....	51.5	70.2	83.8	50.1	70.5

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	12/28/85	F	28.1	B			WB	ZZZZZZ	UNIT SHUT DOWN TO REPAIR A WELD CRACK IN THE COMPONENT COOLING WATER SUPPLY LINE TO THE "A" REACTOR COOLANT PUMP LUBE OIL COOLER.
4	12/31/85	F	19.6	A	3	85-005	EB	ZZZZZZ	PHASE-TO-GROUND FAULT IN THE A0 POWER SURGE ARRESTER OF BUS SECTION 4 RESULTING IN A UNIT TRIP.

Report Period FEB 1986

PAGE 1-9

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: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: J. N. GOBELL (501) 964-3251

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): 762

11. Reasons for Restrictions, If Any: TUBE SUPPORT PLATE CREVICE.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>98,155.0</u>
13. Hours Reactor Critical	<u>618.4</u>	<u>984.0</u>	<u>66,647.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>612.6</u>	<u>975.8</u>	<u>65,233.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,363,892</u>	<u>2,134,426</u>	<u>154,719,188</u>
18. Gross Elec Ener (MWH)	<u>467,708</u>	<u>729,145</u>	<u>51,163,870</u>
19. Net Elec Ener (MWH)	<u>445,375</u>	<u>691,623</u>	<u>48,744,499</u>
20. Unit Service Factor	<u>91.2</u>	<u>68.9</u>	<u>66.5</u>
21. Unit Avail Factor	<u>91.2</u>	<u>68.9</u>	<u>67.3</u>
22. Unit Cap Factor (MDC Net)	<u>79.3</u>	<u>58.4</u>	<u>59.4</u>
23. Unit Cap Factor (DER Net)	<u>78.0</u>	<u>57.5</u>	<u>58.4</u>
24. Unit Forced Outage Rate	<u>8.8</u>	<u>31.1</u>	<u>15.5</u>
25. Forced Outage Hours	<u>59.4</u>	<u>440.2</u>	<u>12,000.7</u>

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

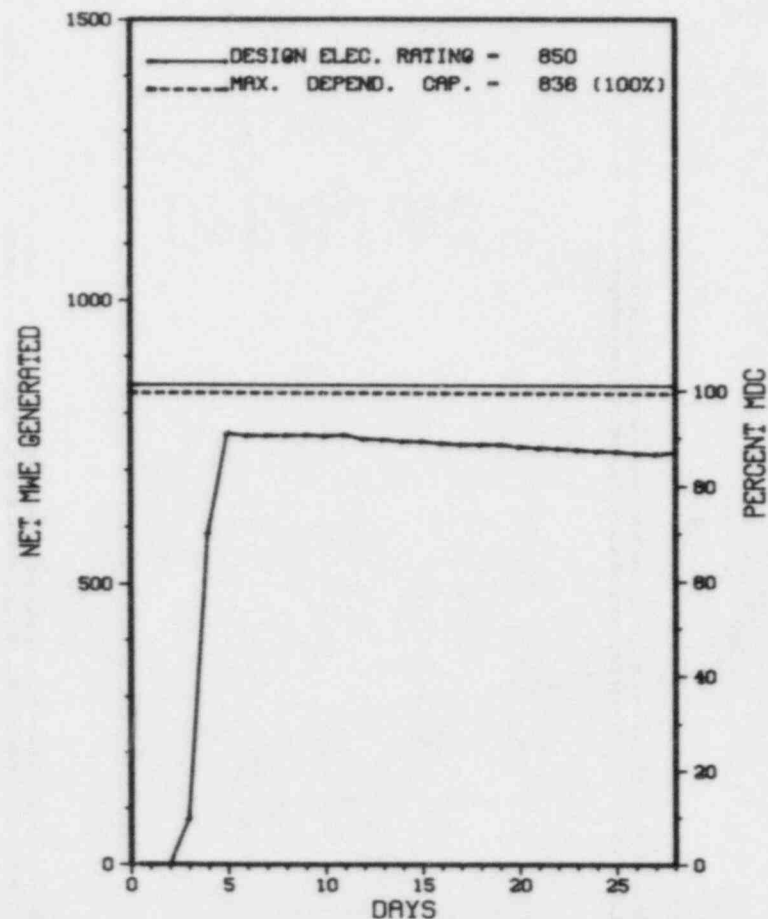
REFUELING: 08/22/86 - 10 WEEKS.

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

 * ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8603	01/15/86	F	59.4	A	4	86-001	EK	DG	STARTED MONTH OFF-LINE COMPLETING REPAIRS TO THE EMERGENCY DIESEL GENERATOR.

* SUMMARY *

ARKANSAS 1 OPERATED ROUTINELY WITH 1 CONTINUING OUTAGE FOR EQUIPMENT FAILURE IN FEBRUARY.

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)

Report Period FEB 1986

UTILITY & CONTRACTOR INFORMATION

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

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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
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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

INSPECTION CONDUCTED ON JAN. 1-31, 1986 (86-02) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, SEISMIC PIPE SUPPORT REVIEW, CONDENSATE STORAGE TANK CONSTRUCTION, AND FOLLOWUP ON THREE MILE ISLAND ACTION PLAN REQUIREMENTS. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW A QUALITY CONTROL PROCEDURE IN SEISMIC PIPE SUPPORT INSPECTION).

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, THE LICENSEE FAILED TO ESTABLISH CONSISTENT PROCEDURES FOR THE OPERATION OF THE OUTSIDE AIR DAMPERS ON THE CONTROL ROOM EMERGENCY RECIRCULATION AND FILTRATION UNITS. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, THE LICENSEE FAILED TO ESTABLISH CONSISTENT PROCEDURES FOR THE OPERATION OF THE OUTSIDE AIR DAMPERS ON THE CONTROL ROOM EMERGENCY RECIRCULATION AND FILTRATION UNITS.

(8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

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*****
*                ARKANSAS 1                *
*****
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OTHER ITEMS

POWER LIMITED TO ABOUT 88% DUE TO HIGH INDICATED WATER LEVEL IN THE A OTSG CAUSED BY SECONDARY SIDE FOULING.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 1-31, 1986

INSPECTION REPORT NO: 50-313/86-02

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-012	11/21/85	1/9/86	FIRE SUPPRESSORY SYSTEM SPRINKLER HEAD MISSING.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>51,984.0</u>
13. Hours Reactor Critical	<u>627.7</u>	<u>1,371.7</u>	<u>37,053.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>626.2</u>	<u>1,370.2</u>	<u>35,805.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,745,079</u>	<u>3,836,038</u>	<u>90,873,388</u>
18. Gross Elec Ener (MWH)	<u>582,420</u>	<u>1,282,239</u>	<u>29,771,481</u>
19. Net Elec Ener (MWH)	<u>555,757</u>	<u>1,225,353</u>	<u>28,334,469</u>
20. Unit Service Factor	<u>93.2</u>	<u>96.8</u>	<u>68.9</u>
21. Unit Avail Factor	<u>93.2</u>	<u>96.8</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>96.4</u>	<u>100.9</u>	<u>63.5</u>
23. Unit Cap Factor (DER Net)	<u>90.7</u>	<u>94.9</u>	<u>59.8</u>
24. Unit Forced Outage Rate	<u>6.8</u>	<u>3.2</u>	<u>16.4</u>
25. Forced Outage Hours	<u>45.8</u>	<u>45.8</u>	<u>7,003.0</u>

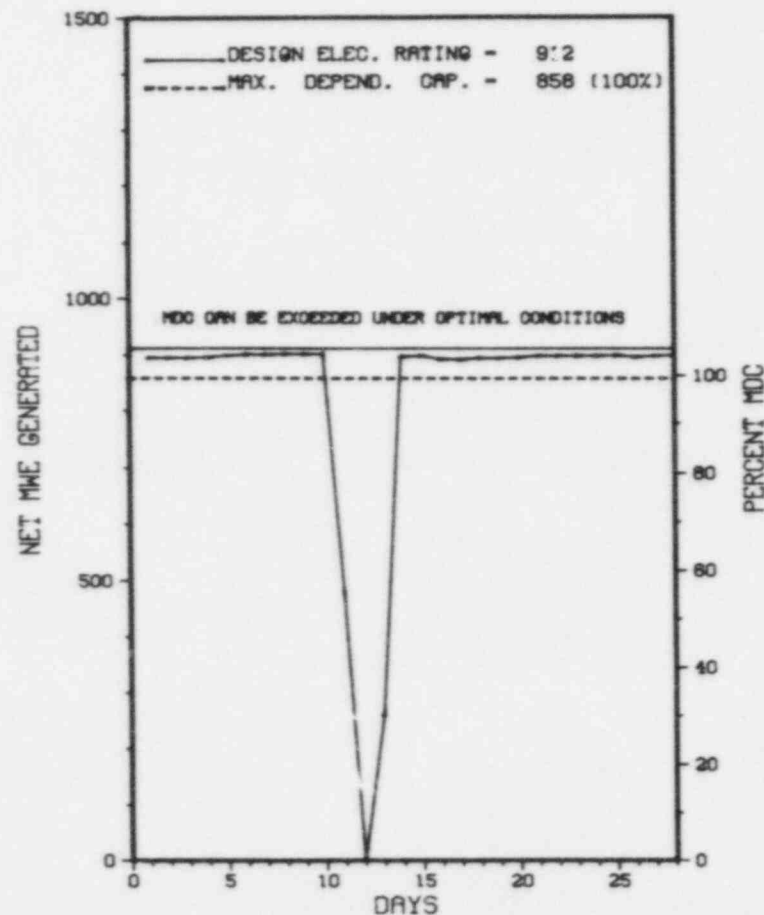
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING: 06/13/86 - 7 WEEKS.

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

 * ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUT DOWNS / REDUCTIONS

* ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8601	02/11/86	F	45.8	A	3	86-01	SB	ISV	THE UNIT TRIPPED ON LOW DNBR FOLLOWING THE INADVERTENT CLOSURE OF AN MSIV. THE CLOSURE WAS APPARENTLY CAUSED BY THE FAILURE OF A MOTOR DRIVEN RELAY.

* SUMMARY *

ARKANSAS 2 OPERATED WITH 1 OUTAGE DUE TO EQUIPMENT FAILURE IN FEBRUARY.

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)

* ARKANSAS 2 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI WNW OF
RUSSELLVILLE, AR

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 5, 1978

DATE ELEC ENER 1ST GENER...DECEMBER 26, 1978

DATE COMMERCIAL OPERATE...MARCH 26, 1980

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

CORPORATE ADDRESS.....NINTH & LOUISIANA STREETS
LITTLE ROCK, ARKANSAS 72203

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....W. JOHNSON

LICENSING PROJ MANAGER.....R. LEE
DOCKET NUMBER.....50-368

LICENSE & DATE ISSUANCE...NPF-6, SEPTEMBER 1, 1978

PUBLIC DOCUMENT ROOM.....ARKANSAS TECH UNIVERSITY
RUSSELLVILLE, ARKANSAS 72801

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JANUARY 1-31, 1986 (86-02) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON A PREVIOUSLY IDENTIFIED ITEM, FOLLOWUP ON A LICENSEE EVENT REPORT, CONDENSATE STORAGE TANK CONSTRUCTION, AND FOLLOWUP ON THREE MILE ISLAND ACTION PLAN REQUIREMENTS. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (PUMP TEST PROCEDURE DID NOT MEET REQUIREMENTS OF ASME SECTION XI).

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, THE LICENSEE FAILED TO MAINTAIN A MANUAL VALVE LOCKED AS REQUIRED, IN THAT THE CHAIN WAS SEVERED.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

INSPECTION STATUS - (CONTINUED)

* ARKANSAS 2 *

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: JANUARY 1-31, 1986

INSPECTION REPORT NO: 50-368/86-02

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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85-027 12/17/85 01/18/86 REACTOR TRIP CIRCUIT BREAKER UNDERVOLTAGE DEVICES OUND IN MID-POSITION.
F

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (Mwt): 2652

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

6. Design Electrical Rating (Net MWe): 835

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>86,184.0</u>
13. Hours Reactor Critical	<u>628.6</u>	<u>1,372.6</u>	<u>46,977.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>627.3</u>	<u>1,371.3</u>	<u>45,506.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,543,257</u>	<u>3,492,824</u>	<u>106,516,246</u>
18. Gross Elec Ener (MWH)	<u>504,280</u>	<u>1,143,920</u>	<u>33,925,360</u>
19. Net Elec Ener (MWH)	<u>474,900</u>	<u>1,080,250</u>	<u>31,616,463</u>
20. Unit Service Factor	<u>93.3</u>	<u>96.8</u>	<u>55.3</u>
21. Unit Avail Factor	<u>93.3</u>	<u>96.8</u>	<u>55.3</u>
22. Unit Cap Factor (MDC Net)	<u>87.2</u>	<u>94.2</u>	<u>48.8</u>
23. Unit Cap Factor (DER Net)	<u>84.6</u>	<u>91.4</u>	<u>47.7</u>
24. Unit Forced Outage Rate	<u>6.7</u>	<u>3.2</u>	<u>23.4</u>
25. Forced Outage Hours	<u>44.7</u>	<u>44.7</u>	<u>18,534.9</u>

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

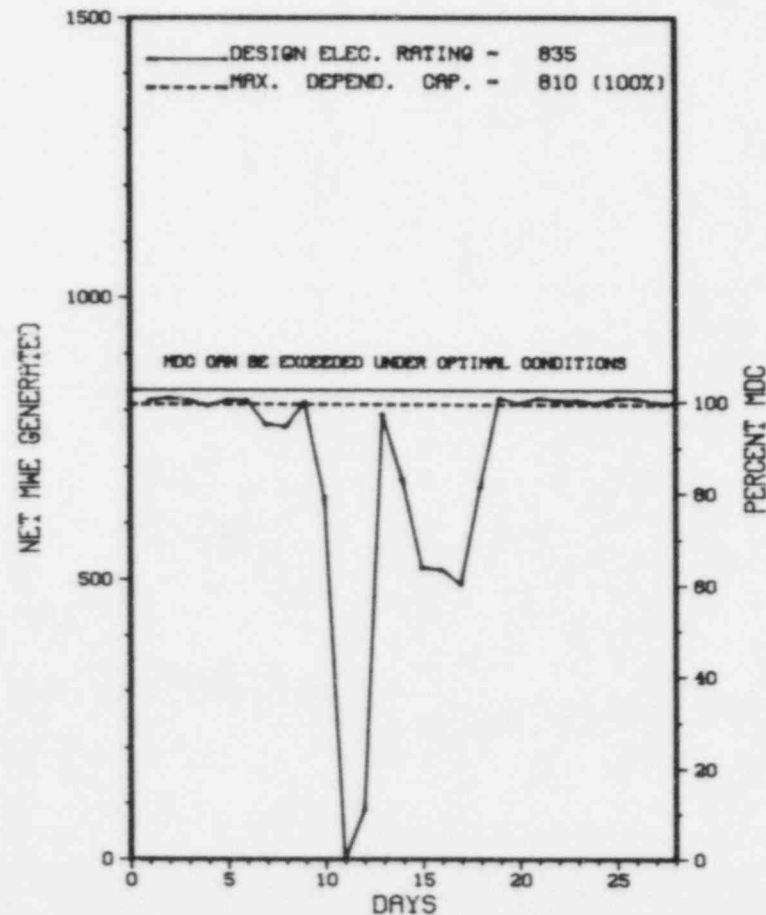
FIFTH REFUELING, 05/19/86, SCHEDULED 93 DAYS.

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

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/07/86	S	0.0	B	5		CD	VALVEX	THE STATION REDUCED POWER TO PERFORM THE MAIN STEAM TRIP VALVE TEST. THE TEST RESULTS WERE SATISFACTORY AND THE STATION WAS RETURNED TO A NOMINAL 100 PERCENT POWER LEVEL.
2	02/10/86	F	44.7	A	3	86-001	EG	ELECON	AT 1927 HOURS ON THE 10TH, A TURBINE TRIP/REACTOR TRIP OCCURRED CAUSED BY A FAILURE OF VITAL BUS #3. THE REACTOR WAS RETURNED TO CRITICALITY AT 1450 HOURS AND THE STATION RETURNED TO SERVICE AT 1610 HOURS ON THE 12TH.
3	02/12/86	F	0.0	A	5		HF	PIPEXX	POWER LEVEL WAS HELD AT A REDUCED LEVEL DUE TO A LEAKING TURBINE PLANT COMPONENT COOLING WATERLINE. THE LINE WAS REPAIRED AND POWER LEVEL WAS RETURNED TO A NOMINAL 100 PERCENT.
4	02/14/86	F	0.0	B	5		CH	PUMPXX	POWER LEVEL WAS REDUCED SO THAT MAINTENANCE COULD BE PERFORMED ON FEEDWATER PUMP (FW-P-1B). REPAIRS WERE COMPLETED AT 0913 HOURS ON THE 18TH AND POWER LEVEL WAS RETURNED TO A NOMINAL 100 PERCENT.

 * SUMMARY *

 BEAVER VALLEY 1 OPERATED WITH 3 REDUCTIONS AND 1 OUTAGE DURING FEBRUARY.

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)

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period FEB 1986

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
ALQUIPPA, PA 15001

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX R, SECTION III.J, REQUIRES THAT EMERGENCY LIGHTING UNITS WITH AT LEAST AN 8-HOUR BATTERY POWER SUPPLY SHALL BE PROVIDED IN ALL AREAS NEEDED FOR OPERATION OF SAFE SHUTDOWN EQUIPMENT AND IN ACCESS AND EGRESS ROUTES THERETO. CONTRARY TO THE ABOVE, AS OF NOVEMBER 22, 1985, THE EMERGENCY LIGHTING UNITS WITH AT LEAST AN 8-HOUR BATTERY POWER SUPPLY WERE NOT PROVIDED IN THE FOLLOWING SAFE SHUTDOWN ACCESS AND EGRESS ROUTES: 1) CLEAN SHOP (FIRE AREA SH-1); 2) STAIRWAY VESTIBULE IMMEDIATELY OUTSIDE THE CONTROL ROOM IN THE SERVICE BUILDING; 3) THE CORRIDOR BETWEEN THE AFOREMENTIONED STAIRWAY (ITEM 2) AND THE SERVICE BUILDING ROOF; 4) THE SERVICE BUILDING ROOF AND THE YARD AREA BETWEEN THE SERVICE BUILDING AND THE DIESEL GENERATOR BUILDING.
(8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period FEB 1986

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

* BEAVER VALLEY 1 *

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (Mwt): 240

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

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 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

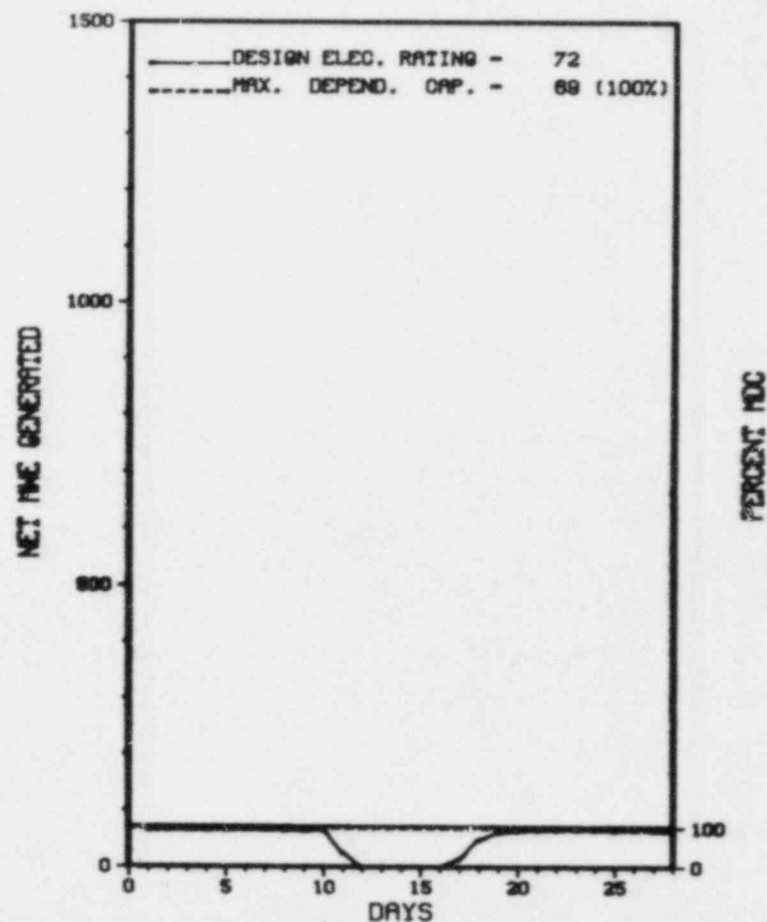
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>200,947.0</u>
13. Hours Reactor Critical	<u>544.4</u>	<u>1,288.4</u>	<u>142,520.2</u>
14. Rx Reserve Shtdn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>534.8</u>	<u>1,278.8</u>	<u>139,919.8</u>
16. Unit Reserve Shtdn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>110,767</u>	<u>270,363</u>	<u>26,315,632</u>
18. Gross Elec Ener (MMH)	<u>35,301</u>	<u>85,754</u>	<u>8,326,942</u>
19. Net Elec Ener (MMH)	<u>33,431</u>	<u>81,761</u>	<u>7,873,924</u>
20. Unit Service Factor	<u>79.6</u>	<u>90.3</u>	<u>69.6</u>
21. Unit Avail Factor	<u>79.6</u>	<u>90.3</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>72.1</u>	<u>83.7</u>	<u>58.3*</u>
23. Unit Cap Factor (DER Net)	<u>69.1</u>	<u>80.2</u>	<u>54.4</u>
24. Unit Forced Outage Rate	<u>20.4</u>	<u>9.7</u>	<u>15.1</u>
25. Forced Outage Hours	<u>137.2</u>	<u>137.2</u>	<u>11,486.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * BIG ROCK POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



FEBRUARY 1986

* Item calculated with a Weighted Average

PAGE 2-014

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
86-01	02/11/86	F	137.2	A	1	86-02		PLANT EXCEEDED TECHNICAL SPECIFICATION UNIDENTIFIED LEAKAGE RATE. REACTOR DEPRESSURIZATION SYSTEM VALVES WERE FOUND TO BE THE SOURCE OF LEAKAGE. VALVE WERE REPAIRED AND PLANT RETURNED TO SERVICE.

* SUMMARY *

BIG ROCK POINT 1 OPERATED WITH 1 OUTAGE DUE TO EQUIPMENT FAILURE IN FEBRUARY.

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

* BIG ROCK POINT 1 *

FACILITY DATA

Report Period FEB 1986

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 JULY 30 - OCTOBER 31 (85014): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY THE SENIOR RESIDENT INSPECTOR AND A REGION III INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE OPERATION, LICENSEE EVENT REPORT FOLLOWUP, LICENSING ACTIVITIES, HEADQUARTERS REQUESTS, AND TMI ACTION ITEM FOLLOWUP. THE INSPECTION INVOLVED A TOTAL OF 280 INSPECTOR HOURS BY TWO NRC INSPECTORS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS. SEVERAL VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREA AND THESE WERE DISCUSSED WITH THE LICENSEE IN AN ENFORCEMENT CONFERENCE. THESE VIOLATIONS AND THE RESULTANT ENFORCEMENT ACTION WILL BE ADDRESSED UNDER SEPARATE COVER.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period FEB 1986

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

* BIG ROCK POINT 1 *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: FEBRUARY 18 - 21, 1986

INSPECTION REPORT NO: 86005

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
-----
85-09      12/07/85    01/06/86    MANUAL REACTOR TRIP
=====
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1. Docket: 50-259 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>101,522.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>59,520.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>58,276.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>167,963,338</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>55,398,130</u>
19. Net Elec Ener (MWH)	<u>-3,501</u>	<u>-8,072</u>	<u>53,708,937</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>57.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>57.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>49.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>49.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>23.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>18,041.1</u>

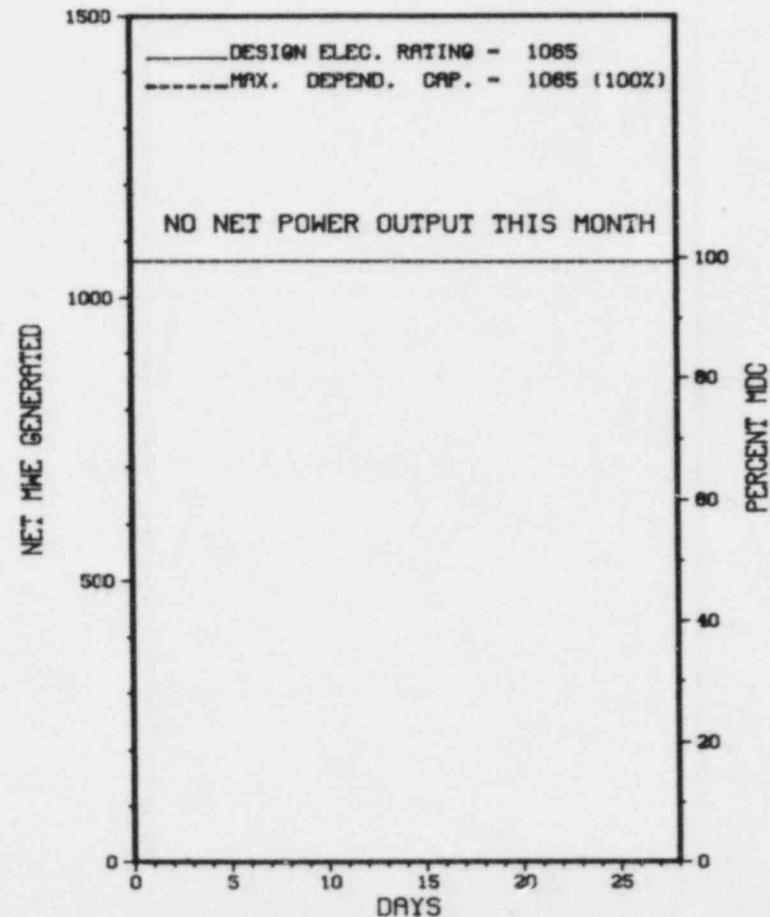
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 09/14/86

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



FEBRUARY 1986

Report Period FEB 1986

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	672.0	C	4				END OF CYCLE 6 REFUEL OUTAGE CONTINUES.

* SUMMARY *

BROWNS FERRY 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

Report Period FEB 1986

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTONE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
DECATUR, ALA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...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

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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
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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 SUMMARY

INSPECTION STATUS

* INSPECTION NOVEMBER 21 - DECEMBER 31 (85-57): THIS ROUTINE INSPECTION INVOLVED 93 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY; MAINTENANCE OBSERVATION; SURVEILLANCE TESTING; REPORTABLE OCCURRENCES; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT PROGRAM; AND EMERGENCY DRILL. FOUR VIOLATIONS WERE IDENTIFIED: 1) 10CFR 50.59 FOR FAILURE TO HAVE PRIOR NRC APPROVAL FOR CHANGING A SECONDARY CONTAINMENT ISOLATION DAMPER TIMING; 2) TECHNICAL SPECIFICATION 6.3.A.6 FOR FAILURE TO CONDUCT SIXTEEN SURVEILLANCE INSTRUCTIONS DURING SHUTDOWN AND REFUELING. 3) 10CFR 50, APPENDIX B, CRITERION V FOR FOUR EXAMPLES: A) FAILURE TO HAVE 4160 VOLT SHUTDOWN BOARD A CONTROL POWER CONNECTED PER PLANT DRAWING; B) FAILURE TO HAVE DIESEL GENERATOR OIL PRESSURE SWITCH FUNCTIONAL AS PER PLANT DRAWING; C) FAILURE TO HAVE AN ADEQUATE PROCEDURE TO CONDUCT LPRM CHANGEOUT; D) FAILURE TO CONDUCT CHARCOAL BED IODINE REMOVAL ANALYSIS IN ACCORDANCE WITH THE TEST REQUIREMENTS AND 4) 10CFR 50, APPENDIX B, CRITERION II FOR FAILURE TO CARRY OUT THE QUALITY ASSURANCE PROGRAM IN ACCORDANCE WITH WRITTEN PROCEDURES AFTER THE DISCOVERY OF NONCONFORMING FUEL CHANNELS.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 24 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS, IN THE AREA OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 13-17 (86-03): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF OBSERVATION OF LIQUID PENETRANT EXAMINATIONS, REVIEW OF RADIOGRAPHIC FILM, FOLLOWUP ON ITEMS OF NONCOMPLIANCE AND UNRESOLVED ITEMS, FOLLOWUP ON IE BULLETINS, AND FOLLOWUP ON INSPECTOR IDENTIFIED PROBLEMS. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO FOLLOW PROCEDURES FOR HOUSEKEEPING IN RADIATION AND CONTAMINATED AREAS AND FAILURE TO FOLLOW PROCEDURE FOR REMOVAL OF TEMPORARY ATTACHMENTS ON RECIRCULATION SYSTEM PIPE SPOOL PIECE.

Report Period FEB 1986

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

* BROWNS FERRY 1 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

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: JANUARY 13-17, 1986 +

INSPECTION REPORT NO: 50-259/86-03 +

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

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

85-052	09/24/85	01/14/86	STATUS OF FUSE IDENTIFICATION PROGRAM. DESCRIBE THE FUSE IDENTIFICATION AND LABELING PROGRAM.
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>96,433.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>54,338.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>0</u>	<u>0</u>	<u>153,245,167</u>
18. Gross Elec Ener (MMH)	<u>0</u>	<u>0</u>	<u>50,771,798</u>
19. Net Elec Ener (MMH)	<u>-4,302</u>	<u>-8,586</u>	<u>49,256,778</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>56.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>56.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>48.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>48.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>23.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>16,304.4</u>

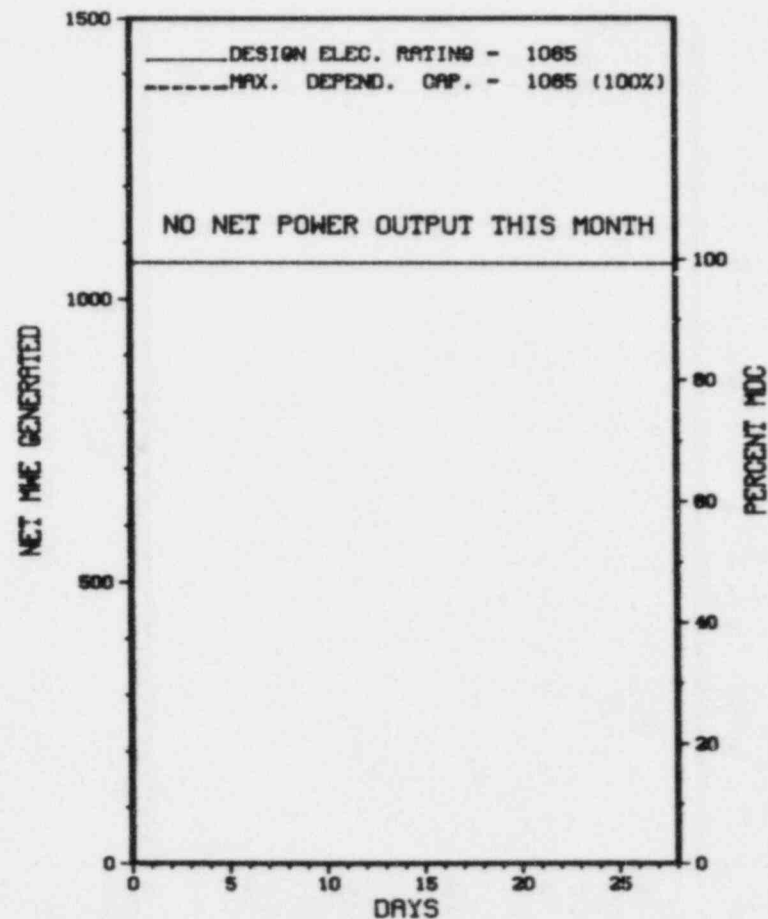
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/04/86

 * BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



FEBRUARY 1986

Report Period FEB 1986

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	672.0	C	4				EOC-5 REFUEL & MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

 BROWNS FERRY 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

* BROWNS FERRY 2 *

FACILITY DATA

Report Period FEB 1986

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 NOVEMBER 21 - DECEMBER 31 (85-57): THIS ROUTINE INSPECTION INVOLVED 93 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY; MAINTENANCE OBSERVATION; SURVEILLANCE TESTING; REPORTABLE OCCURRENCES; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT PROGRAM; AND EMERGENCY DRILL. FOUR VIOLATIONS WERE IDENTIFIED: 1) 10CFR 50.59 FOR FAILURE TO HAVE PRIOR NRC APPROVAL FOR CHANGING A SECONDARY CONTAINMENT ISOLATION DAMPER TIMING; 2) TECHNICAL SPECIFICATION 6.3.A.6 FOR FAILURE TO CONDUCT SIXTEEN SURVEILLANCE INSTRUCTIONS DURING SHUTDOWN AND REFUELING. 3) 10CFR 50, APPENDIX B, CRITERION V FOR FOUR EXAMPLES: A) FAILURE TO HAVE 4160 VOLT SHUTDOWN BOARD A CONTROL POWER CONNECTED PER PLANT DRAWING; B) FAILURE TO HAVE DIESEL GENERATOR OIL PRESSURE SWITCH FUNCTIONAL AS PER PLANT DRAWING; C) FAILURE TO HAVE AN ADEQUATE PROCEDURE TO CONDUCT LPRM CHANGEOUT; D) FAILURE TO CONDUCT CHARCOAL BED IODINE REMOVAL ANALYSIS IN ACCORDANCE WITH THE TEST REQUIREMENTS AND 4) 10CFR 50, APPENDIX B, CRITERION II FOR FAILURE TO CARRY OUT THE QUALITY ASSURANCE PROGRAM IN ACCORDANCE WITH WRITTEN PROCEDURES AFTER THE DISCOVERY OF NONCONFORMING FUEL CHANNELS.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS, IN THE AREA OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 13-17 (86-03): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF OBSERVATION OF LIQUID PENETRANT EXAMINATIONS, REVIEW OF RADIOGRAPHIC FILM, FOLLOWUP ON ITEMS OF NONCOMPLIANCE AND UNRESOLVED ITEMS, FOLLOWUP ON IE BULLETINS, AND FOLLOWUP ON INSPECTOR IDENTIFIED PROBLEMS. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO FOLLOW PROCEDURES FOR HOUSEKEEPING IN RADIATION AND CONTAMINATED AREAS AND FAILURE TO FOLLOW PROCEDURE FOR REMOVAL OF TEMPORARY ATTACHMENTS ON RECIRCULATION SYSTEM PIPE SPOOL PIECE.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

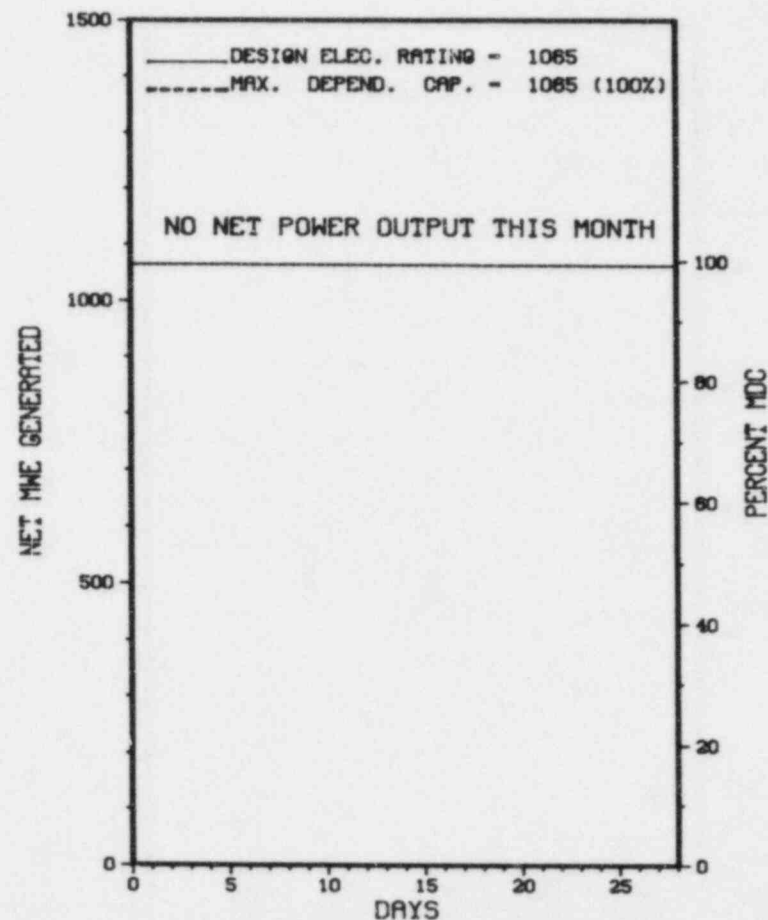
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>78,888.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>45,306.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,149.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>44,195.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>131,846,076</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>43,473,760</u>
19. Net Elec Ener (MWH)	<u>-3,051</u>	<u>-6,287</u>	<u>42,128,386</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>56.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>56.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>50.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>50.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>22.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,473.4</u>

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

27. If Currently Shutdown Estimated Startup Date: 03/15/86

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 3



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
157	12/01/85	S	672.0	H	4				ENVIRONMENTAL QUALIFICATION OUTAGE TO COMPLY WITH NRC REQUIREMENTS.

* SUMMARY *

BROWNS FERRY 3 REMAINS SHUTDOWN FOR ENVIRONMENTAL QUALIFICATION.

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

FACILITY DATA

Report Period FEB 1986

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 21 - DECEMBER 31 (85-57): THIS ROUTINE INSPECTION INVOLVED 94 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY; MAINTENANCE OBSERVATION; SURVEILLANCE TESTING; REPORTABLE OCCURRENCES; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT PROGRAM; AND EMERGENCY DRILL. FOUR VIOLATIONS WERE IDENTIFIED: 1) 10CFR 50.59 FOR FAILURE TO HAVE PRIOR NRC APPROVAL FOR CHANGING A SECONDARY CONTAINMENT ISOLATION DAMPER TIMING; 2) TECHNICAL SPECIFICATION 6.3.A.6 FOR FAILURE TO CONDUCT SIXTEEN SURVEILLANCE INSTRUCTIONS DURING SHUTDOWN AND REFUELING. 3) 10CFR 50, APPENDIX B, CRITERION V FOR FOUR EXAMPLES: A) FAILURE TO HAVE 4160 VOLT SHUTDOWN BOARD A CONTROL POWER CONNECTED PER PLANT DRAWING; B) FAILURE TO HAVE DIESEL GENERATOR OIL PRESSURE SWITCH FUNCTIONAL AS PER PLANT DRAWING; C) FAILURE TO HAVE AN ADEQUATE PROCEDURE TO CONDUCT LPRM CHANGEOUT; D) FAILURE TO CONDUCT CHARCOAL BED IODINE REMOVAL ANALYSIS IN ACCORDANCE WITH THE TEST REQUIREMENTS AND 4) 10CFR 50, APPENDIX B, CRITERION II FOR FAILURE TO CARRY OUT THE QUALITY ASSURANCE PROGRAM IN ACCORDANCE WITH WRITTEN PROCEDURES AFTER THE DISCOVERY OF NONCONFORMING FUEL CHANNELS.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS, IN THE AREA OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 13-17 (86-03): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF OBSERVATION OF LIQUID PENETRANT EXAMINATIONS, REVIEW OF RADIOGRAPHIC FILM, FOLLOWUP ON ITEMS OF NONCOMPLIANCE AND UNRESOLVED ITEMS, FOLLOWUP ON IE BULLETINS, AND FOLLOWUP ON INSPECTOR IDENTIFIED PROBLEMS. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO FOLLOW PROCEDURES FOR HOUSEKEEPING IN RADIATION AND CONTAMINATED AREAS AND FAILURE TO FOLLOW PROCEDURE FOR REMOVAL OF TEMPORARY ATTACHMENTS ON RECIRCULATION SYSTEM PIPE SPOOL PIECE.

Report Period FEB 1986

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

* BROWNS FERRY 3 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

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: JANUARY 13-17, 1986 +

INSPECTION REPORT NO: 50-296/86-03 +

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

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

NONE.			
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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):

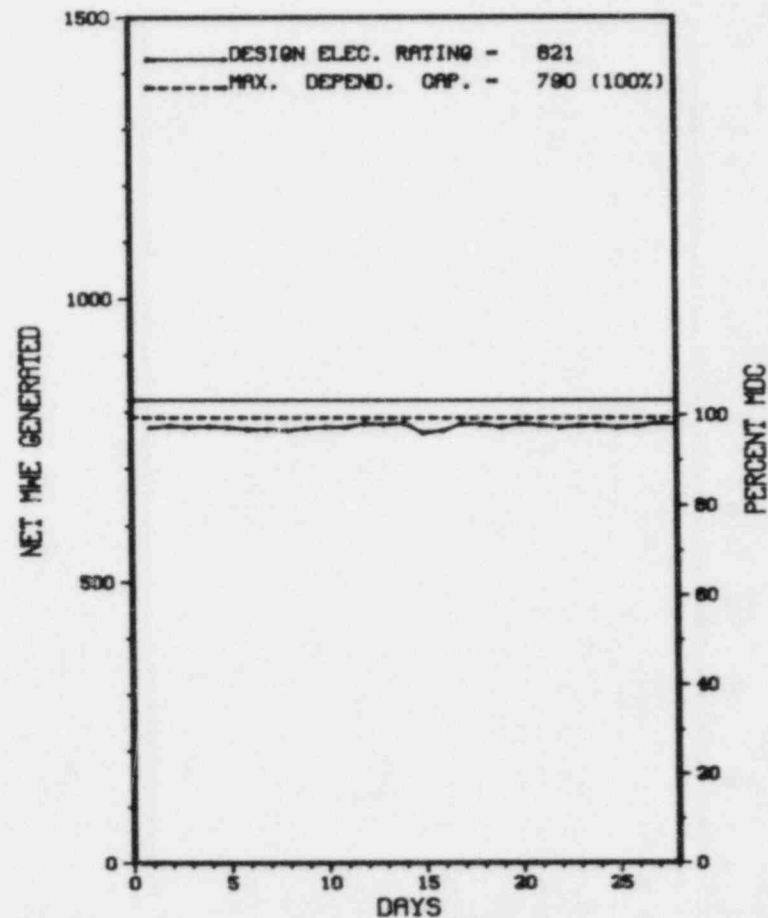
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>78,481.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>48,247.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>45,554.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,618,301</u>	<u>3,390,572</u>	<u>93,497,227</u>
18. Gross Elec Ener (MWH)	<u>532,323</u>	<u>1,122,697</u>	<u>30,873,967</u>
19. Net Elec Ener (MWH)	<u>518,017</u>	<u>1,092,227</u>	<u>29,650,915</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>58.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>58.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.6</u>	<u>97.6</u>	<u>47.8</u>
23. Unit Cap Factor (DER Net)	<u>93.9</u>	<u>94.0</u>	<u>46.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>17.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>9,697.4</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>			

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-010	02/15/86	F	0.0	B	5				PERFORMED SCRAM TIME ON ONE ROD THAT HAD MAINTENANCE WORK DONE.
86-009	02/07/86	S	0.0	B	5				REDUCED POWER FOR ROUTINE TURBINE, SV, CIV, AND BYPASS VALVE TESTING.

 * SUMMARY *

 BRUNSWICK 1 OPERATED WITH 2 REDUCTIONS DURING FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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....E. SYLVESTER
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 DECEMBER 1-31 (85-40): THIS ROUTINE, SAFETY INSPECTION INVOLVED 53 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFEGUARD FEATURE (ESF) SYSTEM WALKDOWN, ON SITE LICENSEE EVENT REPORTS (LERS) REVIEW, COLD WEATHER PREPARATIONS, PLANT MODIFICATIONS, AND FOLLOWUP ON IEB 80-11 (MASONRY WALL DESIGN). TWO VIOLATIONS WERE IDENTIFIED: TWO EXAMPLES OF FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION; TWO EXAMPLES OF FAILURE TO CONDUCT ACTIVITIES ACCORDING TO APPROVED PROCEDURES AND DRAWINGS.

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE (ONE HOUR ON BACKSHIFTS) INSPECTING: PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - VEHICLES; AND COMMUNICATIONS. IN ADDITION, FOUR HOURS OF INSPECTION TIME WAS EXPENDED IN CONDUCTING A REVIEW OF THE LICENSEE'S AUDIT PROGRAM FOR BACKGROUND SCREENING OF CONTRACTOR PERSONNEL IN RALEIGH, N.C. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE 10 AREAS INSPECTED. RESULTS OF THE AUDIT PROGRAM REVIEW ARE DISCUSSED IN REPORT.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES DID NOT CONTAIN PREREQUISITES, PRECAUTIONS, ACCEPTANCE CRITERIA AND

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

CHECKLISTS IN THAT A PROCEDURE WITHOUT THESE REQUIREMENTS, AOI-28, COLD WEATHER BILL ACTION ITEMS, WAS USED TO CHECK FREEZE PROTECTION CIRCUITS THAT PROTECTED THE SAFETY-RELATED CONDENSATE STORAGE TANK LEVEL SWITCHES. CONTRARY TO THE ABOVE, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED USING DOCUMENTED DRAWINGS IN THAT ALTHOUGH UNIT 2 DRAWING 9527-L-2260 REQUIRED LONGER BOLTS BE USED TO MOUNT LEVEL SWITCH 2-E41-LSL-N003, LONGER BOLTS WERE NOT USED, LEADING TO INSUFFICIENT THREAD ENGAGEMENT FOR THREE OF FOUR MOUNTING BOLTS. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVI, CORRECTIVE ACTION, AS IMPLEMENTED BY THE LICENSEE'S ACCEPTED QA PROGRAM (FSAR CHAPTER 17.2.16), CONDITIONS ADVERSE TO QUALITY WERE NOT CORRECTED IN THAT: (A) ALTHOUGH ANNUNCIATOR PANEL PROCEDURE UA-23 REQUIRED THE PERFORMANCE OF A GROUND ISOLATION PROCEDURE IN RESPONSE TO A "250 V BATTERY BUS A GROUND" ALARM, THE ALARM WAS RECEIVED AND DISABLED ON OR BEFORE JANUARY 1, 1985 AND, AS OF DECEMBER 13, 1985, NO GROUND ISOLATION PROCEDURE WAS PERFORMED ON BATTERY BUS A. (B) TEMPORARY HEAT TRACING, REQUIRED BY WORK REQUEST AND AUTHORIZATION 1-E-85-607, WAS REMOVED ON OCTOBER 28, 1985, FROM AROUND THE UNIT 1 CONDENSATE STORAGE TANK HPCI SUCTION TRANSFER LEVEL SWITCHES, E41-LSL-N002 AND N003, WITHOUT ANY PERMANENT CORRECTIVE ACTION IN PLACE. THE HEAT TRACING HAD BEEN INSTALLED TO CORRECT A FREEZING PROBLEM FOUND ON JANUARY 23, 1985 AND AS OF DECEMBER 23, 1985, PERMANENT CORRECTIVE ACTION HAD STILL NOT BEEN TAKEN. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES DID NOT CONTAIN PREREQUISITES, PRECAUTIONS, ACCEPTANCE CRITERIA AND CHECKLISTS IN THAT A PROCEDURE WITHOUT THESE REQUIREMENTS, AOI-28, COLD WEATHER BILL ACTION ITEMS, WAS USED TO CHECK FREEZE PROTECTION CIRCUITS THAT PROTECTED THE SAFETY-RELATED CONDENSATE STORAGE TANK LEVEL SWITCHES. CONTRARY TO THE ABOVE, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED USING DOCUMENTED DRAWINGS IN THAT ALTHOUGH UNIT 2 DRAWING 9527-L-2260 REQUIRED LONGER BOLTS BE USED TO MOUNT LEVEL SWITCH 2-E41-LSL-N003, LONGER BOLTS WERE NOT USED, LEADING TO INSUFFICIENT THREAD ENGAGEMENT FOR THREE OF FOUR MOUNTING BOLTS. (8504 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 6-10, 1986 +

INSPECTION REPORT NO: 50-325/86-02 +

Report Period FEB 1986

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

* BRUNSWICK 1 *

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NUMBER      DATE OF    DATE OF    SUBJECT
            EVENT      REPORT
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85-058      10/29/85   11/27/85   INOPERABILITY OF REACTOR CORE SPRAY AND RESIDUAL HEAT REMOVAL. A STEP IN THE PROCEDURE
            PREVENTED THE RHR LPCI INITIATION LOGIC FROM SENSING REACTOR PRESSURE.
85-059      11/02/85   12/02/85   REACTOR SCRAM RESULTING FROM PRIMARY CONTAINMENT GROUP I ISOLATION. A PRESSURE SPIKE OCCURRED
            ON THE INSTRUMENT'S COMMON REFERENCE LEG DUE TO OPENING THE INSTRUMENT DRAIN VALVE.
85-060      11/05/85   12/05/85   FAILURE TO PERFORM REQUIRED SAMPLING EXPLOSIVE GAS MONITORING SYSTEM. REQUIRED SURVEILLANCE
            MISSED DUE TO A FAILURE TO ADEQUATELY RECOGNIZE CHANGES IN PLANT CONDITIONS.
85-061      11/06/85   12/06/85   LOW PRESSURE COOLANT INJECTION AND CORE SPRAY DECLARED INOPERABLE. HPCI INOPERABILITY WAS
            ADMINISTRATIVE IN NATURE.
85-062      11/12/85   12/12/85   AUTOMATIC STARTING OF CONTROL BUILDING EMERGENCY AIR FILTRATION SYSTEM, ATTRIBUTED TO SPURIOUS
            ACTUATION AND DUST ACCUMULATION.
85-067      12/27/85   01/21/86   LOSS OF EMERGENCY AC BUS E-1 DURING CHANNEL FUNCTIONAL TESTING. THE EVENT WAS INITIATED AS THE
            RESULT OF A PROCEDURAL WEAKNESS.
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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: 02/01/86 Outage + On-line Hrs: 672.0

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

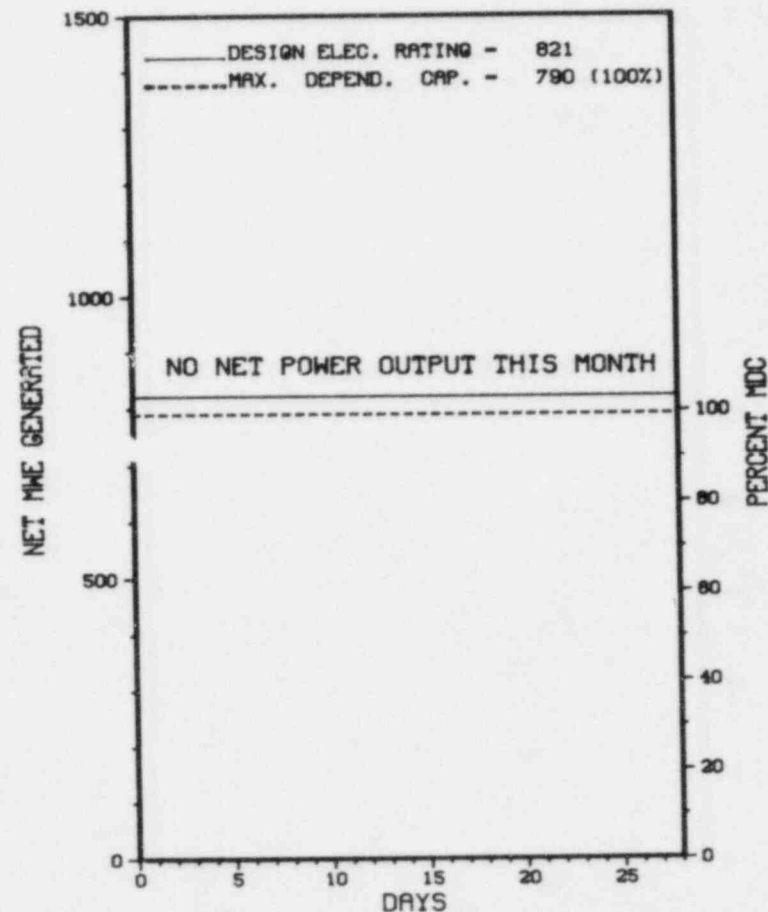
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>90,505.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>54,512.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>51,011.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>98,828,458</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>32,795,388</u>
19. Net Elec Ener (MWH)	<u>-2,651</u>	<u>-6,201</u>	<u>31,431,488</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>56.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>56.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>44.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>42.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>17.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,870.3</u>

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

27. If Currently Shutdown Estimated Startup Date: 06/04/86

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-078	11/30/85	S	672.0	C	4	NA	RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

 BRUNSWICK 2 REMAINS SHUTDOWN FOR MAINTENANCE AND REFUELING.

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

* BRUNSWICK 2 *

FACILITY DATA

Report Period FEB 1986

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.....E. SYLVESTER
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 DECEMBER 1-31 (85-40): THIS ROUTINE, SAFETY INSPECTION INVOLVED 54 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFEGUARD FEATURE (ESF) SYSTEM WALKDOWN, ON SITE LICENSEE EVENT REPORTS (LERS) REVIEW, COLD WEATHER PREPARATIONS, PLANT MODIFICATIONS, AND FOLLOWUP ON IEB 80-11 (MASONRY WALL DESIGN). TWO VIOLATIONS WERE IDENTIFIED: TWO EXAMPLES OF FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION; TWO EXAMPLES OF FAILURE TO CONDUCT ACTIVITIES ACCORDING TO APPROVED PROCEDURES AND DRAWINGS.

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE (ONE HOUR ON BACKSHIFTS) INSPECTING: PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - VEHICLES; AND COMMUNICATIONS. IN ADDITION, FOUR HOURS OF INSPECTION TIME WAS EXPENDED IN CONDUCTING A REVIEW OF THE LICENSEE'S AUDIT PROGRAM FOR BACKGROUND SCREENING OF CONTRACTOR PERSONNEL IN RALEIGH, N.C. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE 10 AREAS INSPECTED. RESULTS OF THE AUDIT PROGRAM REVIEW ARE DISCUSSED IN REPORT.

INSPECTION JANUARY 8-10 (86-03): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 10 INSPECTOR-HOURS AT THE WYLE LABORATORIES IN HUNTSVILLE, ALABAMA IN THE AREA OF SAFETY RELIEF VALVE (SRV) TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period FEB 1986

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

* BRUNSWICK 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

COLD SHUTDOWN REFUELING AND : MODIFICATIONS

LAST IE SITE INSPECTION DATE: JANUARY 8-10, 1986 +

INSPECTION REPORT NO: 50-324/86-03 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE.			

=====

1. Docket: 50-454 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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): 1152

11. Reasons for Restrictions, If Any: _____

SPLIT FEEDWATER FLOW.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>3,985.0</u>
13. Hours Reactor Critical	<u>392.2</u>	<u>1,103.7</u>	<u>2,384.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>21.7</u>	<u>37.8</u>
15. Hrs Generator On-Line	<u>392.2</u>	<u>1,063.3</u>	<u>2,255.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,211,423</u>	<u>3,241,070</u>	<u>6,580,262</u>
18. Gross Elec Ener (MWH)	<u>409,118</u>	<u>1,076,886</u>	<u>2,165,476</u>
19. Net Elec Ener (MWH)	<u>383,390</u>	<u>1,012,424</u>	<u>2,025,322</u>
20. Unit Service Factor	<u>58.4</u>	<u>75.1</u>	<u>56.6</u>
21. Unit Avail Factor	<u>58.4</u>	<u>75.1</u>	<u>56.6</u>
22. Unit Cap Factor (MDC Net)	<u>50.5</u>	<u>63.3</u>	<u>45.0</u>
23. Unit Cap Factor (DER Net)	<u>50.9</u>	<u>63.8</u>	<u>45.4</u>
24. Unit Forced Outage Rate	<u>7.1</u>	<u>8.8</u>	<u>8.3</u>
25. Forced Outage Hours	<u>29.8</u>	<u>102.7</u>	<u>205.3</u>

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

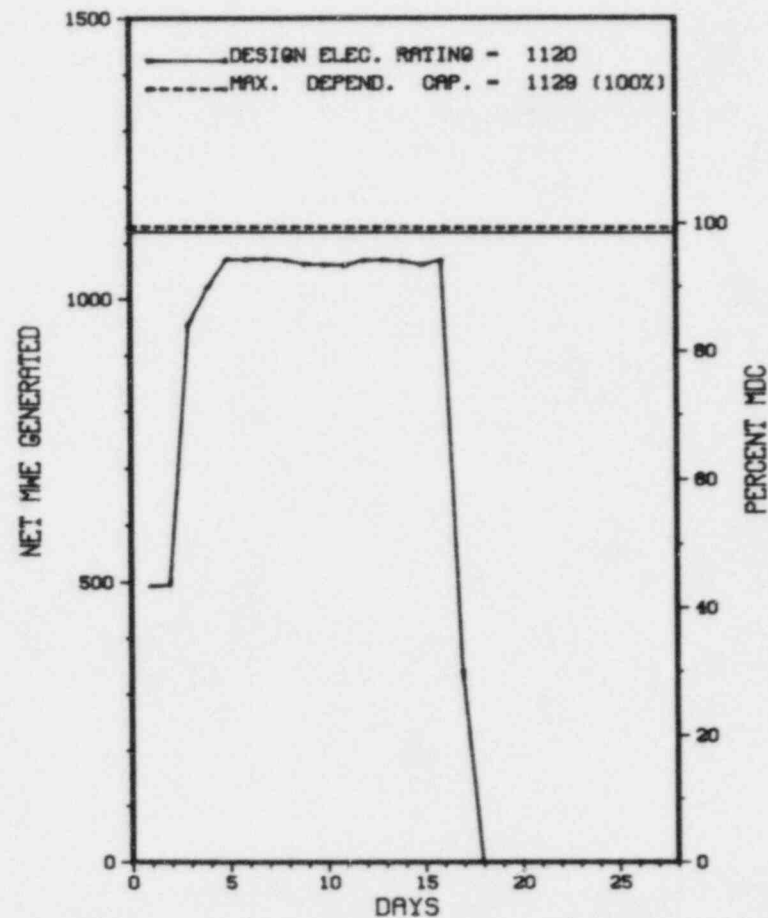
NONE

27. If Currently Shutdown Estimated Startup Date: 03/04/86

* BYRON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * BYRON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	01/31/86	S	0.0	B	5		KE	COND	CONDENSER WATERBOX CLEANING CONTINUED FROM PREVIOUS MONTH.
6	02/17/86	F	29.8	H	3	86-08	EZ	XPT	GENERATOR/TURBINE/REACTOR TRIP DUE TO MAIN TRANSFORMER PHASE IMBALANCE CAUSED BY TRANSMISSION TOWER ICING.
7	02/18/86	S	250.0	B	9				DECISION MADE TO ENTER THE PLANNED OUTAGE WHICH WAS ORIGINALLY SCHEDULED FOR 5/15/86.

 * SUMMARY *

 BYRON 1 OPERATED WITH 1 REDUCTION AND 2 OUTAGES, SHUTTING DOWN FOR MAINTENANCE ON FEBRUARY 18TH.

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

* BYRON 1 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....OGLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI SW OF
ROCKFORD, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...FEBRUARY 2, 1985
DATE ELEC ENER 1ST GENER...MARCH 1, 1985
DATE COMMERCIAL OPERATE...SEPTEMBER 16, 1985
CONDENSER COOLING METHOD...CC HNDCT
CONDENSER COOLING WATER...ROCK RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 20-21 AND BETWEEN NOVEMBER 4 AND DECEMBER 18 (85037): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXPOSURE CONTROLS; CONTROL OF RADIOACTIVE MATERIAL; SOLID RADWASTE; TRANSPORTATION; AN ALLEGATION CONCERNING HEALTH PHYSICS PRACTICES; LICENSEE ACTION ON PREVIOUS FINDINGS; UNIT 1 OUTAGE PLANNING; A UNIT 2 CONTAMINATION INCIDENT; A CONTAMINATED RESIN TRANSFER TO NON-LICENSED VENDORS; STATUS OF UNIT 2 RADIATION MONITORS; AND SELECTED IE INFORMATION NOTICES. THE INSPECTION INVOLVED 176 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 18-22, DECEMBER 9-12, 1985, AND JANUARY 10 (85049): ROUTINE UNANNOUNCED SAFETY INSPECTION CONDUCTED TO CLOSEOUT OPEN ITEMS AND VERIFY THE ADEQUACY OF ROUTINE FIRE PROTECTION PROGRAM IMPLEMENTATION. THE INSPECTION INVOLVED 63 INSPECTOR-HOURS INCLUDING EIGHT INSPECTOR-HOURS DURING OFF-SHIFTS AND NINE INSPECTOR-HOURS CONDUCTING IN-OFFICE REVIEW AT THE REGION III OFFICE. THE FOLLOWING INSPECTION PROCEDURES WERE USED DURING THIS INSPECTION: 30703, 64703, AND 92701. NO VIOLATIONS WERE IDENTIFIED IN ANY OF THE AREAS INSPECTED.

INSPECTION ON NOVEMBER 25-27, 1985 (85051): ROUTINE UNANNOUNCED INSPECTION OF GASEOUS AND LIQUID RADIOACTIVE PROGRAMS INCLUDING: EFFLUENT RELEASES, RECORDS AND REPORTS OF EFFLUENTS; PROCEDURES FOR CONTROLLING RELEASES; AND EFFLUENT CONTROL INSTRUMENTATION. THE INSPECTION INVOLVED 27 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

INSPECTION ON DECEMBER 2-13 (85056): SPECIAL UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS TO REVIEW SUPPLEMENTAL INFORMATION PRESENTED AT THE ENFORCEMENT CONFERENCE FOR INSPECTION REPORT 454/85042(DRP). THE INSPECTION CONSISTED OF 14 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING FIVE INSPECTOR-HOURS DURING OFF-SHIFTS. THIS REPORT IDENTIFIED ONE VIOLATION OF NRC REQUIREMENTS: (FAILURE TO WRITE AN ADEQUATE SURVEILLANCE/CALIBRATION PROCEDURE). THIS VIOLATION IS CONSIDERED TO BE OF MORE THAN MINOR SAFETY SIGNIFICANCE WHICH HAD THE POTENTIAL TO AFFECT THE PUBLIC'S HEALTH AND SAFETY. AS A RESULT OF THE SUPPLEMENTAL INFORMATION PROVIDED BY THE LICENSEE, THE APPARENT VIOLATION (454/85042-07(DRP)) IDENTIFIED IN INSPECTION REPORT 454/85042(DRP) IS NO LONGER CONSIDERED TO BE A VIOLATION AND IT IS HEREBY RETRACTED.

NONE

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR MAINTENANCE.

LAST IE SITE INSPECTION DATE: FEBRUARY 19, 1986

INSPECTION REPORT NO: 86008

Report Period FEB 1986

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

* BYRON 1 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
EVENT     REPORT
-----
85-96     12/07/85   01/03/86   INCORRECT PRESSURE LOOPS UTILIZED TO FULFILL POST ACCIDENT MONITORING REQUIREMENTS DUE TO
MISINTERPRETATION
85-97     12/08/85   01/03/86   INADVERTENT SAFETY INJECTION DURING SURVEILLANCE TESTING DUE TO MALPOSITIONED SWITCH
85-98     12/09/85   01/06/86   ACTUATION OF THE MAIN CONTROL ROOM VENTILATION SYSTEM DUE TO DE-ENERGIZATION OF THE ASSOCIATED
RADIATION MONITORS
85-99     12/11/85   01/06/86   ACTUATION OF THE MAIN CONTROL ROOM VENTILATION SYSTEM DUE TO THE SPIKING OF THE IODINE CHANNEL
OF THE OPR31J MONITOR
85-100    12/11/85   01/06/86   CONSTRUCTION EQUIPMENT BLOCKING FIRE DOOR IN OPEN POSITION
85-101    12/27/85   01/16/86   REACTOR TRIP DUE TO HIGH STEAM GENERATOR LEVEL DURING TESTING
85-102    12/31/85   01/16/86   MISSED ISI SURVEILLANCE DUE TO OUTAGE PROCEDURE DEFICIENCY
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1. Docket: 50-483 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: DAN PRATTE (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>672.0</u>	<u>1,416.0</u>	<u>10,478.5</u>
13. Hours Reactor Critical	<u>671.8</u>	<u>1,415.8</u>	<u>9,879.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>669.5</u>	<u>1,413.5</u>	<u>9,600.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,161,005</u>	<u>4,606,743</u>	<u>30,534,237</u>
18. Gross Elec Ener (MWH)	<u>740,893</u>	<u>1,576,025</u>	<u>10,389,968</u>
19. Net Elec Ener (MWH)	<u>704,984</u>	<u>1,500,363</u>	<u>9,869,150</u>
20. Unit Service Factor	<u>99.6</u>	<u>99.8</u>	<u>91.6</u>
21. Unit Avail Factor	<u>99.6</u>	<u>99.8</u>	<u>91.6</u>
22. Unit Cap Factor (MDC Net)	<u>93.7</u>	<u>94.6</u>	<u>84.1</u>
23. Unit Cap Factor (DER Net)	<u>89.6</u>	<u>90.5</u>	<u>80.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>536.8</u>

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

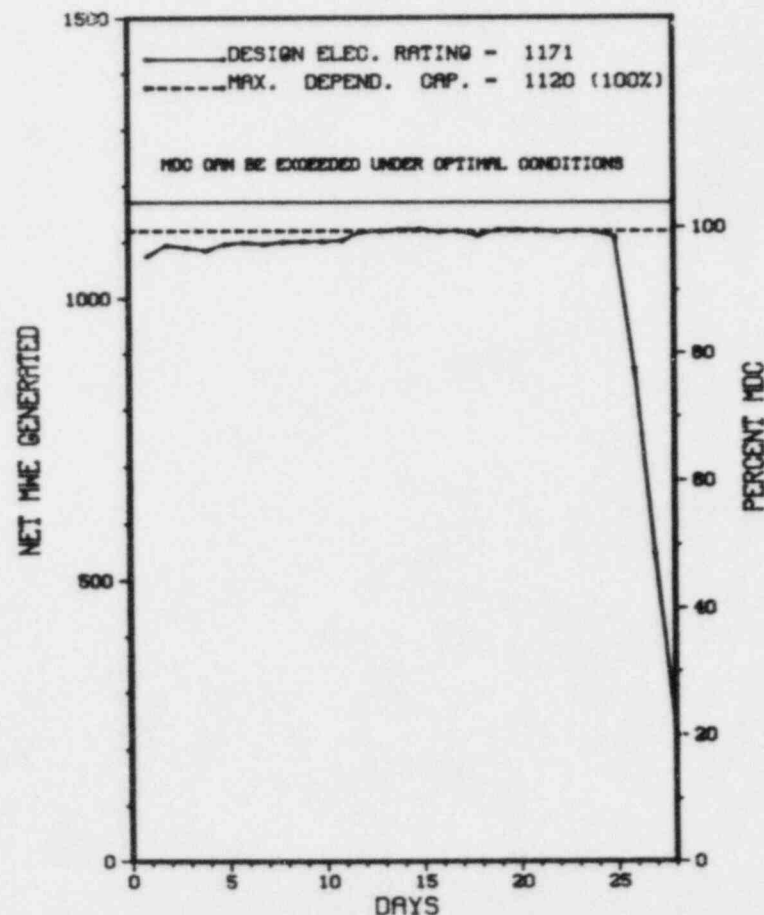
NONE

27. If Currently Shutdown Estimated Startup Date: 04/12/86

* CALLAWAY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
3	02/23/86	S	0.0	C	5			UNIT IN COASTDOWN PRIOR TO REFUELING.
4	02/28/86	S	2.5	C	1			UNIT OFF LINE FOR REFUELING.

* SUMMARY *

CALLAWAY 1 SHUTDOWN ON FEBRUARY 28TH FOR REFUELING.

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

* CALLAWAY 1 *

FACILITY DATA

Report Period FEB 1986

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 OCTOBER 22 THROUGH DECEMBER 16 (85023): ROUTINE UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE EVENT REPORTS, SURVEILLANCE OPERATIONAL SAFETY MAINTENANCE COLD WEATHER PREPARATIONS, RADIOLOGICAL EMERGENCY DRILL, SECURITY INFORMATION MEETING WITH LOCAL OFFICIALS AND A SITE VISIT. THE INSPECTION INVOLVED A TOTAL OF 269 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 57 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS, DEVIATIONS OR SAFETY CONCERNS WERE IDENTIFIED IN THE AREAS REVIEWED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

INSPECTION STATUS - (CONTINUED)

* CALLAWAY 1 *

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

PLANT STATUS:

SHUTDOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 15, 1986

INSPECTION REPORT NO: 86004

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-51	12/08/85	01/07/86	REACTOR TRIP ON HIGH NEGATIVE FLUX RATE
85-52	12/09/85	01/08/86	REACTOR TRIP DUE TO CLOSURE OF MFIVS
85-53	12/09/85	01/07/86	FAILURE TO SURVEIL A TECH SPEC CONTAINMENT PENETRATION
85-54	12/26/85	01/24/86	REACTOR TRIP ON SPURIOUS OT DELTA T SIGNAL

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: H. PORTER (301) 260-4868

4. Licensed Thermal Prod. (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):

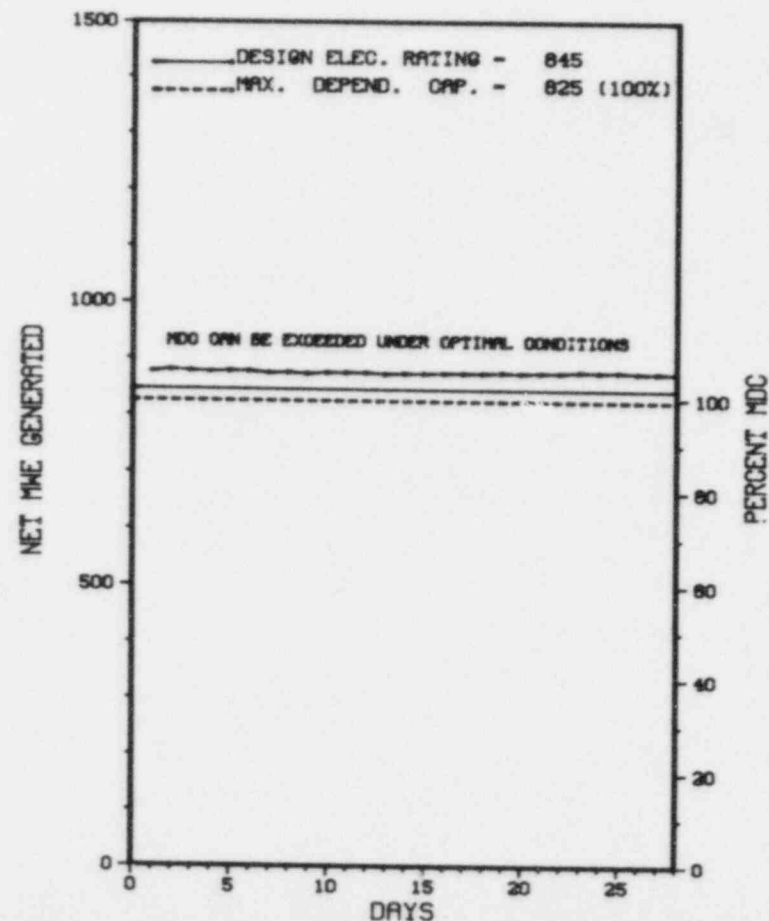
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>94,789.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,396.6</u>	<u>74,262.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,299.2</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,385.5</u>	<u>72,745.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,808,947</u>	<u>3,681,463</u>	<u>181,005,656</u>
18. Gross Elec Ener (MWH)	<u>613,151</u>	<u>1,248,526</u>	<u>59,851,303</u>
19. Net Elec Ener (MWH)	<u>588,463</u>	<u>1,196,572</u>	<u>57,112,874</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.8</u>	<u>76.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.8</u>	<u>76.7</u>
22. Unit Cap Factor (MDC Net)	<u>106.1</u>	<u>102.4</u>	<u>73.5*</u>
23. Unit Cap Factor (DER Net)	<u>103.6</u>	<u>100.0</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>8.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>30.5</u>	<u>6,325.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

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

* SUMMARY *

CALVERT CLIFFS 1 OPERATED AT FULL POWER DURING FEBRUARY.

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

* CALVERT CLIFFS 1 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI S OF
ANNAPOLIS, MD

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 7, 1974

DATE ELEC ENER 1ST GENER...JANUARY 3, 1975

DATE COMMERCIAL OPERATE....MAY 8, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CHESAPEAKE BAY

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

CORPORATE ADDRESS.....P.O. BOX 1475
BALTIMORE, MARYLAND 21203

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-317

LICENSE & DATE ISSUANCE....DPR-53, JULY 31, 1974

PUBLIC DOCUMENT ROOM.....CALVERT COUNTY LIBRARY
FOURTH STREET
PRINCE FREDERICK, MARYLAND 20678

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period FEB 1986

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

* CALVERT CLIFFS 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			

=====

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: H. PORTER (301) 260-4868

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

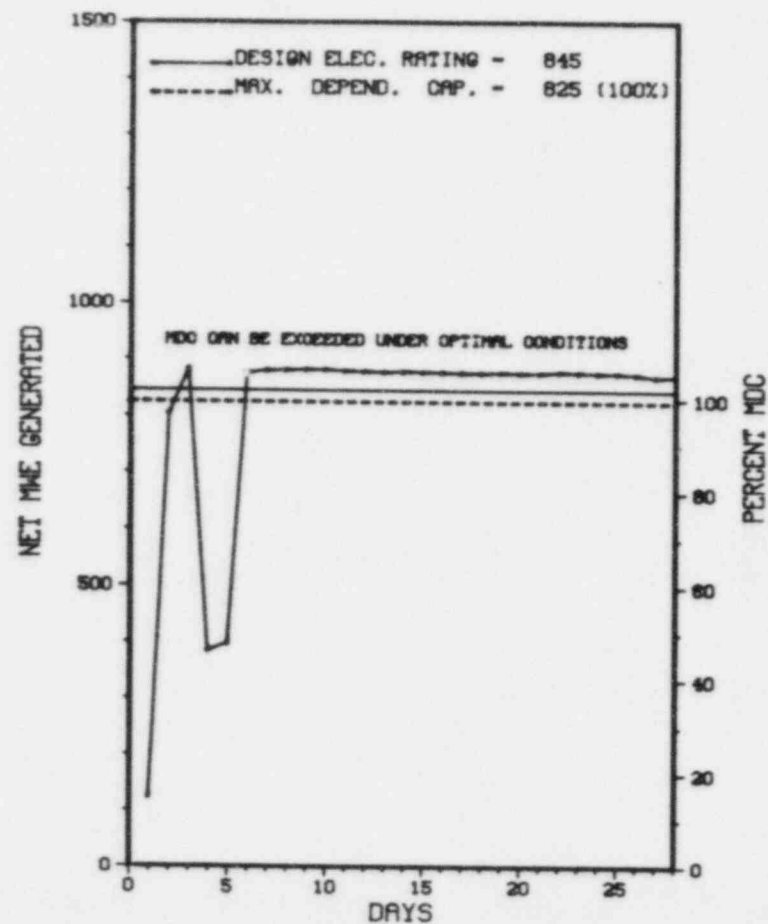
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>78,144.0</u>
13. Hours Reactor Critical	<u>654.9</u>	<u>1,398.9</u>	<u>64,841.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,260.9</u>
15. Hrs Generator On-Line	<u>652.5</u>	<u>1,396.5</u>	<u>63,806.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,658,362</u>	<u>3,645,516</u>	<u>160,127,551</u>
18. Gross Elec Ener (MWH)	<u>570,184</u>	<u>1,244,781</u>	<u>52,766,340</u>
19. Net Elec Ener (MWH)	<u>546,128</u>	<u>1,193,814</u>	<u>50,344,069</u>
20. Unit Service Factor	<u>97.1</u>	<u>98.6</u>	<u>81.7</u>
21. Unit Avail Factor	<u>97.1</u>	<u>98.6</u>	<u>81.7</u>
22. Unit Cap Factor (MDC Net)	<u>98.5</u>	<u>102.2</u>	<u>78.3*</u>
23. Unit Cap Factor (DER Net)	<u>96.2</u>	<u>99.8</u>	<u>76.2</u>
24. Unit Forced Outage Rate	<u>2.9</u>	<u>1.4</u>	<u>5.9</u>
25. Forced Outage Hours	<u>19.5</u>	<u>19.5</u>	<u>4,021.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



FEBRUARY 1986

* Item calculated with a Weighted Average

PAGE 2-054

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-02	02/04/86	F	19.5	A	3	86-02	IB	INSTRU	THE MAIN TURBINE TRIPPED DUE TO A SPURIOUS HIGH LEVEL STEAM GENERATOR TRIP SIGNAL. THE REACTOR TRIPPED ON LOSS OF LOAD.

* SUMMARY *

CALVERT CLIFFS 2 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

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 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period FEB 1986

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: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (MWh): 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>672.0</u>	<u>1,416.0</u>	<u>5,881.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,348.7</u>	<u>4,961.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,331.2</u>	<u>4,846.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,193,998</u>	<u>4,246,903</u>	<u>14,937,083</u>
18. Gross Elec Ener (MWH)	<u>776,226</u>	<u>1,499,490</u>	<u>5,183,759</u>
19. Net Elec Ener (MWH)	<u>734,969</u>	<u>1,414,716</u>	<u>4,855,230</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.0</u>	<u>82.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.0</u>	<u>82.4</u>
22. Unit Cap Factor (MDC Net)	<u>95.5</u>	<u>87.3</u>	<u>72.1</u>
23. Unit Cap Factor (DER Net)	<u>95.5</u>	<u>87.3</u>	<u>72.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.0</u>	<u>17.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>84.8</u>	<u>1,034.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

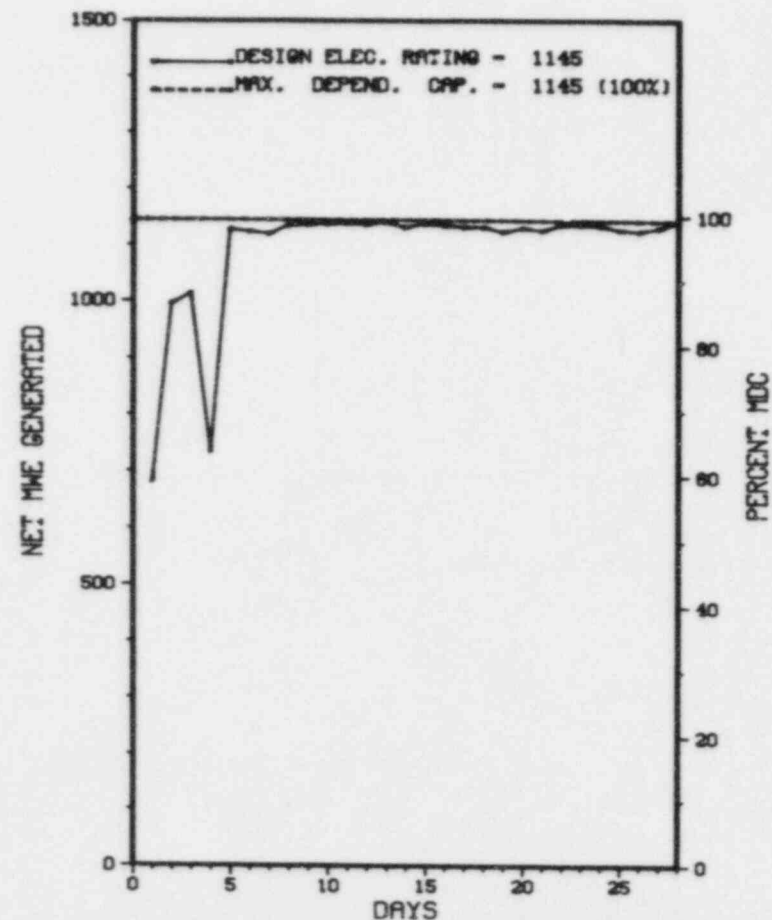
NONE

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

 * CATAWBA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* CATAWBA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
26-P	02/01/86	F	0.0	B	5		CH	HTEXCH	FEEDWATER PUMP 1A CONDENSER CLEANING.
28-P	02/02/86	F	0.0	A	5		CH	INSTRU	MAIN FEEDWATER PUMP (1A) VIBRATION INSTRUMENTATION REPAIR.
30-P	02/06/86	F	0.0	A	5		HC	TRANSF	LOW CONDENSER VACUUM DUE TO LOSS OF POWER TO COOLING TOWER TRANSFORMER.
33-P	02/13/86	F	0.0	H	5		HC	HTEXCH	COOLING TOWER "C" DE-ICING.

* SUMMARY *

CATAWBA 1 OPERATED WITH SEVERAL REDUCTIONS LISTED IN DETAIL ABOVE.

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

* CATAWBA 1 *

FACILITY DATA

Report Period FEB 1986

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

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 26 - DECEMBER 25 (85-52): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 51 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF LICENSEE AND NRC IDENTIFIED ITEMS; PLANT OPERATIONS; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATIONS; REVIEW OF ADMINISTRATIVE CONTROL OF OPERATING PROCEDURES; AND REVIEW OF TMI ACTION ITEMS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-10 (86-03): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 23 INSPECTOR-HOURS ON SITE AND AT THE LICENSEE'S DESIGN ENGINEERING OFFICE IN CHARLOTTE, NORTH CAROLINA, IN THE AREAS OF PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHORS (IEB 79-02) AND SEISMIC ANALYSIS FOR AS BUILT SAFETY-RELATED PIPING SYSTEMS (IEB 79-14) - UNIT 2. ALSO, INSPECTED AND EVALUATED THE INFORMATION RELATED TO THE FAILED SUPPORTS/RESTRAINTS IN THE AUXILIARY STEAM (SA) SYSTEM - UNIT 1. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO FOLLOW PROCEDURES IN RESTORING TO SERVICE FAILED SUPPORT/RESTRAINTS AND INADEQUATE ENGINEERING EVALUATION OF AN EVENT THAT DAMAGED SUPPORT/RESTRAINTS.

INSPECTION JANUARY 13-17 AND 23-31 (86-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 81 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREOPERATIONAL TEST WITNESSING, PREOPERATIONAL TEST RESULTS REVIEW, NRC INFORMATION NOTICE FOLLOWUP, REVIEW OF SAFETY EVALUATION REPORT (SER) OPEN ITEM AND REVIEW OF PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period FEB 1986

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

* CATAWBA 1 *

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: JANUARY 13-17 AND 23-31, 1986 +

INSPECTION REPORT NO: 50-413/86-09 +

Report Period FEB 1986

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

* CATAWBA 1 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
EVENT     REPORT
-----
85-061    10/18/85   11/18/85   UNIT SHUTDOWN DUE TO EXCESS REACTOR COOLANT UNIDENTIFIED LEAKAGE. LEAKAGE OF GREATER THAN 1 GPM
          WAS ATTRIBUTED TO SEVERAL LEAK SOURCES.
85-062    11/05/85   12/05/85   CONTINUOUS FIRE WATCH NOT PERFORMED DUE TO MISCOMMUNICATION. THIS INCIDENT RESULTED FROM
          MISCOMMUNICATION BETWEEN SECURITY AND MAINTENANCE PERSONNEL.
85-063    11/07/85   12/06/85   CERTAIN FIRE DETECTION ZONES NOT BEING SCANNED BY COMPUTER FOR UNKNOWN REASONS.
85-064    11/07/85   12/06/85   REQUIRED FIRE WATCHES NOT PERFORMED DUE TO MISCOMMUNICATION. THIS INCIDENT IS CLASSIFIED AS A
          PERSONNEL ERROR.
85-070    12/17/85   01/16/86   MISSED FIREWATCH DUE TO MALFUNCTION OF SECURITY COMPUTER. THE INCIDENT IS DUE TO THE EQUIPMENT
          MALFUNCTION IN THE SECURITY COMPUTER MULTIPLEXER.
85-071    12/20/85   01/17/86   REACTOR TRIP DUE TO MALFUNCTION OF FEEDWATER CONTROL VALVE. FEEDWATER CONTROL VALVE WAS FOUND
          TO CONTAIN WATER AND CORROSION.
=====
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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: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>97,848.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>69,715.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>68,268.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>1,967,273</u>	<u>4,149,374</u>	<u>199,145,027</u>
18. Gross Elec Ener (MWH)	<u>636,260</u>	<u>1,343,570</u>	<u>65,321,110</u>
19. Net Elec Ener (MWH)	<u>611,783</u>	<u>1,291,943</u>	<u>62,839,100</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.2</u>
22. Unit Cap Factor (MDC Net)	<u>89.3</u>	<u>89.4</u>	<u>64.2</u>
23. Unit Cap Factor (DER Net)	<u>88.4</u>	<u>88.6</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,942.9</u>

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

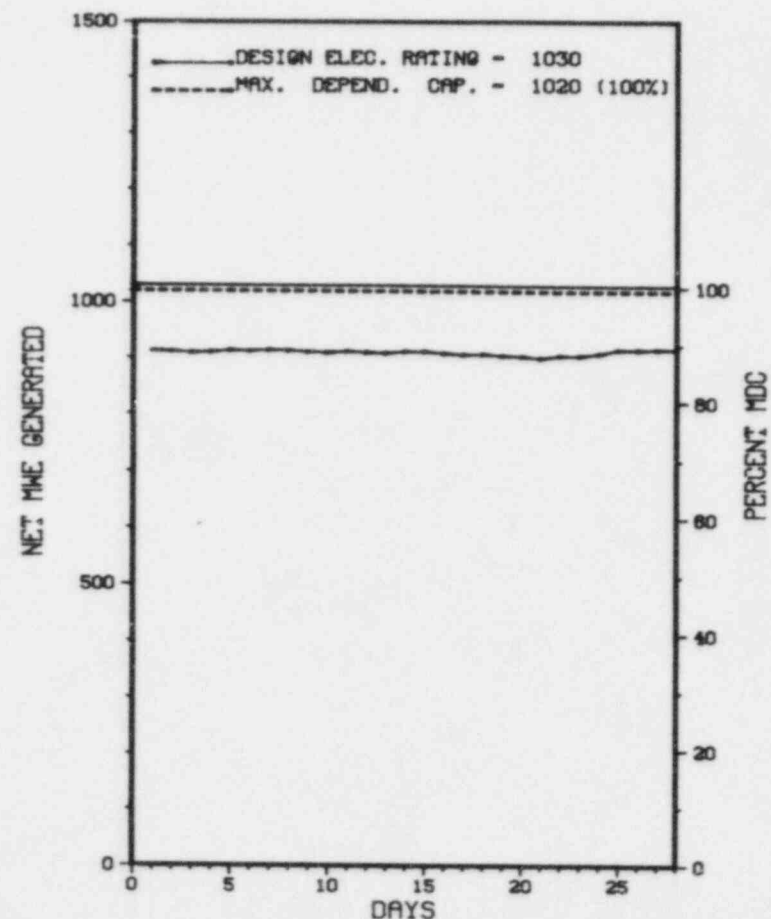
NONE

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

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* COOK 1 *

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

* SUMMARY *

COOK 1 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS IN FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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 DECEMBER 9-12 (85040): ROUTING, ANNOUNCED INSPECTION OF: (1) CHEMISTRY AND RADIOCHEMISTRY, INCLUDING WATER CHEMISTRY CONTROL, QUALITY ASSURANCE/QUALITY CONTROL OF SAMPLING AND ANALYSIS IN THE LABORATORY, OBSERVATIONS OF TECHNICIAN PERFORMANCE, AND OF LABORATORY, COUNTING ROOM, AND SAMPLING ROOMS; (2) TRAINING AND QUALIFICATIONS OF CHEMISTRY STAFF; (3) LICENSEE INTERNAL AUDITS; AND (4) REVIEW OF CORRECTIVE ACTIONS TAKEN REGARDING A LICENSEE EVENT REPORT. THE INSPECTION INVOLVED 66 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS WERE IDENTIFIED IN FIVE OF SIX AREAS INSPECTED. ONE APPARENT VIOLATION WAS IDENTIFIED IN THE AREA OF LABORATORY QUALITY ASSURANCE/QUALITY CONTROL FOR FAILURE TO PERFORM QUARTERLY ANALYSES OF UNKNOWNNS CONTAINING BORON AND FOR FAILURE TO ROUTINELY TEST THE INDIVIDUAL TECHNICIANS AS REQUIRED BY TECHNICAL SPECIFICATION 6.8.1.A (SEVERITY LEVEL V).

ENFORCEMENT SUMMARY

UNIT 1 AND UNIT 2 TECHNICAL SPECIFICATION 6.8.1.A STATES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING AMONG OTHER THINGS, THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER, 1972. THIS REQUIREMENT IS IMPLEMENTED IN PROCEDURE 12 THP 6020 LAB.044, "LABORATORY QUALITY ASSURANCE," (REVISION 6, SEPTEMBER 12, 1985), THAT STATES IN PART (SECTION 12.1): "A PROGRAM TO ASSURE THE RELIABILITY OF PROCEDURAL ACCURACY AND INDIVIDUAL TECHNICIAN TECHNIQUE WILL BE ROUTINELY CONDUCTED. EACH RELEVANT PROCEDURE WILL BE CHECKED AT LEAST QUARTERLY WITH 'UNKNOWNNS'." CONTRARY TO THE ABOVE REQUIREMENTS, THE LICENSEE HAS NOT FULLY IMPLEMENTED THIS PROCEDURE IN THAT: (1) THE LICENSEE FAILED TO PROVIDE

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* COOK 1 *

ENFORCEMENT SUMMARY

"UNKNOWN" SAMPLES TO CHECK THE PROCEDURAL ACCURACY IN THE DETERMINATION OF BORON CONCENTRATIONS IN REACTOR SYSTEMS, AND (2) SOME TECHNICIANS HAVE NOT BEEN CHECKED FOR PERFORMANCE TO ASSURE INDIVIDUAL TECHNICIAN TECHNIQUE. UNIT 1 AND UNIT 2 TECHNICAL SPECIFICATION 6.8.1.A STATES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING AMONG OTHER THINGS, THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER, 1972. THIS REQUIREMENT IS IMPLEMENTED IN PROCEDURE 12 THP 6020 LAB.044, "LABORATORY QUALITY ASSURANCE," (REVISION 6, SEPTEMBER 12, 1985), THAT STATES IN PART (SECTION 12.1): "A PROGRAM TO ASSURE THE RELIABILITY OF PROCEDURAL ACCURACY AND INDIVIDUAL TECHNICIAN TECHNIQUE WILL BE ROUTINELY CONDUCTED. EACH RELEVANT PROCEDURE WILL BE CHECKED AT LEAST QUARTERLY WITH 'UNKNOWN'." CONTRARY TO THE ABOVE REQUIREMENTS, THE LICENSEE HAS NOT FULLY IMPLEMENTED THIS PROCEDURE IN THAT: (1) THE LICENSEE FAILED TO PROVIDE "UNKNOWN" SAMPLES TO CHECK THE PROCEDURAL ACCURACY IN THE DETERMINATION OF BORON CONCENTRATIONS IN REACTOR SYSTEMS, AND (2) SOME TECHNICIANS HAVE NOT BEEN CHECKED FOR PERFORMANCE TO ASSURE INDIVIDUAL TECHNICIAN TECHNIQUE.
(8504 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 3 - 7, 1986

INSPECTION REPORT NO: 86011

Report Period FEB 1986

REPORTS FROM LICENSEE

* COOK 1 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
-----
85-65     11/25/85    12/26/85    ESF ACTUATION - REACTOR TRIP
85-66     12/12/85    12/30/85    ESF ACTUATION
85-67     12/04/85    01/02/86    INOPERABLE ICE CONDENSER LOWER INLET DOORS
85-68     12/13/85    01/02/86    ESF ACTUATION
85-69     11/17/85    01/09/86    OPERATION WITH INOPERABLE INTERMEDIATE RANGE NEUTRON FLUX DETECTOR
85-70     12/10/85    01/09/86    INOPERABLE FIRE BARRIERS
85-71     12/19/85    01/17/86    SUSPENDED FIRE WATCH TOUR
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OPERATING STATUS

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (MWt): 3411

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

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1100

8. Maximum Dependable Capacity (Net MWe): 1060

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	<u>MONTH</u>	<u>YEAR</u>	<u>CUMULATIVE</u>
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>71,544.0</u>
13. Hours Reactor Critical	<u>608.6</u>	<u>1,352.6</u>	<u>50,381.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>528.5</u>	<u>1,272.5</u>	<u>49,126.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,360,957</u>	<u>3,404,597</u>	<u>157,079,049</u>
18. Gross Elec Ener (MWH)	<u>436,500</u>	<u>1,097,780</u>	<u>50,784,190</u>
19. Net Elec Ener (MWH)	<u>418,027</u>	<u>1,053,472</u>	<u>48,954,822</u>
20. Unit Service Factor	<u>78.6</u>	<u>89.9</u>	<u>71.1</u>
21. Unit Avail Factor	<u>78.6</u>	<u>89.9</u>	<u>71.1</u>
22. Unit Cap Factor (MDC Net)	<u>58.7</u>	<u>70.2</u>	<u>66.9</u>
23. Unit Cap Factor (DER Net)	<u>56.6</u>	<u>67.6</u>	<u>65.4</u>
24. Unit Forced Outage Rate	<u>20.8</u>	<u>9.9</u>	<u>15.7</u>
25. Forced Outage Hours	<u>139.2</u>	<u>139.2</u>	<u>9,104.7</u>

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

NONE

27. If Currently Shutdown Estimated Startup Date: 07/10/86

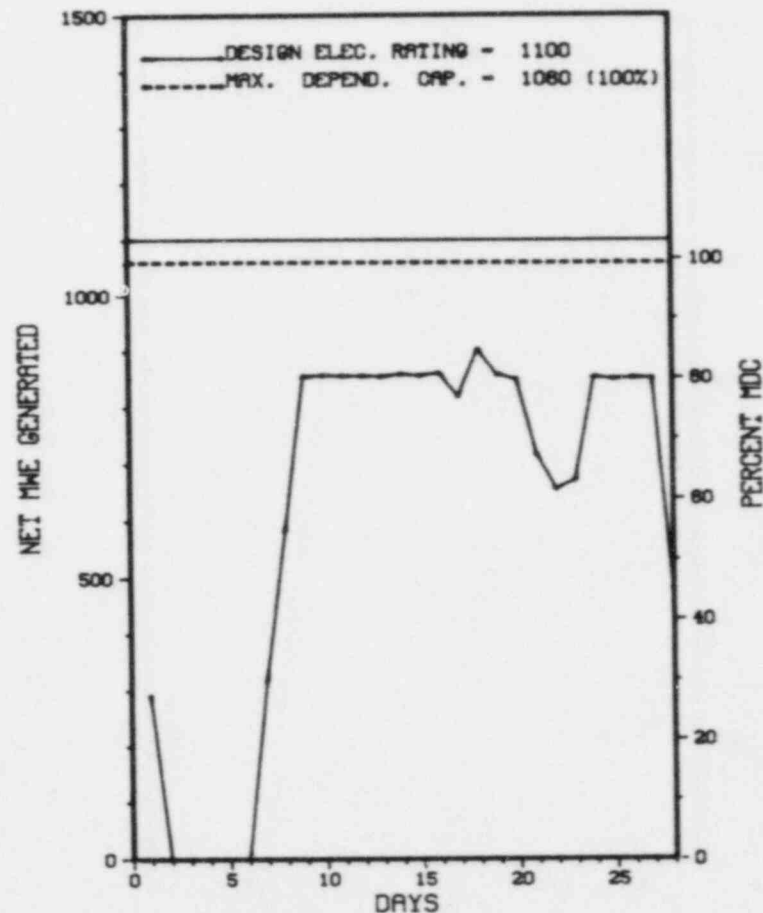
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X                                COOK 2                                X
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AVERAGE DAILY POWER LEVEL (MW_e) PLOT

COOK 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
169	02/01/86	F	139.2	A	3	86-005-0	EB	TRANSF	THE UNIT TRIPPED FROM 80% POWER DUE TO AUXILIARY TRANSFORMER 2 CD UNIT DIFFERENTIAL OPERATING. THE TRANSFORMER UNIT DIFFERENTIAL WAS CAUSED BY A BUSHING EXPLODING WHICH RESULTED IN A FIRE. REPAIRS WERE MADE WHICH PERMITTED STARTUP OF THE UNIT UTILIZING THE OFF-SITE AUXILIARY TRANSFORMERS.
170	02/21/86	F	0.0	B	5		HH	HTEXCH	REACTOR POWER WAS REDUCED TO 55% TO REMOVE THE WEST MAIN FEEDPUMP FROM SERVICE TO CHECK THE FEEDPUMP TURBINE CONDENSER FOR TUBE LEAKS. ONE LEAKING TUBE WAS PLUGGED. REACTOR POWER WAS RETURNED TO 80% THE SAME DAY.
171	02/22/86	F	0.0	B	5		HH	HTEXCH	REACTOR POWER WAS REDUCED TO 55% TO AGAIN REMOVE THE WEST MAIN FEEDPUMP FROM SERVICE TO CHECK THE FEEDPUMP TURBINE CONDENSER FOR TUBE LEAKS. SIX TUBES WERE PLUGGED. THE EAST FEEDPUMP TURBINE CONDENSER WAS ALSO CHECKED WITH ONE TUBE PLUGGED. REACTOR POWER WAS RETURNED TO 80% ON 860223.
172	02/28/86	S	4.3	C	1		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE AT 1943 HOURS FOR CYCLE 5-6 REFUELING OUTAGE. IN ADDITION TO THE REFUELING ACTIVITIES, MAJOR MAINTENANCE WORK INCLUDES STEAM GENERATOR EDDY CURRENT TESTING, CONTROL ROD GUIDE TUBE SPLIT PIN REPLACEMENT, REPLACEMENT OF THE MAIN FEEDPUMP TURBINE CONDENSERS, REPLACEMENT OF PCB OIL COOLED TRANSFORMERS.

5

* SUMMARY *

COOK 2 OPERATED WITH 2 OUTAGES AND 2 REDUCTIONS IN FEBRUARY.

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

* COOK 2 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....BERRIEN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI S OF
BENTON HARBOR, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 10, 1978
DATE ELEC ENER 1ST GENER...MARCH 22, 1978
DATE COMMERCIAL OPERATE...JULY 1, 1978
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON DECEMBER 9-12 (85040): ROUTING, ANNOUNCED INSPECTION OF: (1) CHEMISTRY AND RADIOCHEMISTRY, INCLUDING WATER CHEMISTRY CONTROL, QUALITY ASSURANCE/QUALITY CONTROL OF SAMPLING AND ANALYSIS IN THE LABORATORY, OBSERVATIONS OF TECHNICIAN PERFORMANCE, AND OF LABORATORY, COUNTING ROOM, AND SAMPLING ROOMS; (2) TRAINING AND QUALIFICATIONS OF CHEMISTRY STAFF; (3) LICENSEE INTERNAL AUDITS; AND (4) REVIEW OF CORRECTIVE ACTIONS TAKEN REGARDING A LICENSEE EVENT REPORT. THE INSPECTION INVOLVED 66 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS WERE IDENTIFIED IN FIVE OF SIX AREAS INSPECTED. ONE APPARENT VIOLATION WAS IDENTIFIED IN THE AREA OF LABORATORY QUALITY ASSURANCE/QUALITY CONTROL FOR FAILURE TO PERFORM QUARTERLY ANALYSES OF UNKNOWN CONTAINING BORON AND FOR FAILURE TO ROUTINELY TEST THE INDIVIDUAL TECHNICIANS AS REQUIRED BY TECHNICAL SPECIFICATION 6.3.1.A (SEVERITY LEVEL V).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

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X                                COOK 2                                X
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SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 2 - 7, 1986

INSPECTION REPORT NO: 86011

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-40	12/05/85	12/30/85	ESF ACTUATION
85-41	12/11/85	01/09/86	ESF ACTUATION
85-42	12/23/85	01/16/86	MISSED HOURLY INSPECTION OF INOPERABLE FIRE BARRIER
85-43	12/27/85	01/24/86	MISSED AUXILIARY BUILDING VENT SAMPLE

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: K. E. SUTTON (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:

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>102,265.0</u>
13. Hours Reactor Critical	<u>644.0</u>	<u>1,388.0</u>	<u>76,401.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>632.0</u>	<u>1,376.0</u>	<u>75,081.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,471,661</u>	<u>3,209,093</u>	<u>148,071,759</u>
18. Gross Elec Ener (MWH)	<u>496,004</u>	<u>1,084,497</u>	<u>47,224,470</u>
19. Net Elec Ener (MWH)	<u>477,426</u>	<u>1,043,791</u>	<u>45,498,151</u>
20. Unit Service Factor	<u>94.0</u>	<u>97.2</u>	<u>73.4</u>
21. Unit Avail Factor	<u>94.0</u>	<u>97.2</u>	<u>73.4</u>
22. Unit Cap Factor (MDC Net)	<u>93.0</u>	<u>96.5</u>	<u>58.2</u>
23. Unit Cap Factor (DER Net)	<u>91.3</u>	<u>94.7</u>	<u>57.2</u>
24. Unit Forced Outage Rate	<u>6.0</u>	<u>2.8</u>	<u>5.0</u>
25. Forced Outage Hours	<u>40.0</u>	<u>40.0</u>	<u>3,314.7</u>

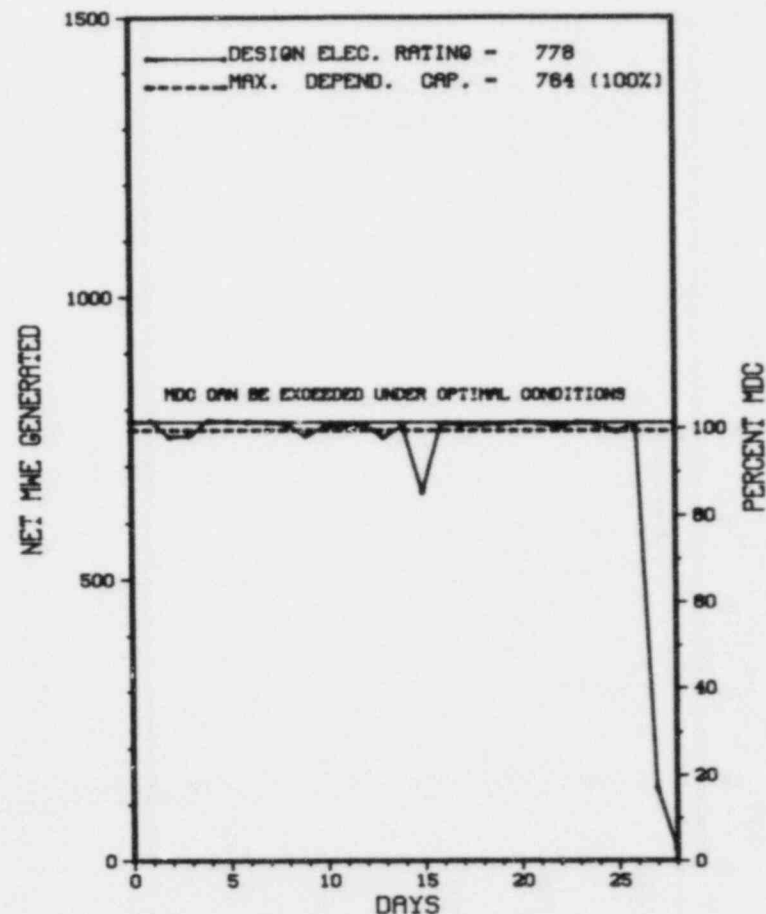
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOPER STATION



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
86-01	02/27/86	F	40.0	G	3			DURING THE PERFORMANCE OF A SPECIAL PROCEDURE TO TRANSFER OPERATION FROM TWO RF PUMPS TO A SINGLE RF PUMP, AN ERROR IN THE PROCEDURE ALLOWED A MISMATCH OF FEED PUMP FLOW AND STEAM FLOW. THIS RESULTED IN A DECREASING REACTOR WATER LEVEL AND CAUSED A LOW WATER LEVEL SCRAM.

* SUMMARY *

COOPER STATION OPERATED ROUTINELY WITH 1 OUTAGE DURING FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAH

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
CCUNCIL.....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.....W. LONG
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 NOV.18-22, 1985 (85-31) ROUTINE, UNANNOUNCED INSPECTION OF SECONDARY CONTAINMENT INTERGRITY, SURVEILLANCE OF PIPE SUPPORTS AND THE FIRE PROTECTION PROGRAM AND ITS IMPLEMENTATION. THE INSPECTION INVOLVED 46 INSPECTOR-HOURS ONSITE BY NRC INSPECTORS. WITHIN THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period FEB 1986

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

* COOPER STATION *

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

NORMAL POWER OPERATION

LAST IE SITE INSPECTION DATE: NOVEMBER 18-22, 1985

INSPECTION REPORT NO: 50-298/85-31

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
86-001	01/27/86	02/26/86	INADVERTANT RWCU TEMPERATURE SWITCH SETPOINT CHANGE

=====

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>78,600.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>23.6</u>	<u>50,325.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>23.6</u>	<u>49,114.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>55,103</u>	<u>110,523,968</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>19,541</u>	<u>37,761,185</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>18,580</u>	<u>35,863,252</u>
20. Unit Service Factor	<u>.0</u>	<u>1.7</u>	<u>62.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>1.7</u>	<u>62.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>1.6</u>	<u>55.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>1.6</u>	<u>55.3</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>98.3</u>	<u>21.6</u>
25. Forced Outage Hours	<u>672.0</u>	<u>1,392.4</u>	<u>13,553.2</u>

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

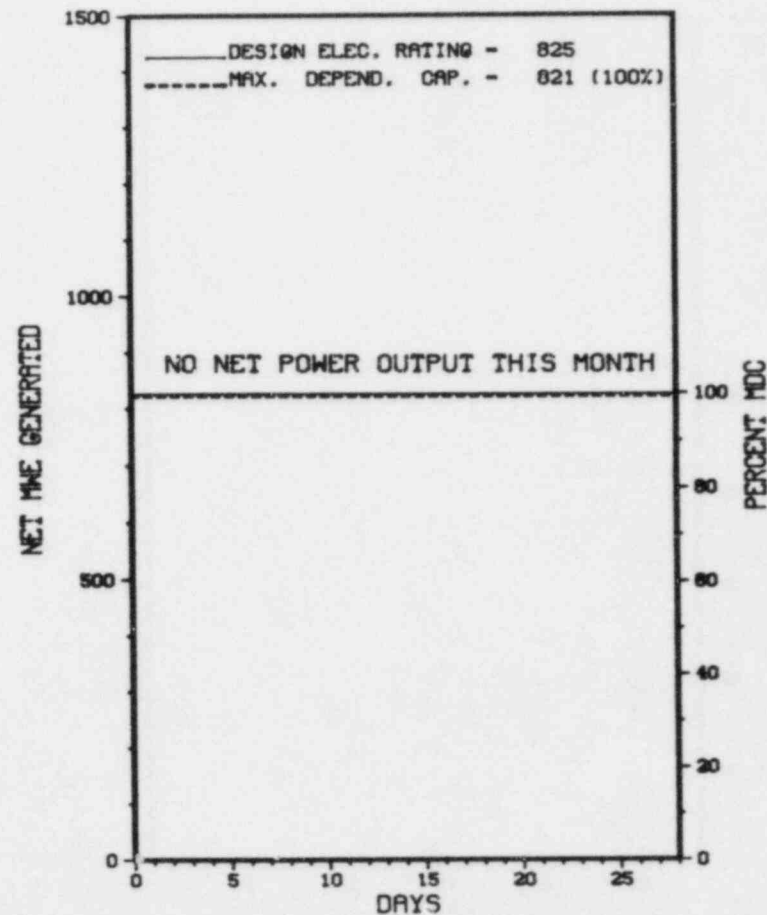
NONE

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

 * CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-01	01/01/86	F	672.0	A	4	86-01	CB	PUMPXX	THE "A" REACTOR COOLANT PUMP SHAFT IS BEING REPLACED. NONDESTRUCTIVE TESTING AND EVALUATION OF B, C, AND D PUMP SHAFTS WILL ALSO BE PERFORMED.

 * SUMMARY *

CRYSTAL RIVER 3 REMAINS SHUTDOWN FOR EQUIPMENT REPAIR.

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

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period FEB 1986

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 DECEMBER 9-13 (85-43): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, DESIGN CONTROL, AND TESTS AND EXPERIMENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 26 - JANUARY 17, 1986 (85-44): THIS ROUTINE INSPECTION INVOLVED 266 INSPECTOR-HOURS ON SITE BY TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED: FAILURE TO MAKE A ONE HOUR REPORT TO THE NRC OPERATIONS CENTER AS REQUIRED BY 10CFR 50.72; FAILURE TO ADHERE TO THE REQUIREMENTS OF A RADIATION WORK PERMIT; DEVIATION FROM A COMMITMENT TO AN NRC VIOLATION.

INSPECTION JANUARY 6-10 AND 14-16 (86-03): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 67 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSPECTOR ACTION ON PREVIOUS ENFORCEMENT MATTERS; INSPECTOR IDENTIFIED FOLLOW-UP ITEMS; REVIEW AND EVALUATION OF ISI DATA; LICENSEE ACTIONS RELATIVE TO REACTOR COOLANT PUMP "1A" SHAFT FAILURE. JANUARY 7, 1986 WAS DEDICATED TO RESPIRATOR TRAINING AND ISSUING OF APPROPRIATE PICTURE BADGE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 18 - FEBRUARY 7 (86-07): THIS ROUTINE INSPECTION INVOLVED 144 INSPECTOR-HOURS ON SITE BY TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, IE INFORMATION NOTICES (IN), COLD WEATHER PREPARATIONS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS

Report Period FEB 1986

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

* CRYSTAL RIVER 3 *

INSPECTION SUMMARY

FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. ONE VIOLATION WAS IDENTIFIED. FAILURE TO PERFORM ADEQUATE INSPECTIONS OF SAFETY-RELATED MAINTENANCE AND VERIFICATION OF REPLACEMENT PARTS AS REQUIRED BY 10CFR 50, APPENDIX B, CRITERION II.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

- + RCP 1A SHAFT SHEARED; REPLACEMENT COMPLETE.
- + RCP 1B SHAFT REPLACEMENT IN PROGRESS.
- + RCPS 1C AND 1D SHOW CRACK INDICATIONS; REPLACEMENT PLANNED.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

- + SHUTDOWN, COOLED DOWN (MODE 5) IN ORDER TO REPAIR RCP 1A/1B/1C/1D.

LAST IE SITE INSPECTION DATE: JANUARY 18 - FEBRUARY 7, 1986 +

INSPECTION REPORT NO: 50-302/86-07 +

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

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

85-023	10/26/85	11/25/85	REACTOR TRIP FOLLOWING AN INVERTER FAILURE. CAUSE - DEFECTIVE OSCILLATOR BOARD CAUSED THE LOW VOLTAGE FAILURE AND IT WAS REPLACED.
85-033	12/26/85	01/24/86	"B" CHANNEL LOW LEVEL BISTABLE FOUND TO HAVE FAILED TO THE TRIPPED CONDITION. FAILED BISTABLE REPLACED.
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>66,481.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>35,878.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,058.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</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>0</u>	<u>81,297,599</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>26,933,622</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>25,233,177</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>51.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>54.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>44.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>41.9</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>27.6</u>
25. Forced Outage Hours	<u>672.0</u>	<u>1,416.0</u>	<u>13,707.8</u>

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

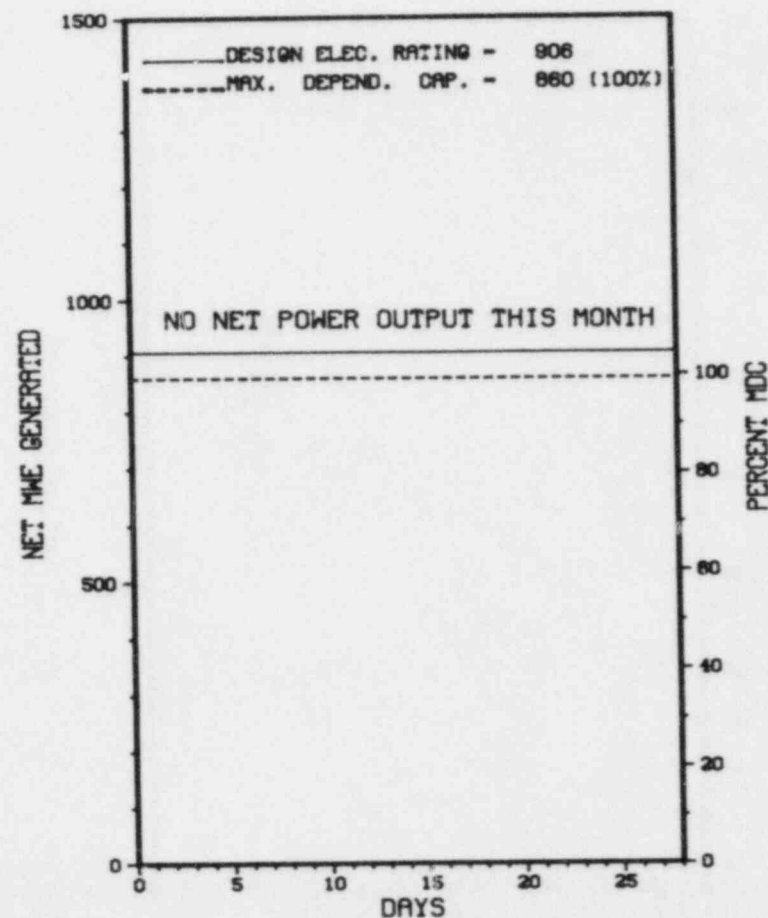
NONE

27. If Currently Shutdown Estimated Startup Date: 04/28/86

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



FEBRUARY 1986

Report Period FEB 1986

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	672.0	A	4	85-013	JK	SC	THE UNIT REMAINED SHUTDOWN FOLLOWING THE REACTOR TRIP ON JUNE 9, 1986. SEE OPERATIONAL SUMMARY FOR FURTHER DETAILS.

 * SUMMARY *

DAVIS-BESSE 1 REMAINS SHUTDOWN FOR EQUIPMENT REPAIR.

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

* DAVIS-BESSE 1 *

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

Report Period FEB 1986

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

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period FEB 1986

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

* DAVIS-BESSE 1 *

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

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

LAST IE SITE INSPECTION DATE: FEBRUARY 26 - 28, 1986

INSPECTION REPORT NO: 86011

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

85-05	12/30/85	01/29/86	IMPROPER BOOT-SEAL INSTALLATION
86-06	01/02/86	02/01/86	ENVIRONMENTAL QUALIFICATION PROGRAM NOT ADEQUATELY ESTABLISHED
86-07	01/04/86	02/01/86	CONTAINMENT AIR COOLER FAN RUNNING BACKWARD
86-02	12/10/85	01/09/86	EMERGENCY DIESEL GENERATOR AIR START SYSTEM PRESSURE INADEQUATE
86-03	12/13/85	01/16/86	ESSENTIAL 4160V BUS VOLTAGE HIGH
86-04	12/14/85	01/13/86	SAFETY FEATURES ACTUATION SYSTEM TESTING OF HIGH PRESSURE INJECTION
=====			

1. Docket: 50-275 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>7,150.3</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>6,711.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>6,623.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,102,251</u>	<u>4,526,520</u>	<u>21,091,973</u>
18. Gross Elec Ener (MWH)	<u>695,000</u>	<u>1,494,300</u>	<u>7,008,632</u>
19. Net Elec Ener (MWH)	<u>661,125</u>	<u>1,421,314</u>	<u>6,655,548</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>92.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>92.6</u>
22. Unit Cap Factor (MDC Net)	<u>91.7</u>	<u>93.5</u>	<u>86.7</u>
23. Unit Cap Factor (DER Net)	<u>90.6</u>	<u>92.4</u>	<u>85.7</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>247.4</u>

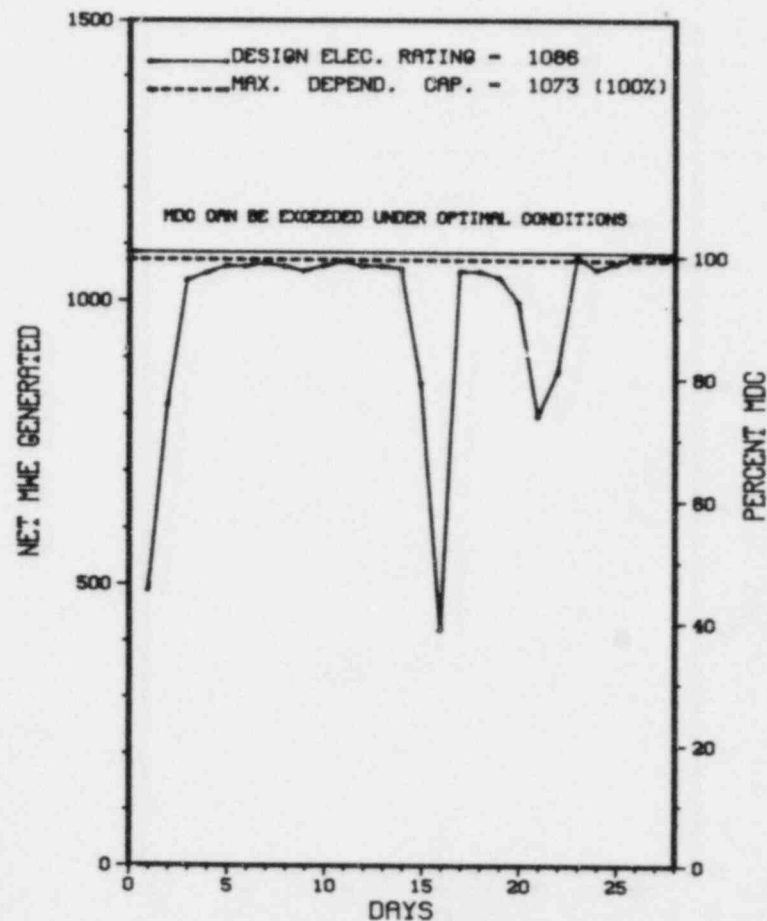
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE, 08/30/86, 68 DAYS.

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

* DIABLO CANYON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 1



FEBRUARY 1986

Report Period FEB 1986

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 DURING THE FEBRUARY REPORT MONTH.

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

* DIABLO CANYON 1 *

FACILITY DATA

Report Period FEB 1986

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 DECEMBER 30, 1985 - JANUARY 3, 1986 (REPORT NO. 50-275/85-45) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S EMERGENCY PREPAREDNESS PROGRAM INCLUDING: KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING), LICENSEE AUDITS, AND THE PUBLIC INFORMATION PROGRAM. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE THREE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS (FAILURE TO COMPLETE REQUIRED ANNUAL RETRAINING, AND FAILURE TO MAINTAIN EMERGENCY KITS.

+ INSPECTION ON FEBRUARY 24 - MARCH 7, 1986 (REPORT NO. 50-275/86-02) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 21 - FEBRUARY 3, 1986 (REPORT NO. 50-275/86-03) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LOW-LEVEL RADIOACTIVE WASTE (LLRW) STORAGE FACILITIES, AND FACILITY TOURS. THE LICENSEE'S ACTIONS WITH REGARD TO LICENSEE EVENT REPORT 85-34-L0 WERE ALSO REVIEWED. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 22 INSPECTOR-HOURS ONSITE AND 4 INSPECTOR-HOURS IN-OFFICE BY ONE REGIONALLY BASED NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JANUARY 26 - MARCH 1, 1986 (REPORT NO. 50-275/86-04) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, INDEPENDENT INSPECTION, AND FOLLOWUP OF ONSITE EVENTS.

Report Period FEB 1986

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

* DIABLO CANYON 1 *

INSPECTION SUMMARY

DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE IDENTIFIED. THE INSPECTION INVOLVED 127 INSPECTOR-HOURS ONSITE BY THREE RESIDENT NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 10-14, 1986 (REPORT NO. 50-275/86-05) AREAS INSPECTED: UNANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF INSERVICE INSPECTION PROGRAM, OPEN ITEM CONSISTING OF IE BULLETIN(S)/ NOTICES AND PART 21 REPORT(S), AND INDEPENDENT INSPECTION OF THE PLANT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 24-28, 1986 (REPORT NO. 50-275/86-06) 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:

A \$50,000 CIVIL PENALTY WAS PROPOSED BY THE NRC STAFF ON FEBRUARY 12, 1986 FOR FAILURE OF THE LICENSEE TO PROMPTLY IDENTIFY AND RESOLVE A WIRING ERROR THAT RESULTED IN ONE CHANNEL OF A MAINSTEAM ISOLATION VALVE BEING OUT OF SERVICE FOR AT LEAST FOUR MONTHS.

PLANT STATUS:

ROUTINE OPERATIONS.

LAST IE SITE INSPECTION DATE: 02/24-03/07/86

INSPECTION REPORT NO: 50-275/86-02

Report Period FEB 1986

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

* DIABLO CANYON 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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85-37-L0	10-30-35	01-07-86	MISSED SURVEILLANCE CONTAINMENT SPRAY PUMPS 1-2 & 2-2
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1. Docket: 50-323 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1164

6. Design Electrical Rating (Net MWe): 1119

7. Maximum Dependable Capacity (Gross MWe): 1145

8. Maximum Dependable Capacity (Net MWe): 1093

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>3,151.0</u>
13. Hours Reactor Critical	<u>194.5</u>	<u>439.3</u>	<u>1,800.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>134.3</u>	<u>349.3</u>	<u>1,563.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>229,168</u>	<u>786,924</u>	<u>2,903,067</u>
18. Gross Elec Ener (MWH)	<u>66,200</u>	<u>242,800</u>	<u>875,600</u>
19. Net Elec Ener (MWH)	<u>48,034</u>	<u>209,537</u>	<u>750,090</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>58.1</u>	<u>78.0</u>	<u>443.8</u>

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

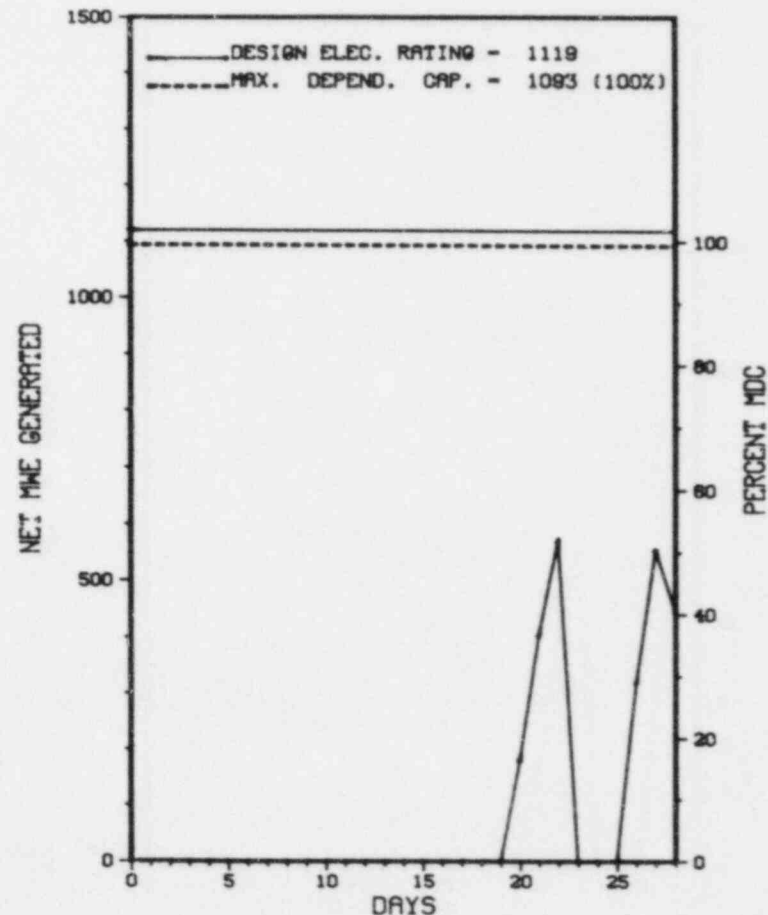
NONE

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

 * DIABLO CANYON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/13/86	S	479.6	B	4				STRAINER REMOVAL OUTAGE.
2	02/19/86	F	1.8	H	1				NINE MINUTES AFTER PARALLELING TO THE GRID, THE GENERATOR WAS SEPARATED FROM THE SYSTEM WHEN A CRACKING SOUND WAS HEARD IN THE METERING POTENTIAL TRANSFORMER CABINETS. A FUSE DRAWER WAS FOUND TO BE NOT FULLY LATCHED.
3	02/22/86	F	53.8	A	3	2-86-005	TL	RG	A VOLTAGE TRANSIENT ON THE MAIN GENERATOR VOLTAGE REGULATOR RESULTED IN A TURBINE TRIP AND SUBSEQUENT REACTOR TRIP. THE CAUSE OF THE VOLTAGE TRANSIENT IS BEING INVESTIGATED.
4	02/28/86	F	2.5	A	1		JJ		UNIT 2 WAS REMOVED FROM THE GRID TO CORRECT A TURBINE DIGITAL CONTROL PROBLEM. THE UNIT WAS SWITCHED TO A DIFFERENT ELECTRO-HYDRAULIC CONTROL MODE AND RETURNED TO THE GRID.

 * SUMMARY *

DIABLO CANYON 2 RETURNED ONLINE FEBRUARY 20TH AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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)

* DIABLO CANYON 2 *

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

Report Period FEB 1986

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...AUGUST 19, 1985
DATE ELEC ENER 1ST GENER...OCTOBER 20, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & 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. MENDOUCA
LICENSING PROJ MANAGER.....H. SCHIERLING
DOCKET NUMBER.....50-323
LICENSE & DATE ISSUANCE...DPR-81, AUGUST 26, 1985
PUBLIC DOCUMENT ROOM.....ROBERT F. KENNEDY LIBRARY
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA. 93407

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

INSPECTION SUMMARY

- + INSPECTION ON MARCH 3-7, 1986 (REPORT NO. 50-323/86-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MARCH 3-7, 1986 (REPORT NO. 50-323/86-09) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MARCH 2 - APRIL 5, 1986 (REPORT NO. 50-323/86-10) INSPECTION CONTINUING; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

Report Period FEB 1986

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

* DIABLO CANYON 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

+ NONE

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: 03/02-04/05/86+

INSPECTION REPORT NO: 50-323/86-10+

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

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

NONE

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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: _____

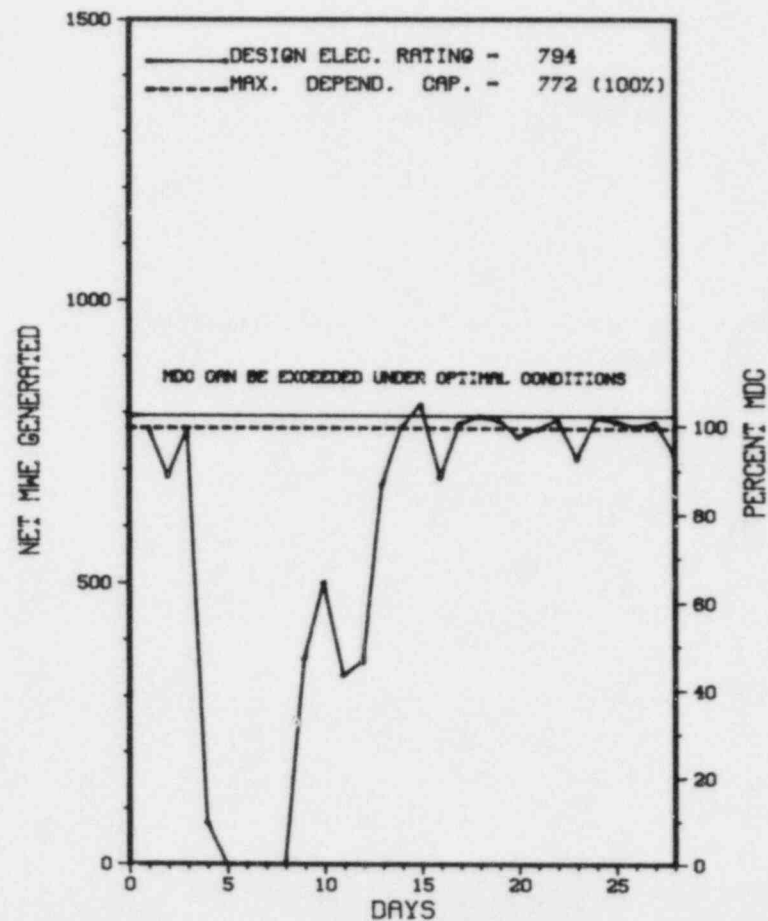
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>138,480.0</u>
13. Hours Reactor Critical	<u>620.3</u>	<u>1,323.1</u>	<u>105,021.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>555.2</u>	<u>1,123.2</u>	<u>100,108.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,234,874</u>	<u>2,584,205</u>	<u>204,260,804</u>
18. Gross Elec Ener (MWH)	<u>402,699</u>	<u>842,418</u>	<u>65,325,594</u>
19. Net Elec Ener (MWH)	<u>383,663</u>	<u>802,260</u>	<u>61,747,552</u>
20. Unit Service Factor	<u>82.6</u>	<u>79.3</u>	<u>72.3</u>
21. Unit Avail Factor	<u>82.6</u>	<u>79.3</u>	<u>72.3</u>
22. Unit Cap Factor (MDC Net)	<u>74.0</u>	<u>73.4</u>	<u>57.8</u>
23. Unit Cap Factor (DER Net)	<u>71.9</u>	<u>71.4</u>	<u>56.2</u>
24. Unit Forced Outage Rate	<u>17.4</u>	<u>20.7</u>	<u>11.7</u>
25. Forced Outage Hours	<u>116.8</u>	<u>292.8</u>	<u>5,739.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>MID-MAY FOR A WEEKEND SNUBBER INSPECTION.</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * D R E S D E N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * DRESDEN 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/04/86	F	116.8	A	1	86-005-0			STEAM LEAK IN X-AREA DRAIN LINE. DURING SUBSEQUENT START-UP REACTOR SCRAMMED WHILE MOVING MODE SWITCH FROM REFUEL TO START-UP (RX AT 0 MWT).

 * SUMMARY *

DRESDEN 2 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

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

* DRESDEN 2 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF NOVEMBER 1 THROUGH JANUARY 7 (85035): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PREVIOUS FINDINGS, OPERATIONAL SAFETY, MAINTENANCE/MODIFICATIONS, SURVEILLANCES, EVENTS, LICENSEE EVENT REPORTS, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 458 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS INCLUDING 59 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION ON DECEMBER 16-19 (85037): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE DRESDEN STATION'S EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; EMERGENCY PLAN ACTIVATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND MAINTENANCE OF EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OF NRC REQUIREMENTS AND NO DEVIATIONS FROM COMMITMENTS TO THE NRC WERE IDENTIFIED DURING THIS INSPECTION. HOWEVER, ONE UNRESOLVED ITEM IS IDENTIFIED IN THE TEXT OF THIS REPORT.

INSPECTION ON DECEMBER 2-6 AND 16-19 (85040): THIS SPECIAL, ANNOUNCED ASSESSMENT BY TWO REGIONAL INSPECTORS OF MAINTENANCE ACTIVITIES INVOLVED A TOTAL OF 77 INSPECTOR-HOURS ONSITE. IT WAS CONDUCTED WITHIN THE GUIDELINES ESTABLISHED BY NRC INSPECTION PROCEDURES NO. 30730, NO. 62700, NO. 762702 AND NO. 92706. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period FEB 1986

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

* D R E S D E N 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 14 - APRIL 14, 1986

INSPECTION REPORT NO: 86004

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

85-43	12/05/85	01/03/86	LOSS OF POWER TO THE 125V DC RESERVE BUS DUE TO PROCEDURAL INADEQUACY
85-44	12/13/85	01/10/86	UNIT 2 AND 2/3 DIESEL GENERATORS (D/G) INOPERABLE DUE TO DAMAGED POWER CABLE OF THE 2/3 D/G COOLING WATER PUMP AND SUBSEQUENT FAILURE OF UNIT 2 D/G TURBO-CHARGER WHILE TESTING
=====			

OPERATING STATUS

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (MWt)	<u>2527</u>
---------------------------------	-------------

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	672.0	1,416.0	128,065.0

13. Hours Reactor Critical	.0	.0	93,442.9
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14. Rx Reserve Shtdwn Hrs .0 .0 .0

15. Hrs Generator On-Line	.0	.0	89,794.8
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16. Unit Reserve Shtdwn Hrs .0 .0 .0

17. Gross Therm Ener (MWH)	0	0	181,765,542
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18. Gross Elec Ener (MWH)	0	0	58,821,103
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19. Net Elec Ener (MWH)	-4,205	-9,934	55,716,359
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20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>70.1</u>
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21. Unit Avail Factor .0 .0 70.1

22. Unit Cap Factor (MDC Net) .0 .0 56.3

23. Unit Cap Factor (DER Net) .0 .0 4.8

24. Unit Forced Outage Rate .0 .0 12.2

25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>7,365.0</u>
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26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

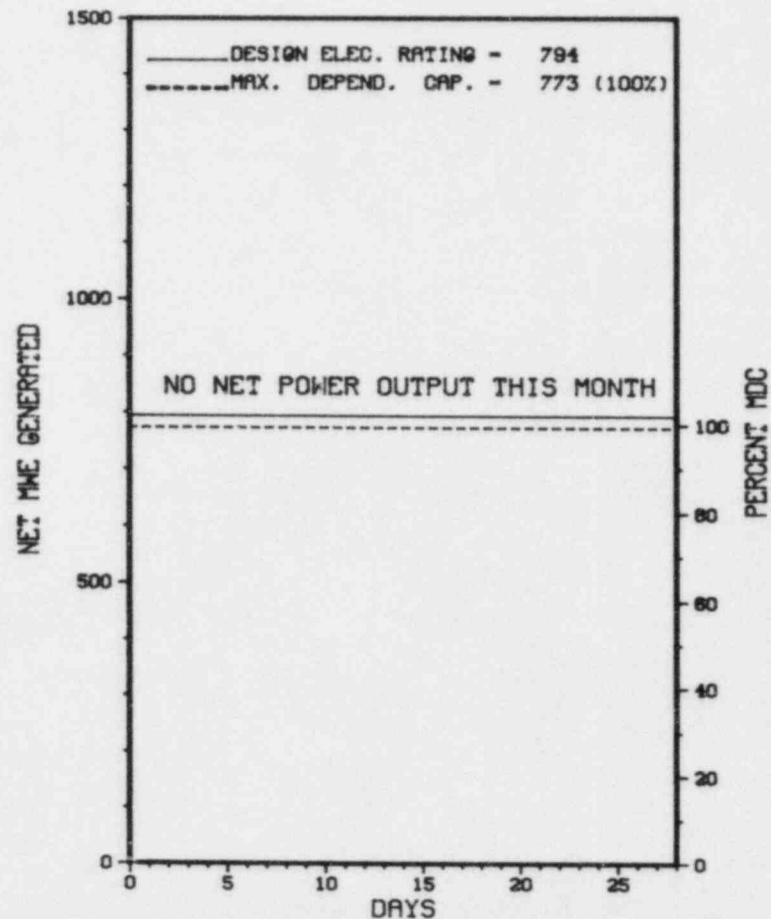
NONE

27. If Currently Shutdown Estimated Start up Date: 06/04/86

* DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	10/28/85	S	6/2.0	C	4		RC	FUELXX	OFF-LINE MANUALLY TO 9TH REFUELING/RECIRCULATION PIPE REPLACEMENT OUTAGE.

* SUMMARY *

DRESDEN 3 REMAINS SHUTDOWN FOR REFUELING.

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

* DRESDEN 3 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF NOVEMBER 1 THROUGH JANUARY 7 (85030): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PREVIOUS FINDINGS, OPERATIONAL SAFETY, MAINTENANCE/MODIFICATIONS, SURVEILLANCES, EVENTS, LICENSEE EVENT REPORTS, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 458 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS INCLUDING 59 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION ON DECEMBER 16-19 (85033): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE DRESDEN STATION'S EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; EMERGENCY PLAN ACTIVATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND MAINTENANCE OF EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OF NRC REQUIREMENTS AND NO DEVIATIONS FROM COMMITMENTS TO THE NRC WERE IDENTIFIED DURING THIS INSPECTION. HOWEVER, ONE UNRESOLVED ITEM IS IDENTIFIED IN THE TEXT OF THIS REPORT.

INSPECTION ON DECEMBER 2-6 AND 16-19 (85038): THIS SPECIAL, ANNOUNCED ASSESSMENT BY TWO REGIONAL INSPECTORS OF MAINTENANCE ACTIVITIES INVOLVED A TOTAL OF 77 INSPECTOR-HOURS ONSITE. IT WAS CONDUCTED WITHIN THE GUIDELINES ESTABLISHED BY NRC INSPECTION PROCEDURES NO. 30730, NO. 62700, NO. 762702 AND NO. 92706. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period FEB 1986

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

* D R E S D E N 3 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUT DOWN FOR MAJOR PIPING REPLACEMENT ON OCTOBER 27, 1985.

LAST IE SITE INSPECTION DATE: JANUARY 28 - FEBRUARY 7, 1986

INSPECTION REPORT NO: 86006

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	12/31/85	01/29/86	REACTOR BUILDING VENTILATION SYSTEM ISOLATION AND AUTOMATIC INITIATION OF STANDBY GAS TREATMENT SYSTEM CAUSED BY A VIBRATED LEVEL INDICATOR
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>97,104.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>68,711.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>130.3</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>66,975.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>831,031</u>	<u>1,683,221</u>	<u>84,289,424</u>
18. Gross Elec Ener (MWH)	<u>284,746</u>	<u>575,958</u>	<u>28,232,019</u>
19. Net Elec Ener (MWH)	<u>267,442</u>	<u>540,272</u>	<u>26,434,690</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>69.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>77.3</u>	<u>74.1</u>	<u>52.9</u>
23. Unit Cap Factor (DER Net)	<u>74.0</u>	<u>70.9</u>	<u>50.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.7</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):

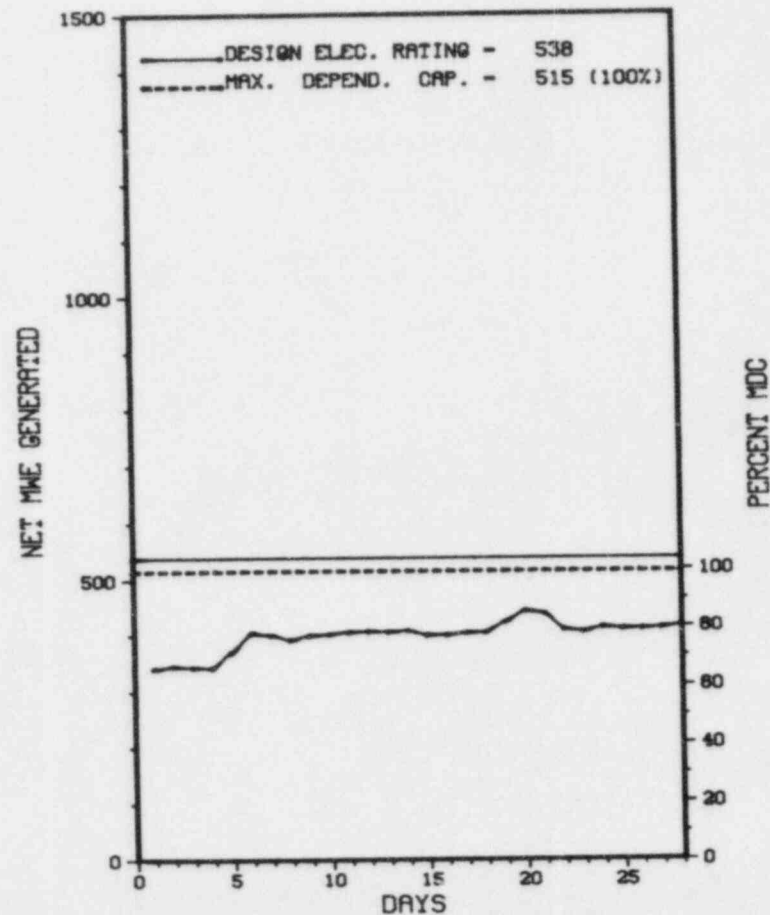
SURV TESTING & INSPECTION: 03/14/86, 2 WEEKS.

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

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



FEBRUARY 1986

Report Period FEB 1986

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 THE FEBRUARY REPORT PERIOD.

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

* DUANE ARNOLD *

FACILITY DATA

Report Period FEB 1986

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

INSPECTION STATUS

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period FEB 1986

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

* DUANE ARNOLD *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: FEBRUARY 24 - 28, 1986

INSPECTION REPORT NO: 86005

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

85-47	12/01/85	12/31/85	SPURIOUS ACTUATIONS OF CONTROL ROOM STANDBY FILTER UNIT
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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): 873

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

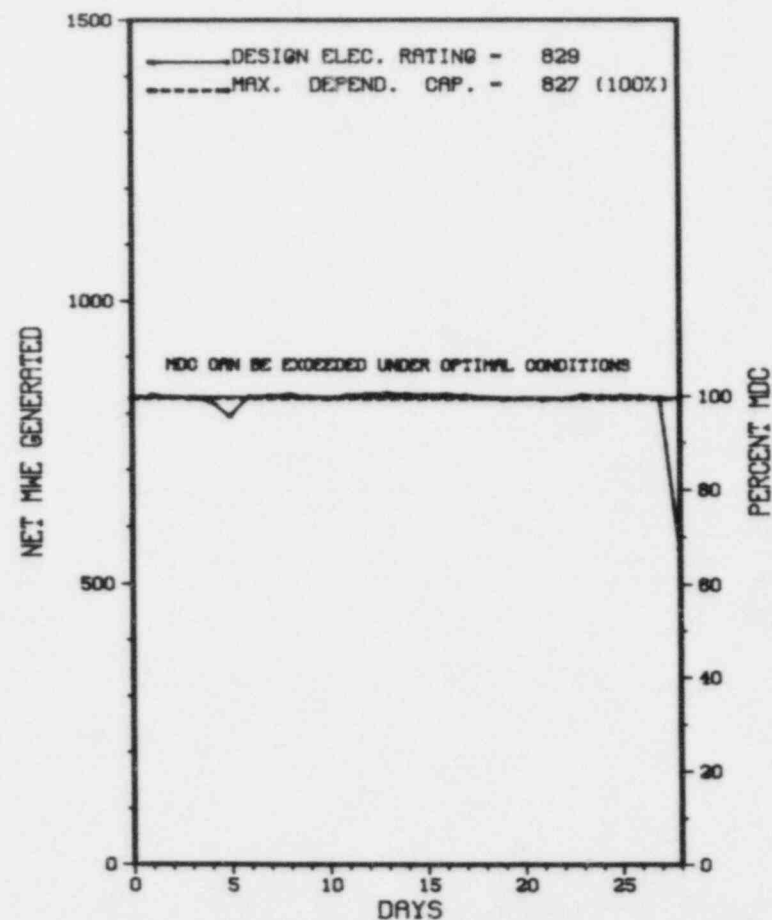
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>72,288.0</u>
13. Hours Reactor Critical	<u>664.4</u>	<u>1,408.4</u>	<u>51,041.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>664.4</u>	<u>1,408.4</u>	<u>49,814.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,741,224</u>	<u>3,618,933</u>	<u>126,490,473</u>
18. Gross Elec Ener (MWH)	<u>579,440</u>	<u>1,203,928</u>	<u>40,406,112</u>
19. Net Elec Ener (MWH)	<u>550,396</u>	<u>1,142,470</u>	<u>38,140,188</u>
20. Unit Service Factor	<u>98.9</u>	<u>99.5</u>	<u>68.9</u>
21. Unit Avail Factor	<u>98.9</u>	<u>99.5</u>	<u>68.9</u>
22. Unit Cap Factor (MDC Net)	<u>99.0</u>	<u>97.6</u>	<u>65.9*</u>
23. Unit Cap Factor (DER Net)	<u>98.8</u>	<u>97.3</u>	<u>63.6</u>
24. Unit Forced Outage Rate	<u>1.1</u>	<u>.5</u>	<u>11.4</u>
25. Forced Outage Hours	<u>7.6</u>	<u>7.6</u>	<u>6,390.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 03/02/86

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
001	02/28/86	F	7.6	A	3	86-004-00	AA	PEN	A REACTOR TRIP OCCURRED AS A RESULT OF A DROPPED CONTROL ROD. A SHORT EXISTED IN THE CONTAINMENT ELECTRICAL PENETRATION FOR THE CONTROL ROD STATIONARY AND MOVABLE GRIPPERS AND CAUSED THE CONTROL ROD TO DROP.

* SUMMARY *

FARLEY 1 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

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

* FARLEY 1 *

FACILITY DATA

Report Period FEB 1986

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 21-24 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 13-17 (86-02); THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS IN THE AREA OF RADIATION PROTECTION INCLUDING EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; TRAINING AND QUALIFICATIONS OF PERSONNEL; RADIOACTIVE MATERIALS CONTROL, POSTING AND LABELING; AND PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* FARLEY 1 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-348/86-01 +

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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NONE.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 872

8. Maximum Dependable Capacity (Net MWe): 829

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>40,201.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,386.2</u>	<u>35,186.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,378.5</u>	<u>34,770.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,755,415</u>	<u>3,553,653</u>	<u>89,397,051</u>
18. Gross Elec Ener (MWH)	<u>584,936</u>	<u>1,187,366</u>	<u>28,909,976</u>
19. Net Elec Ener (MWH)	<u>557,696</u>	<u>1,130,226</u>	<u>27,419,466</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.4</u>	<u>86.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.4</u>	<u>86.5</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>96.3</u>	<u>82.3</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>96.3</u>	<u>82.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.6</u>	<u>4.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>37.5</u>	<u>1,724.3</u>

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

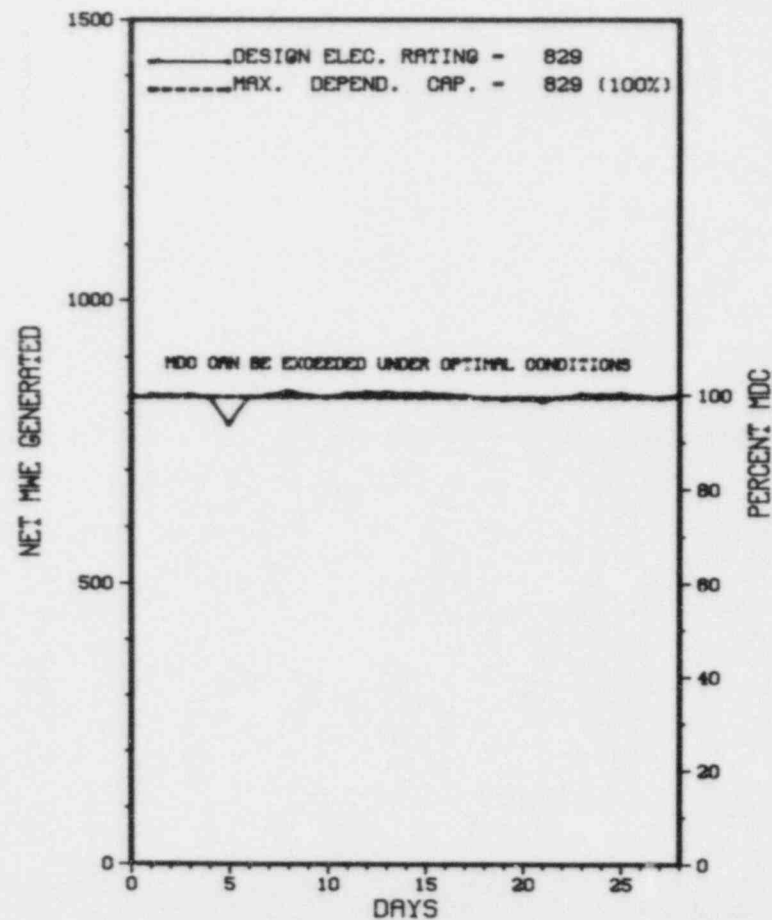
REFUELING/MAINT. OUTAGE, 4/4/86 APPROX. 5 WEEKS.

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

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

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

* SUMMARY *

FARLEY 2 OPERATED AT FULL POWER IN FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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 JANUARY 21-24 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 13-17 (86-02); THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS IN THE AREA OF RADIATION PROTECTION INCLUDING EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; TRAINING AND QUALIFICATIONS OF PERSONNEL; RADIOACTIVE MATERIALS CONTROL, POSTING AND LABELING; AND PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period FEB 1986

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

* FARLEY 2 *

OTHER ITEMS

LICENSEE CONTINUES TENDON FIELD ANCHORS INSPECTION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-364/86-01 +

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

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

NONE.			
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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): 816

7. Maximum Dependable Capacity (Gross MWe): 823

8. Maximum Dependable Capacity (Net MWe): 796

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>92,857.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>66,831.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>64,942.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,632,264</u>	<u>3,427,560</u>	<u>139,140,274</u>
18. Gross Elec Ener (MWH)	<u>558,490</u>	<u>1,172,770</u>	<u>47,204,110</u>
19. Net Elec Ener (MWH)	<u>539,705</u>	<u>1,132,565</u>	<u>45,697,090</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>69.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>100.9</u>	<u>99.6</u>	<u>63.6*</u>
23. Unit Cap Factor (DER Net)	<u>98.4</u>	<u>97.7</u>	<u>60.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>9,846.0</u>

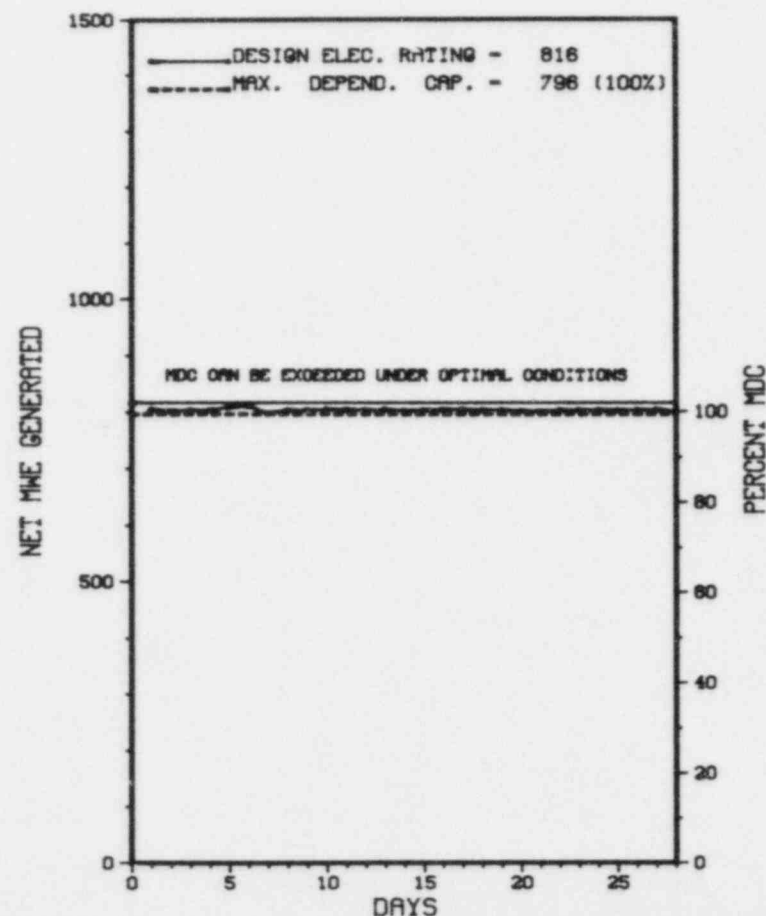
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINT. OUTAGE: 03/13, APPROX. 2 WEEKS.

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

 * FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



FEBRUARY 1986

* Item calculated with a Weighted Average

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Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

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

* SUMMARY *

THE FITZPATRICK PLANT OPERATED AT NEAR FULL 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 FEB 1986

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.....NEW YORK POWER AUTHORITY
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

TECHNICAL SPECIFICATION 6.8(A) REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5 "FACILITY ADMINISTRATIVE POLICIES AND PROCEDURES" OF ANSI 18.7-1972. WORK ACTIVITY CONTROL PROCEDURE 10.1.1, PROCEDURE FOR CONTROL OF MAINTENANCE, REVISION 9, DATED SEPTEMBER 28, 1984, SECTION 7.2.1 REQUIRES THE USE OF A WORK TRACKING FORM TO TRACK AND CONTROL CORRECTIVE MAINTENANCE FOR CATEGORY I SYSTEMS. WORK ACTIVITY CONTROL PROCEDURE 10.1.2, EQUIPMENT AND PERSONNEL PROTECTIVE TAGGING, REVISION 8, DATED SEPTEMBER 25, 1985, REQUIRES, IN SECTION 6.18, REMOVAL OF REFERENCE TAGS FROM CONTROL SWITCHES WHEN THE TAGOUT IS RELEASED AND, IN SECTION 7.1.3.D, AN INDEPENDENT VERIFICATION OF THE REMOVAL OF THE TAGS AND REPOSITION OF EACH DEVICE. CONTRARY TO THE ABOVE, ON NOVEMBER 6, 1985, THE FILTERS WERE REPLACED FOR THE AIR HANDLING UNITS (AHU) (CATEGORY I) OF THE 125 STATION BATTERY VENTILATION SYSTEM WITHOUT A WORK TRACKING FORM, AND THE REMOVAL OF PROTECTIVE TAGOUT NO. 851701 ON NOVEMBER 7, 1985, WAS NOT PROPERLY CONTROLLED, LEAVING THE CONTROL SWITCHES FOR THE "B" AHU TAGGED IN THE PULL-TO-LOCK POSITION.
(8502 4)

INSPECTION STATUS - (CONTINUED)

 * FITZPATRICK *

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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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: 02/01/86 Outage + On-line Hrs: 672.0

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):

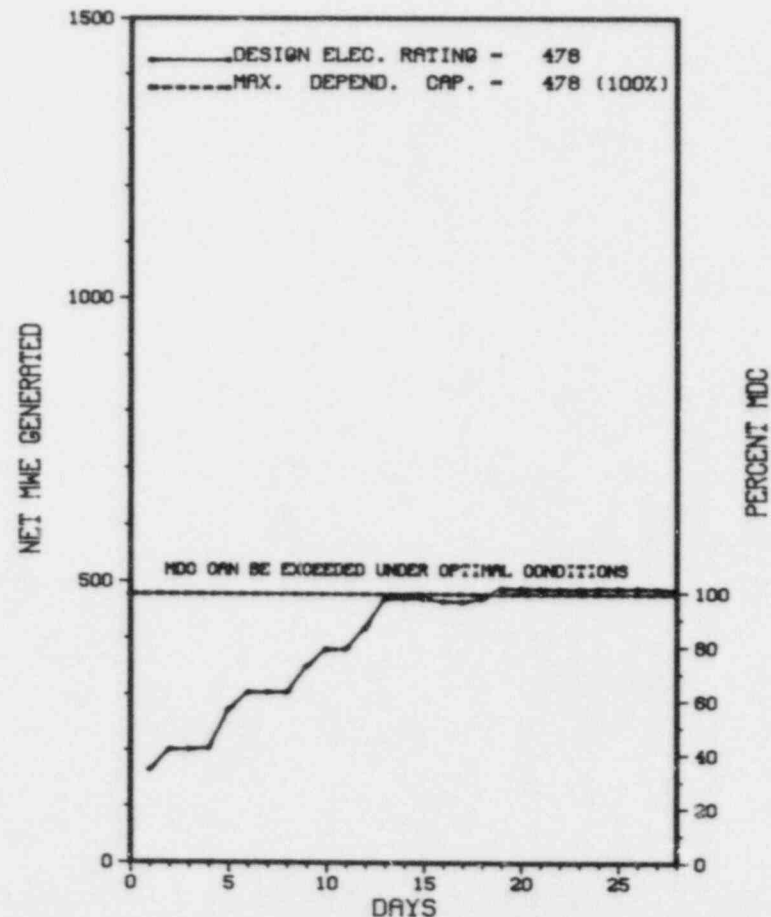
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>108,961.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,220.5</u>	<u>83,686.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,044.7</u>	<u>82,117.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>838,106</u>	<u>1,012,615</u>	<u>104,763,660</u>
18. Gross Elec Ener (MWH)	<u>279,965</u>	<u>330,933</u>	<u>34,627,357</u>
19. Net Elec Ener (MWH)	<u>268,313</u>	<u>313,861</u>	<u>32,791,746</u>
20. Unit Service Factor	<u>100.0</u>	<u>73.8</u>	<u>75.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>73.8</u>	<u>75.4</u>
22. Unit Cap Factor (MDC Net)	<u>83.5</u>	<u>46.4</u>	<u>65.3*</u>
23. Unit Cap Factor (DER Net)	<u>83.5</u>	<u>46.4</u>	<u>63.0</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):	<u>NONE</u>		

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT CALHOUN 1



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

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

* SUMMARY *

FORT CALHOUN OPERATED ROUTINELY DURING FEBRUARY.

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

Report Period FEB 1986

UTILITY & CONTRACTOR INFORMATION

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
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
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REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....P. HARRELL
LICENSING PROJ MANAGER.....D. SELLS
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 SEPTEMBER 1-30, 1985 (85-21) ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE TESTING, AND ALLEGATION FOLLOWUP. WITHIN THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JANUARY 1-31, 1986 (86-02) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, PLANT TOURS, SAFETY-RELATED SYSTEM WALKDOWNS, FOLLOWUP ON IE BULLETIN 79-01B, FOLLOWUP ON A REGIONAL REQUEST FOR REPORT ON LIMITORQUE VALVES, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, COLD WEATHER PREPARATIONS, AND PLANT STARTUP FROM REFUELING. WITHIN THE 11 AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 10 CFR 50.47(B)(15) AND 10 CFR 50.54(G) AND (S)(II), THREE OPERATING SHIFTS OF THE LICENSEE'S STAFF WERE INADEQUATELY TRAINED SUCH THAT THEY COULD DEMONSTRATE THE ABILITY TO PERFORM 15 MINUTE NOTIFICATIONS OF STATE AND LOCAL AUTHORITIES. CONTRARY TO THE REQUIREMENTS OF 10 CFR 50.47(B)(15), THE LICENSEE WAS NOT PROVIDING ADEQUATE RADIOLOGICAL EMERGENCY TRAINING AS EVIDENCED BY: (1) HP TECHNICIANS WERE UNABLE TO PERFORM EP TASK(2) SHIFT PERSONNEL WERE UNABLE TO DETERMINE POPULATION SECTORS AFFECTED BY THE PLUME (3) NO TRAINING REQUIREMENTS BASTED FOR STA'S AND SRO'S (NOT SHIFT SUPERVISORS) (4) EMERGENCY ASSIGNMENTS WERE MADE TO UNQUALIFIED & UNTRAINED PERSONNEL (5) INADEQUATE TESTS WERE GIVEN TO EP TRAINEES. CONTRARY TO THE REQUIREMENTS OF 10 CFR 50.54(A), THE LICENSEE FAILED TO PERFORM ADEQUATE AUDITS.

INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X      FORT CALHOUN 1      X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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(8501 4)

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JANUARY 1-31, 1986

INSPECTION REPORT NO: 50-285/86-02

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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): 115

11. Reasons for Restrictions, If Any: _____

ENVIRONMENTAL QUALIFICATION

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>58,441.0</u>
13. Hours Reactor Critical	<u>346.5</u>	<u>346.5</u>	<u>28,382.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>18,463.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,974</u>	<u>1,974</u>	<u>9,745,141</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>3,248,888</u>
19. Net Elec Ener (MWH)	<u>-2,988</u>	<u>-6,019</u>	<u>2,890,027</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>31.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>31.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>15.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>15.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>58.9</u>
25. Forced Outage Hours	<u>672.0</u>	<u>1,416.0</u>	<u>26,505.5</u>

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

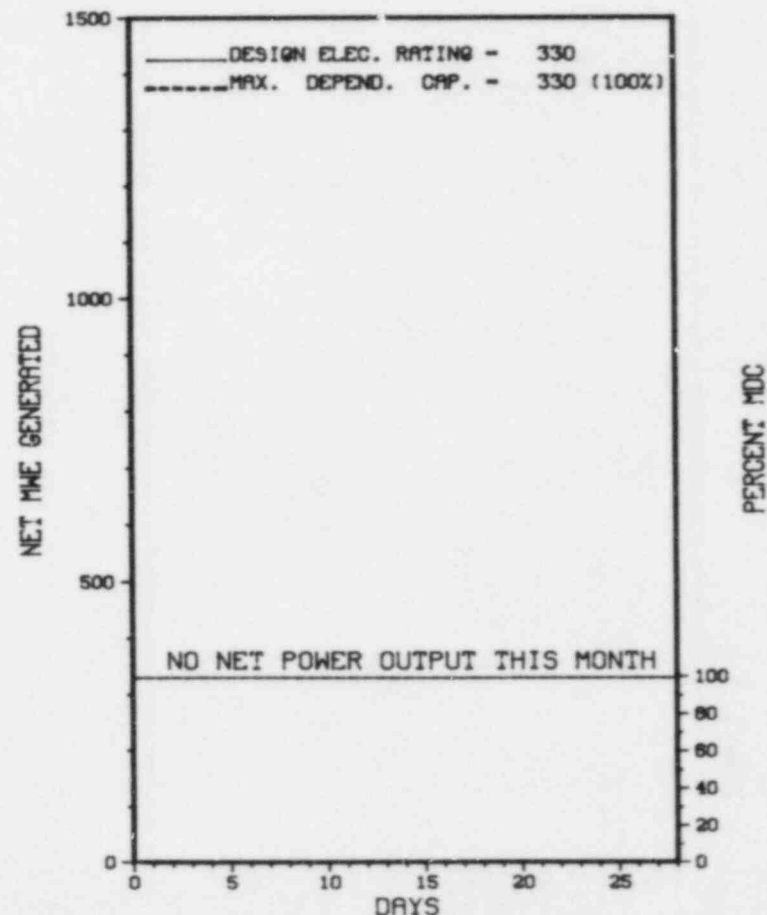
NONE

27. If Currently Shutdown Estimated Startup Date: 10/16/86

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-003	11/08/85	F	672.0	D	4		ZZ	ZZZZZZ	ENVIRONMENTAL QUALIFICATION. AN ADDITIONAL, INADVERTENTLY LEFT CLOSED VALVE LINEUP PERFORMED.

* SUMMARY *

FORT ST. VRAIN REMAINS SHUTDOWN FOR ENVIRONMENTAL QUALIFICATION.

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

* FORT ST VRAIN *

FACILITY DATA

Report Period FEB 1986

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 1, 1976
DATE COMMERCIAL OPERATE...JULY 1, 1979
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...S. PLATTE RIVER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO
CORPORATE ADDRESS.....P.O. BOX 840
DENVER, COLORADO 80201
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....R. FARRELL
LICENSING PROJ MANAGER.....K. HEITNER
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 APRIL 15-29; JULY 17-19, AND OCT.22-25, 1985 (85-13) SPECIAL, UNANNOUNCED INSPECTIONS INVOLVING THE REVIEW OF THE CORROSION PHENOMENON OCCURRING IN THE PRESTRESSED CONCRETE REACTOR VESSEL (PCRV), POST-TENSIONING TENDON WIRES; EXTENT OF PCRV TENDON DEGRADATION: PROPOSED MONITORING AND SURVEILLANCE PROGRAM; AND CORRECTIVE MEASURES BEING PROPOSED AND/OR INITIATED. WITHIN THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JANUARY 6-10, 1986 (86-01) ROUTINE, UNANNOUNCED INSPECTION OF NONLICENSED OPERATOR TRAINING, FIRE PREVENTION/PROTECTION PROGRAM IMPLEMENTATION, FOLLOWUP TO NRC INSPECTION REPORT 85-26, AND FOLLOWUP TO NRC REVIEW OF REVISION 3 TO FSAR. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JANUARY 13-23, 1986 (86-04) SPECIAL, ANNOUNCED INSPECTION OF FT. ST VRAIN GENERATING STATION HIGH-ENERGY PIPING SYSTEMS. WITHIN THE AREA INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period FEB 1986

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

* FORT ST VRAIN *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT OPERATING AT 1.2% POWER

LAST IE SITE INSPECTION DATE: JANUARY 12-23, 1986

INSPECTION REPORT NO: 50-267/86-04

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

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

86-01	1/5/86	2/2/86	"C" CIRCULATOR TRIP ON BUFFER-MID-BUFFER
86-02	1/5/86	2/4/86	"C" HELIUM CIRCULATOR TRIP ON BUFFER-MID-BUFFER LOW
86-03	1/13/86	2/12/86	"C" CIRCULATOR TRIP ON BUFFER-MID-BUFFER
86-07	1/23/86	2/22/86	"A" CIRCULATOR TRIP DURING IN-SERVICE LEAK TEST
86-08	1/21/86	2/23/86	INOPERABLE MECHANICAL SNUBBERS
86-09	1/25/86	2/22/86	OPERATION IN VIOLATION OF LCO 4.4.1
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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):

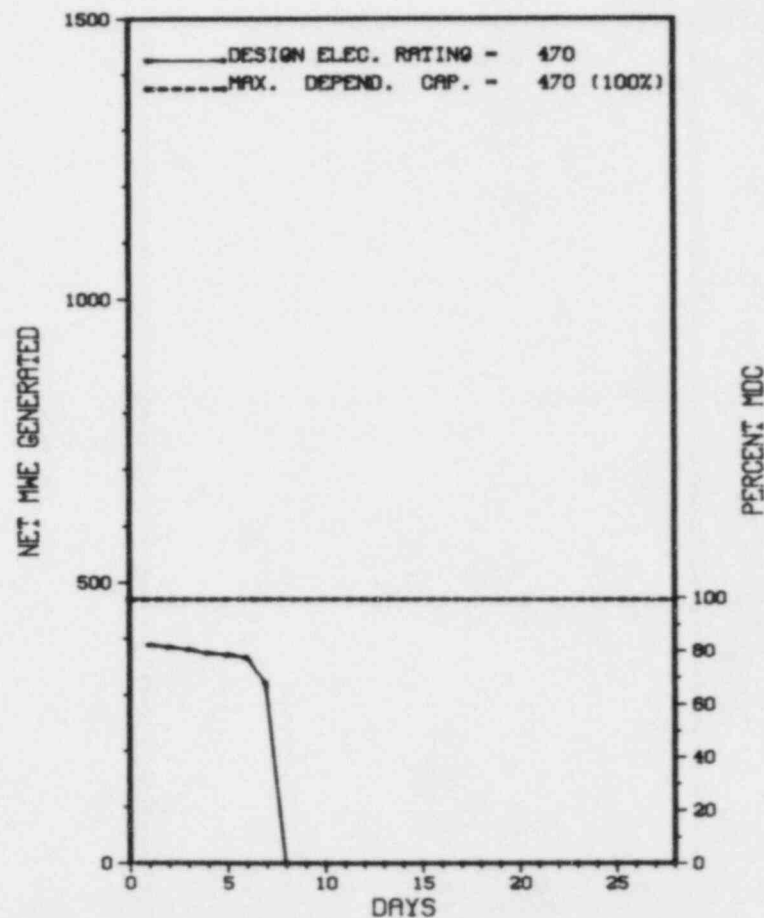
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>142,536.0</u>
13. Hours Reactor Critical	<u>168.0</u>	<u>912.0</u>	<u>109,198.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>168.0</u>	<u>912.0</u>	<u>106,905.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>198,456</u>	<u>1,255,128</u>	<u>148,977,353</u>
18. Gross Elec Ener (MWH)	<u>66,043</u>	<u>420,288</u>	<u>48,731,145</u>
19. Net Elec Ener (MWH)	<u>62,064</u>	<u>398,170</u>	<u>46,201,488</u>
20. Unit Service Factor	<u>25.0</u>	<u>64.4</u>	<u>75.0</u>
21. Unit Avail Factor	<u>25.0</u>	<u>64.4</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>19.7</u>	<u>59.8</u>	<u>70.6*</u>
23. Unit Cap Factor (DER Net)	<u>19.7</u>	<u>59.8</u>	<u>70.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,243.8</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>06/04/86</u>		

 * GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 GINNA



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * GINNA *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/07/86	S	504.0	C	1		RC	FUELXX	ANNUAL REFUELING AND MAINTENANCE. SPLIT PIN MODIFICATIONS, CONTAINMENT INTEGRATED LEAK RATE TEST.

 * SUMMARY *

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

* GINNA *

FACILITY DATA

Report Period FEB 1986

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.....M. FAIRTILE
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

INSPECTION STATUS

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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): 700

11. Reasons for Restrictions, If Any:

ECONOMIC & LOAD DISPATCH CONSIDERATIONS.

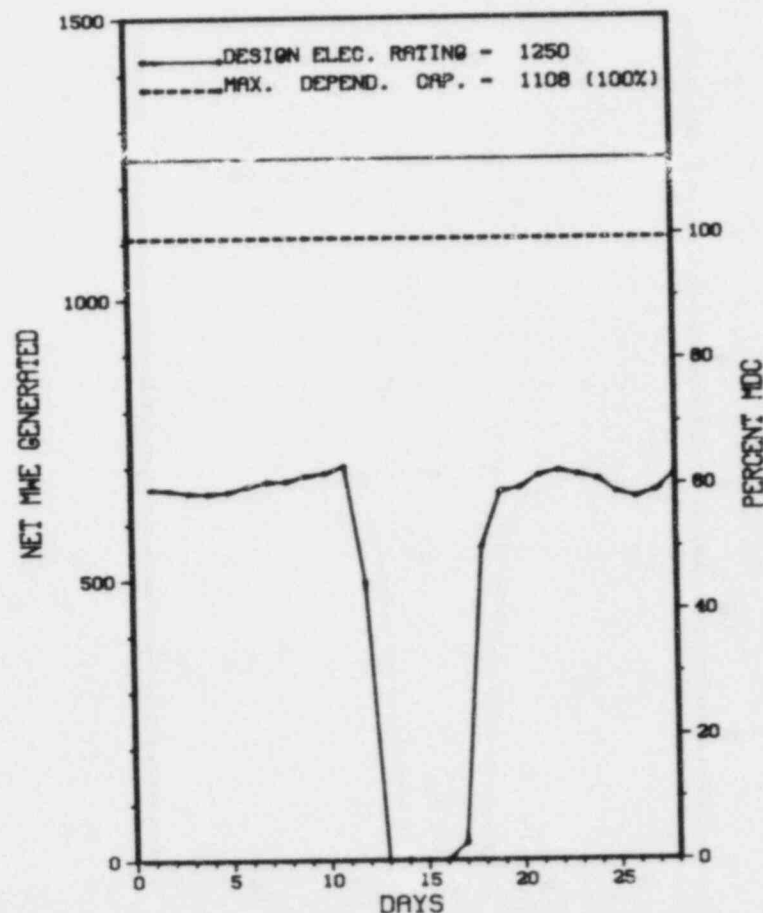
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>5,833.0</u>
13. Hours Reactor Critical	<u>577.2</u>	<u>1,288.8</u>	<u>4,172.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>554.7</u>	<u>1,236.3</u>	<u>3,928.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,278,605</u>	<u>3,069,245</u>	<u>12,150,076</u>
18. Gross Elec Ener (MWH)	<u>386,430</u>	<u>934,850</u>	<u>3,727,740</u>
19. Net Elec Ener (MWH)	<u>361,898</u>	<u>881,512</u>	<u>3,535,661</u>
20. Unit Service Factor	<u>82.5</u>	<u>87.3</u>	<u>77.4</u>
21. Unit Avail Factor	<u>82.5</u>	<u>87.3</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>48.6</u>	<u>56.2</u>	<u>54.7</u>
23. Unit Cap Factor (DER Net)	<u>43.1</u>	<u>49.8</u>	<u>48.5</u>
24. Unit Forced Outage Rate	<u>17.5</u>	<u>12.7</u>	<u>11.1</u>
25. Forced Outage Hours	<u>117.3</u>	<u>179.7</u>	<u>489.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-04	02/12/86	F	117.3	H	3	86-004	AD	SEAL	A SEAL ON REACTOR RECIRCULATION PUMP "B" FAILED CAUSING THE REACTOR COOLANT LEAKAGE TO EXCEED TECHNICAL SPECIFICATION LIMITS. DURING PLANT SHUTDOWN, THE "B" REACTOR FEEDWATER PUMP TRIPPED DUE TO LOW SUCTION FLOW CAUSING A LOW WATER LEVEL REACTOR SCRAM.

 * SUMMARY *

GRAND GULF 1 OPERATED WITH 1 OUTAGE DURING THE FEBRUARY 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)

* GRAND GULF 1 *

FACILITY DATA

Report Period FEB 1986

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 DECEMBER 21 - JANUARY 17, 1986 (85-46): THIS ROUTINE INSPECTION ENTAILED 177 RESIDENT INSPECTOR-HOURS AT THE SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, COLD WEATHER PREPARATIONS, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, AND INSPECTOR FOLLOWUP AND UNRESOLVED ITEMS. VIOLATION - THREE EXAMPLES OF FAILURE TO FOLLOW PROCEDURES FOR PLACING SHUTDOWN COOLING IN EFFECT, TO MAINTAIN REACTOR VESSEL WATER LEVEL AND FEEDWATER PUMP DISCHARGE PRESSURE AS REQUIRED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* GRAND GULF 1 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: DECEMBER 21, 1985 - JANUARY 17, 1986 +

INSPECTION REPORT NO: 50-416/85-46 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-041	10/31/85	12/02/85	PERSONNEL ERROR CAUSES TECHNICAL SPECIFICATION TO BE LATE. INADEQUATE COORDINATION RESULTED IN THE DEMONSTRATION BEING PERFORMED 4 HOURS LATE.
85-042	11/02/85	12/03/85	INCORRECT WIRING CONFIGURATION AND INCREASED LOAD CAUSES ESF BUS TRIP. THE WIRING NONCONFORMANCE HAS BEEN CORRECTED.
85-047	12/16/85	01/14/86	CONTROL ROOM EMERGENCY FILTRATION SYSTEM ACTUATES ON FALSE CHLORINE SIGNAL. CAUSE COULD NOT BE DETERMINED.
85-048	12/18/85	01/15/86	POWER TO DIV. 3 ESF BUS 17AC LOST CAUSING ACTUATION OF DIV. 3 DIESEL GENERATOR. CAUSE - A TREE FELL ON PRIMARY TRANSMISSION LINE.
85-049	12/22/85	01/21/86	INADEQUATE SURVEILLANCE REVIEW CAUSES FAILURE TO ENTER AN LCO, DUE TO THE FAILURE TO IMPLEMENT THE REQUIREMENTS OF THE ACTION STATEMENT OF TECHNICAL SPECIFICATION 3.6.6.2.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

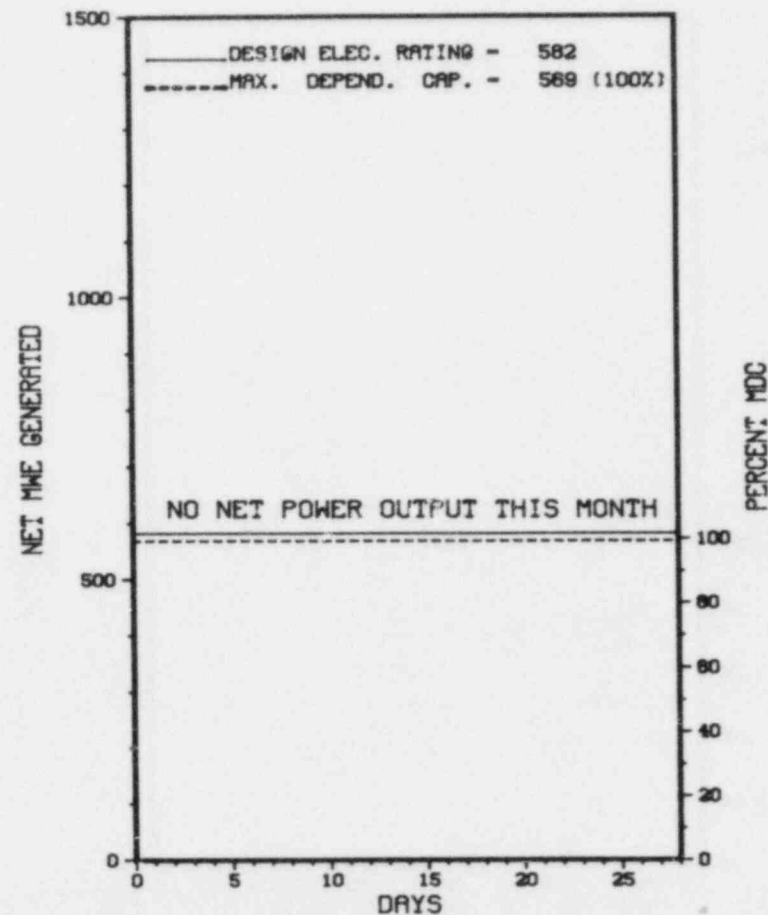
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>159,216.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>86.8</u>	<u>136,486.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>76.2</u>	<u>130,876.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>3</u>	<u>117,556</u>	<u>227,233,468</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>38,277</u>	<u>74,568,715</u>
19. Net Elec Ener (MWH)	<u>-2,571</u>	<u>30,223</u>	<u>70,931,314</u>
20. Unit Service Factor	<u>.0</u>	<u>5.4</u>	<u>82.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>5.4</u>	<u>82.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>3.8</u>	<u>81.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>3.7</u>	<u>76.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,326.1</u>

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

27. If Currently Shutdown Estimated Startup Date: 04/18/86

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HADDAM NECK



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-01	01/04/86	S	672.0	C	4		RC	FUELXX	CONTINUATION OF CORE 13-14 REFUELING.

 * SUMMARY *

CONNECTICUT YANKEE HADDAM NECK REMAINS SHUTDOWN FOR REFUELING.

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

* HADDAM NECK *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR50 APP B, TECH SPEC 6.8 AND ADMIN CONTROL PROCEDURES: A) ON 12/12/85, AWO 85-06480 WAS NOT CONTROLLED & DOC PER PROC 1.2-5.1 IN THAT (1) SUPP WORK ORDERS WERE NOT IMPL WHEN WORK SCOPE CHANGED FROM #3 SG WIDE RANGE LEVEL INDICATORS TO #3 SG WIDE RANGE & NARROW LEVEL TRANSMITTERS; (2) MIL FOR THIS WORK ACT WAS NOT CORRECTLY PROCESSED BECAUSE CAT 1 CLASS OF REQD REPLACE COMP WAS NOT SPECIFIED. B) ON 10/25/84, AWO 84-08964 WAS NOT CONTROLLED & DOC IN ACCORD WITH PROC 1.2-5.1 BECAUSE APPLICABLE PDCR 622 CORE COOLING USING PORV'S WAS NOT SPEC IN TASK DESCRIPT SECT OF AWO, & BECAUSE APPLICABLE PREOP TEST (SPL 10.7-219) WAS NOT SPEC IN RETEST SECT OF AWO. C) ON 10/15/85, NCR 85-194 FOR INSTALL OF A NON-CAT 1 LEVEL TRANSMITTER IN CAT 1 SG LEVEL INDIC SYSTEM WAS NOT REVIEWED & DISPOSIT IN TIMELY MANNER, IN THAT NCR WAS NOT DISPOSIT UNTIL 10/23/85. HAD THAT REVIEW DETER THAT REPLACE TRANSMITTER WAS NOT ACCEPT, TS 3.9 LCO WOULD HAVE BEEN EXCEEDED FOR 9 DAYS. D) ON 10/4/85, MIL FOR AWO 85-06299 WAS NOT CORR CLASS, & STOREKEEPER DID NOT ASSURE THAT ISSUED MATL CONFORMED TO MIL REQMTS IN THAT ALARM UNIT LISTED ON MIL WAS NOT CLASS AS CAT 1 & A CAT 1 UNIT WAS ISSUED. ALTHOUGH THIS WAS CONSERVATIVE ACTION, THIS IS AN EXAMPLE OF NON-ADHERENCE TO PROC. E) THREE SAFETY-RELATED TPC'S WERE NOT REVIEWED BY PORC OR APPROVD BY STATION SUPER WITHIN 14 DAYS IN THAT TPC'S 85-123 AND 85-124 IMPLM ON 9/16/85 AND TPC 84-185 IMPLM ON 10/19/84 WERE NOT REVIEWED & APPROVED UNTIL 10/17 & 25/85, RESPECT. F) AS OF 12/2/85, SURVEIL TESTS NECESSITATED BY PDCR 622, WERE NOT INCLUDED IN PLANT PROC WITHIN 1 MON OF COMPLETION OF THAT DESIGN CHG ON 10/29/84 IN THAT

INSPECTION STATUS - (CONTINUED)

PAGE 2-139

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: LEE KANIPE (912) 367-7781 X2882

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): 768

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>89,088.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>62,052.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>58,566.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>124,432,255</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>40,232,840</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>38,209,178</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>65.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>65.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>55.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,520.0</u>

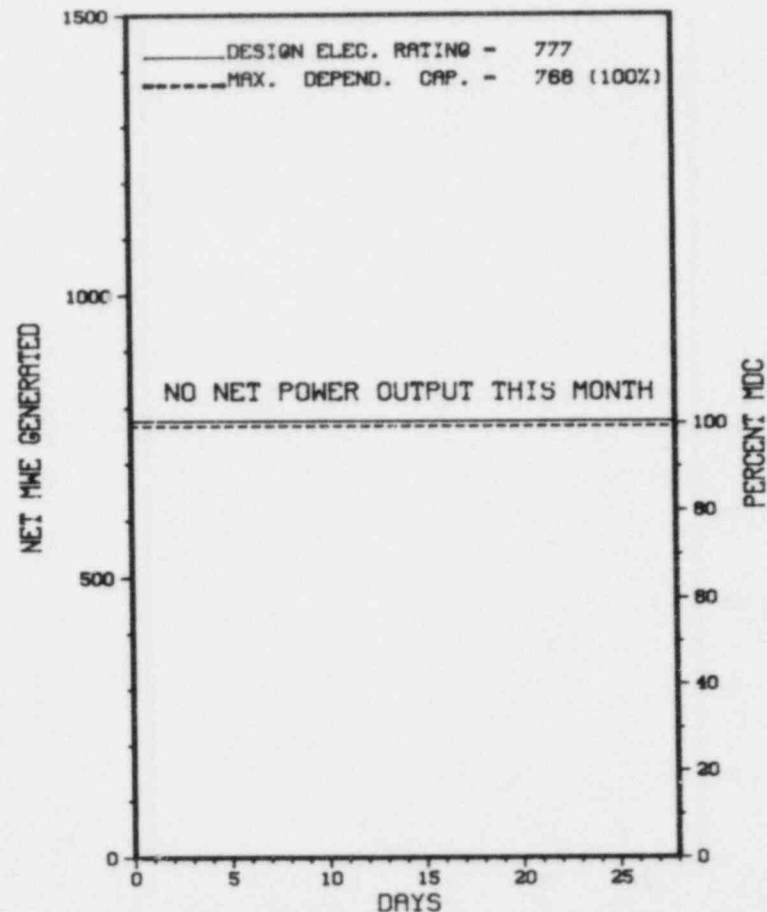
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HATCH 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-002	11/27/85	S	672.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

 * SUMMARY *

HATCH 1 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)

* HATCH 1 *

FACILITY DATA

Report Period FEB 1986

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 DECEMBER 12 - JANUARY 21, 1986 (85-36): THIS SPECIAL, ANNOUNCED PHYSICAL SECURITY INSPECTION ENTAILED 4 INSPECTOR-HOURS ON SITE REVIEWING THE FACTS AND CIRCUMSTANCES SURROUNDING A PHYSICAL SECURITY EVENT REPORTED BY THE LICENSEE ON DECEMBER 10, 1985. A VIOLATION WAS IDENTIFIED IN THE AREA OF ACCESS CONTROL - PROTECTED AND VITAL AREAS.

INSPECTION DECEMBER 21 - JANUARY 17, 1986 (85-38): THIS INSPECTION INVOLVED 67 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 26-27 (85-39): THIS REACTIVE INSPECTION ENTAILED 20 INSPECTOR-HOURS ON SITE IN RESPONSE TO AN EVENT WHICH OCCURRED ON DECEMBER 21, 1985. INSPECTION METHODS INCLUDED LOG REVIEWS, PERSONNEL INTERVIEWS, PLANT TOURS, AND STAFF BRIEFINGS. AREAS INSPECTED INCLUDED OPERATING PROCEDURES, PERSONNEL AND EQUIPMENT PERFORMANCE. ONE VIOLATION WAS IDENTIFIED IN THAT PROCEDURE 30AC-OPS-001-01 WAS NOT FOLLOWED IN THE RELEASE OF SAFETY CLEARANCE 1-85-1675 FOR MAINTENANCE WORK ORDER 1-85-1720.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS OF THE CONTRACT HEALTH PHYSICS STAFF, INSTRUMENT CALIBRATION, PERFORMANCE AND DOCUMENTATION OF RADIATION SURVEYS, RADIOACTIVE WASTE TRANSPORTATION, RADIOACTIVE WASTE CLASSIFICATION AND RESPIRATORY PROTECTION. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO VIOLATIONS WERE FOUND IN THE AREAS OF INSTRUMENT CALIBRATION AND RADIOACTIVE WASTE TRANSPORTATION.

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION, NUCLEAR WELDING (OVERLAY WELDING AND INDUCTION HEAT STRESS IMPROVEMENT), AND INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURE FOR SIGN OFF OF TRAVELER STEPS FOR IHSI.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

† A NEW SITE MANAGER OF ENGINEERING WAS SELECTED.

PLANT STATUS:

+ UNIT UNDER GOING 14 WEEKS REFUELING AND MAINTENANCE OUTAGE, WHICH COMMENCED 11-30-85.

LAST IE SITE INSPECTION DATE: JANUARY 6-10, 1986 +

INSPECTION REPORT NO: 50-321/86-02 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-046	12/19/85	01/17/86	SPURIOUS STANDBY GAS TREATMENT INITIATION. DETERMINED TO BE A NONRECURRING SPURIOUS ACTUATION.
85-047	12/20/85	01/17/86	INADEQUATE SURVEILLANCE TEST FOR DRYWELL PERSONNEL AIRLOCK DOOR SEALS. THIS EVENT IS THE RESULT OF NONLICENSED PERSONNEL EPROR.
85-052	12/19/85	01/17/86	SAFETY RELIEF VALVES FOUND OUT OF TOLERANCE. A PROPOSED TECHNICAL SPECIFICATION REVISION HAS BEEN RECOMMENDED.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: LEE KANIPE (912) 367-7781 X2882

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): 777

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>56,857.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,347.2</u>	<u>39,067.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,300.8</u>	<u>37,311.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,387,008</u>	<u>2,700,016</u>	<u>81,233,263</u>
18. Gross Elec Ener (MWH)	<u>457,030</u>	<u>892,900</u>	<u>26,807,890</u>
19. Net Elec Ener (MWH)	<u>436,459</u>	<u>852,389</u>	<u>25,522,582</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.9</u>	<u>65.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.9</u>	<u>65.6</u>
22. Unit Cap Factor (MDC Net)	<u>83.6</u>	<u>77.5</u>	<u>57.8</u>
23. Unit Cap Factor (DER Net)	<u>82.8</u>	<u>76.8</u>	<u>57.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.1</u>	<u>9.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>115.2</u>	<u>4,001.2</u>

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

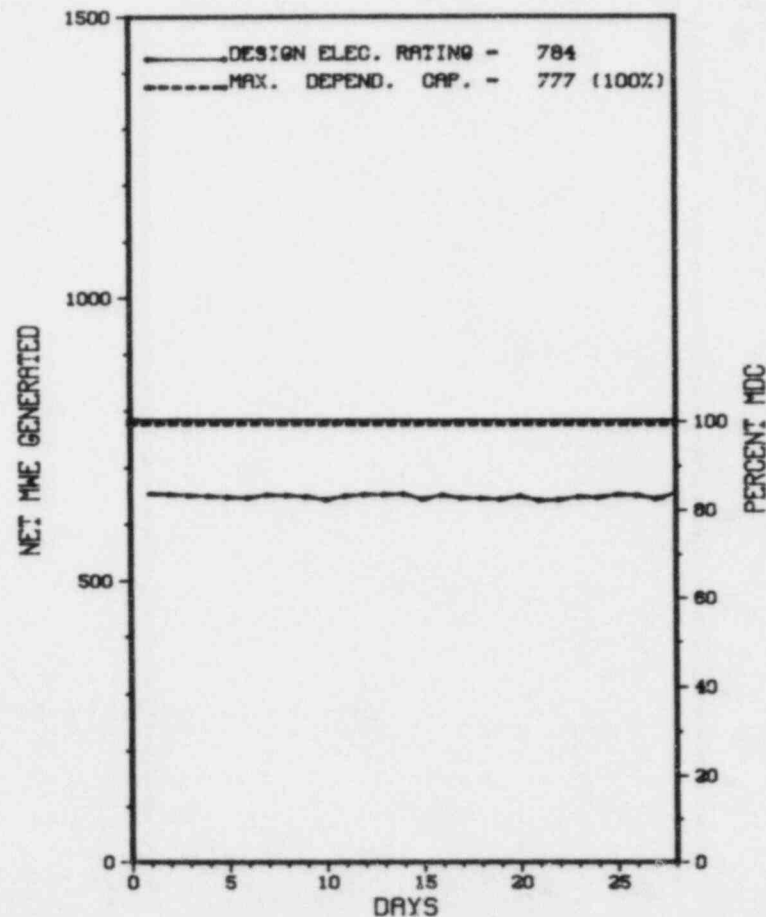
REFUELING OUTAGE: 09/06/86 - 8 WEEKS.

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

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-010	02/01/86	S	0.0	H	5		ZZ	ZZZZZZ	MANAGEMENT DECISION TO REDUCE POWER TO 85%. HIGH OFFGAS ACTIVITY IN RX. AND TURBINE BUILDING CAUSED BY LEAKING FUEL WAS SLOWING DOWN UNIT ONE OUTAGE WORK.
86-011	02/15/86	S	0.0	B	5		HA	TURBIN	REDUCING POWER FOR TURBINE AND MSIV TESTING.
86-012	02/15/86	S	0.0	H	5		ZZ	ZZZZZZ	MANAGEMENT DECISION TO REDUCE POWER TO 85%. HIGH OFFGAS ACTIVITY IN RX. AND TURBINE BUILDING CAUSED BY LEAKING FUEL WAS SLOWING DOWN UNIT ONE OUTAGE WORK.

 * SUMMARY *

 HATCH 2 OPERATED WITH 3 REDUCTIONS IN FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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 DECEMBER 12 - JANUARY 21, 1986 (85-36): THIS SPECIAL, ANNOUNCED PHYSICAL SECURITY INSPECTION ENTAILED 4 INSPECTOR-HOURS ON SITE REVIEWING THE FACTS AND CIRCUMSTANCES SURROUNDING A PHYSICAL SECURITY EVENT REPORTED BY THE LICENSEE ON DECEMBER 10, 1985. A VIOLATION WAS IDENTIFIED IN THE AREA OF ACCESS CONTROL - PROTECTED AND VITAL AREAS.

INSPECTION DECEMBER 21 - JANUARY 17, 1986 (85-38): THIS INSPECTION INVOLVED 67 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS OF THE CONTRACT HEALTH PHYSICS STAFF, INSTRUMENT CALIBRATION, PERFORMANCE AND DOCUMENTATION OF RADIATION SURVEYS, RADIOACTIVE WASTE TRANSPORTATION, RADIOACTIVE WASTE CLASSIFICATION AND RESPIRATORY PROTECTION. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO VIOLATIONS WERE FOUND IN THE AREAS OF INSTRUMENT CALIBRATION AND RADIOACTIVE WASTE TRANSPORTATION.

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION, NUCLEAR WELDING (OVERLAY WELDING AND INDUCTION HEAT STRESS IMPROVEMENT), AND INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURE FOR SIGN OFF OF TRAVELER STEPS FOR IHSI.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

+ A NEW SITE MANAGER OF ENGINEERING WAS SELECTED.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 6-10, 1986 +

INSPECTION REPORT NO: 50-366/86-02 +

REPORTS FROM LICENSEE

PAGE 2-147

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: K. KRIEGER (914) 526-5155

4. Licensed Thermal Power (MWt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 864

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

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

11. Reasons for Restrictions, If Any: _____
NONE

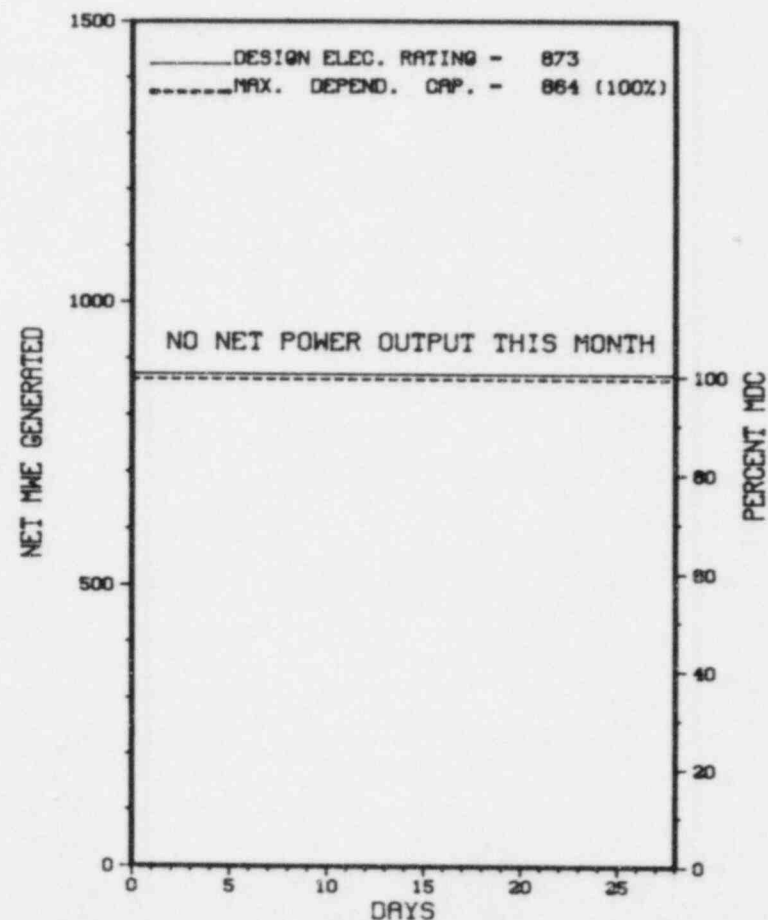
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>102,265.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>300.5</u>	<u>69,470.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,497.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>295.1</u>	<u>67,431.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>799,337</u>	<u>175,633,544</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>252,760</u>	<u>54,503,236</u>
19. Net Elec Ener (MWH)	<u>-1,560</u>	<u>239,535</u>	<u>51,418,393</u>
20. Unit Service Factor	<u>.0</u>	<u>20.8</u>	<u>65.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>20.8</u>	<u>65.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>19.6</u>	<u>59.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>19.4</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>9.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>13.3</u>	<u>6,487.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 03/29/86

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



FEBRUARY 1986

* Item calculated with a Weighted Average

PAGE 2-148

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/13/86	S	672.0	C	4		RC	FUELXX	CYCLE 7/8 REFUELING OUTAGE CONTINUES.

 * SUMMARY *

INDIAN POINT 2 REMAINS SHUTDOWN FOR REFUELING.

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

* INDIAN POINT 2 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WESTCHESTER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 22, 1973
DATE ELEC ENER 1ST GENER...JUNE 26, 1973
DATE COMMERCIAL OPERATE...AUGUST 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSOLIDATED EDISON
CORPORATE ADDRESS.....4 IRVING PLACE
NEW YORK, NEW YORK 10003
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period FEB 1986

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.			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>83,281.0</u>
13. Hours Reactor Critical	<u>657.1</u>	<u>1,401.1</u>	<u>48,668.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>656.9</u>	<u>1,400.9</u>	<u>47,034.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,981,394</u>	<u>4,236,359</u>	<u>122,958,323</u>
18. Gross Elec Ener (MWH)	<u>659,960</u>	<u>1,408,120</u>	<u>39,012,506</u>
19. Net Elec Ener (MWH)	<u>638,105</u>	<u>1,361,905</u>	<u>37,376,296</u>
20. Unit Service Factor	<u>97.8</u>	<u>98.9</u>	<u>56.5</u>
21. Unit Avail Factor	<u>97.8</u>	<u>98.9</u>	<u>56.5</u>
22. Unit Cap Factor (MDC Net)	<u>98.4</u>	<u>99.7</u>	<u>46.5</u>
23. Unit Cap Factor (DER Net)	<u>98.4</u>	<u>99.7</u>	<u>46.5</u>
24. Unit Forced Outage Rate	<u>2.2</u>	<u>1.1</u>	<u>19.3</u>
25. Forced Outage Hours	<u>15.1</u>	<u>15.1</u>	<u>11,208.1</u>

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

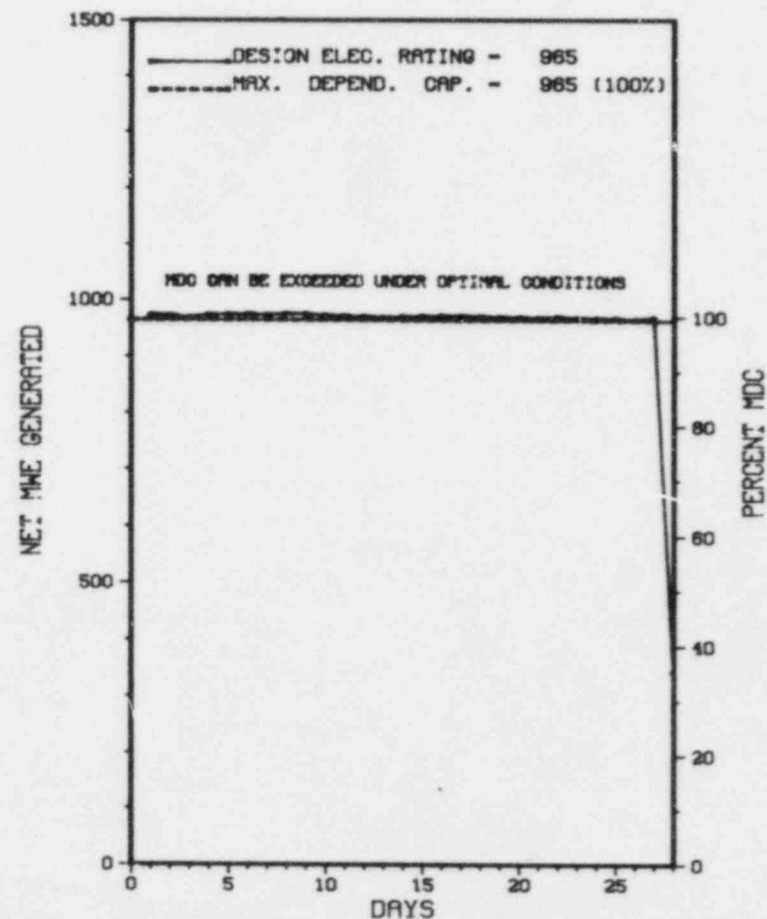
STEAM GENERATOR INSPECTION: 04/86.

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

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
01	02/28/86	F	15.1	A	3	86-001-00	IC	RELAYX	WHILE CONDUCTING A TURBINE INDEPENDENT ELECTRICAL OVERSPEED PROTECTION SYSTEM (IEOPS) ANALOG TEST A STUCK BLOCKING RELAY (LTB-1) IN THE IEOPS CIRCUIT CAUSED MAIN TURBINE GENERATOR STEAM STOP AND CONTROL VALVES TO CLOSE. THIS CAUSED STEAM GENERATOR LEVELS TO SHRINK BELOW TRIP SET POINT.

 * SUMMARY *

 INDIAN POINT 3 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

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

* INDIAN POINT 3 *

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

Report Period FEB 1986

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period FEB 1986

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

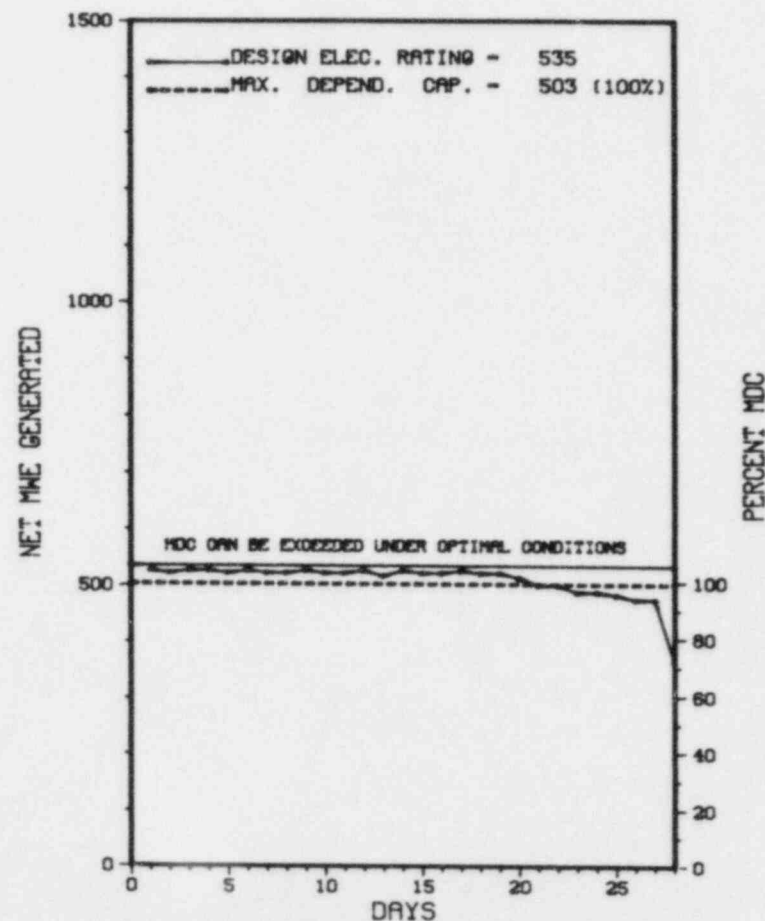
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>102,625.0</u>
13. Hours Reactor Critical	<u>671.8</u>	<u>1,415.8</u>	<u>87,432.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>671.5</u>	<u>1,415.5</u>	<u>85,971.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,067,018</u>	<u>2,284,899</u>	<u>134,992,632</u>
18. Gross Elec Ener (MWH)	<u>357,800</u>	<u>765,200</u>	<u>44,503,700</u>
19. Net Elec Ener (MWH)	<u>341,664</u>	<u>730,923</u>	<u>42,372,135</u>
20. Unit Service Factor	<u>99.9</u>	<u>100.0</u>	<u>83.8</u>
21. Unit Avail Factor	<u>99.9</u>	<u>100.0</u>	<u>83.8</u>
22. Unit Cap Factor (MDC Net)	<u>101.1</u>	<u>102.6</u>	<u>79.8*</u>
23. Unit Cap Factor (DER Net)	<u>95.0</u>	<u>96.5</u>	<u>77.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,791.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 04/22/86

* K E W A U N E E *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * KEWAUNEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/28/86	S	0.0	B	5		RC	FUELXX	UNIT LOAD WAS REDUCED TO 44.5% FOR END OF LIFE PHYSICS TESTING.
2	02/28/86	S	0.5	C	1		RC	FUELXX	COMMENCED CYCLE XI-XII REFUELING OUTAGE.

 * SUMMARY *

KEWAUNEE SHUTDOWN FOR REFUELING ON FEBRUARY 28TH.

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

* Kewaunee *

FACILITY DATA

Report Period FEB 1986

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 OCTOBER 16 THROUGH DECEMBER 31 (85016): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTION OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS; LICENSEE EVENTS; PLANT MODIFICATIONS; AND PART 21 REPORTS. THE INSPECTION INVOLVED A TOTAL OF 198 INSPECTOR-HOURS BY ONE INSPECTOR INCLUDING 44 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. TWO OPEN ITEMS WERE CLOSED FROM PRIOR NRC INSPECTIONS. ONE ITEM OF VIOLATION WAS IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON DECEMBER 9-12 (85018): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL AND PACKAGES; DETECTION AIDS - PROTECTED AREA; AND ALARM STATIONS. A REVIEW OF WEAKNESSES AND CONCERNS, WHICH WERE IDENTIFIED AS A RESULT OF REGION III ANALYSIS OF PREVIOUS INSPECTION FINDINGS AND FINDINGS FROM THE REGULATORY EFFECTIVENESS REVIEW CONDUCTED BY HEADQUARTERS, NUCLEAR REGULATORY COMMISSION IN JUNE 1984, WAS PERFORMED. THE INSPECTION INVOLVED 34.5 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN 10 OF THE 11 AREAS EXAMINED DURING THIS INSPECTION, EXCEPT AS NOTED BELOW: ALARM STATIONS: SOME ALARM STATION BARRIERS DID NOT OFFER THE REQUIRED PENETRATION RESISTANCE. IN ADDITION THERE WERE THREE OPEN ITEMS IDENTIFIED IN THE AREAS OF COMMUNICATIONS TESTING, PROTECTED AREA BARRIERS AND BACKGROUND SCREENING.

Report Period FEB 1986

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

* KEMAUNEE *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 16 - APRIL 15, 1986

INSPECTION REPORT NO: 86003

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
85-23	12/12/85	01/10/86	REACTOR TRIP DUE TO LOSS OF INSTRUMENT BUS

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>143,139.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,175.0</u>	<u>97,113.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,124.1</u>	<u>90,625.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>95,812</u>	<u>153,881</u>	<u>12,612,828</u>
18. Gross Elec Ener (MWH)	<u>29,714</u>	<u>47,909</u>	<u>3,787,118</u>
19. Net Elec Ener (MWH)	<u>28,018</u>	<u>44,330</u>	<u>3,513,578</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.4</u>	<u>63.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.4</u>	<u>63.4</u>
22. Unit Cap Factor (ERC Net)	<u>86.9</u>	<u>66.0</u>	<u>51.1</u>
23. Unit Cap Factor (DER Net)	<u>83.4</u>	<u>63.3</u>	<u>49.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>20.6</u>	<u>9.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>291.9</u>	<u>8,887.6</u>

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

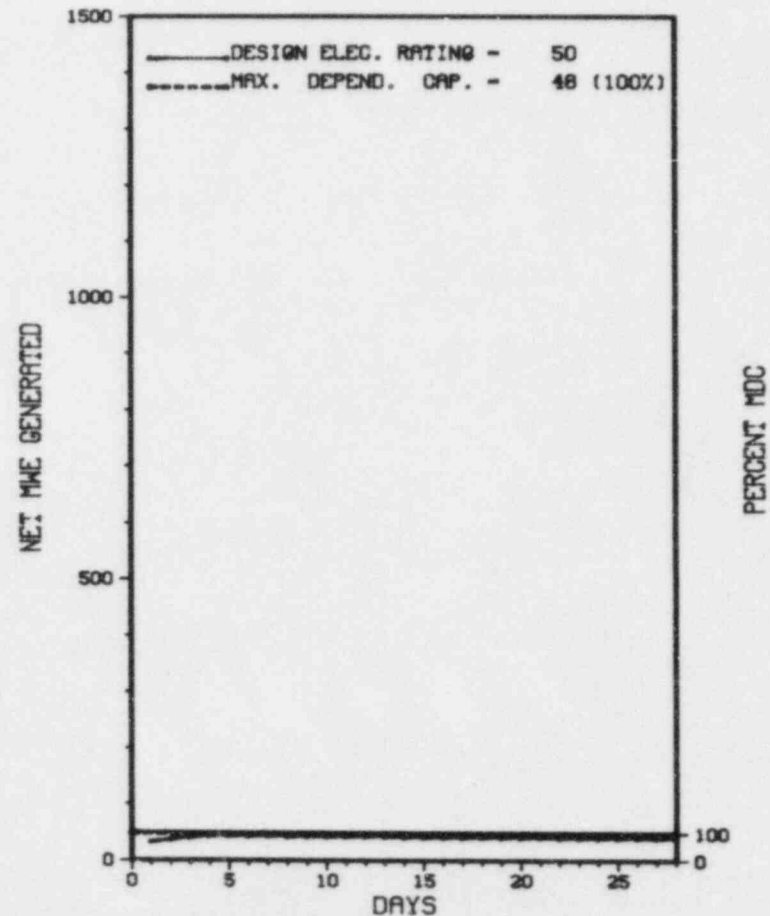
REFUELING, 03/09/86, APPROX. 6 WEEKS.

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

 * LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* LA CROSSE *

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

* SUMMARY *

LA CROSSE OPERATED ROUTINELY DURING FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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 DECEMBER 16-19 (85021): ROUTINE UNANNOUNCED INSPECTION OF THE CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING SAMPLING, LABORATORY QUALITY CONTROL, LICENSEE FOLLOWUP OF OPEN ITEMS AND REGULATORY IMPROVEMENT ITEMS IDENTIFIED IN PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 29 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

INSPECTION STATUS - (CONTINUED)

* LA CROSSE *

NONE

NONE

OPERATING ROUTINELY.

INSPECTION REPORT NO: 86002

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-20	12/31/85	01/24/86	1A HIGH PRESSURE SERVICE WATER DIESEL FAILURE
86-01	01/06/86	01/27/86	TYPE C LEAKAGE TEST FAILURE - REACTOR BUILDING MAIN STEAM ISOLATION VALVE AND IT BYPASS

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (Mwt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>18,960.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>12,037.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>11,639.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>38,349,668</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>10,499,394</u>
19. Net Elec Ener (MWH)	<u>-8,847</u>	<u>-14,429</u>	<u>10,001,175</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>61.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>61.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>50.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>48.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>17.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,458.4</u>

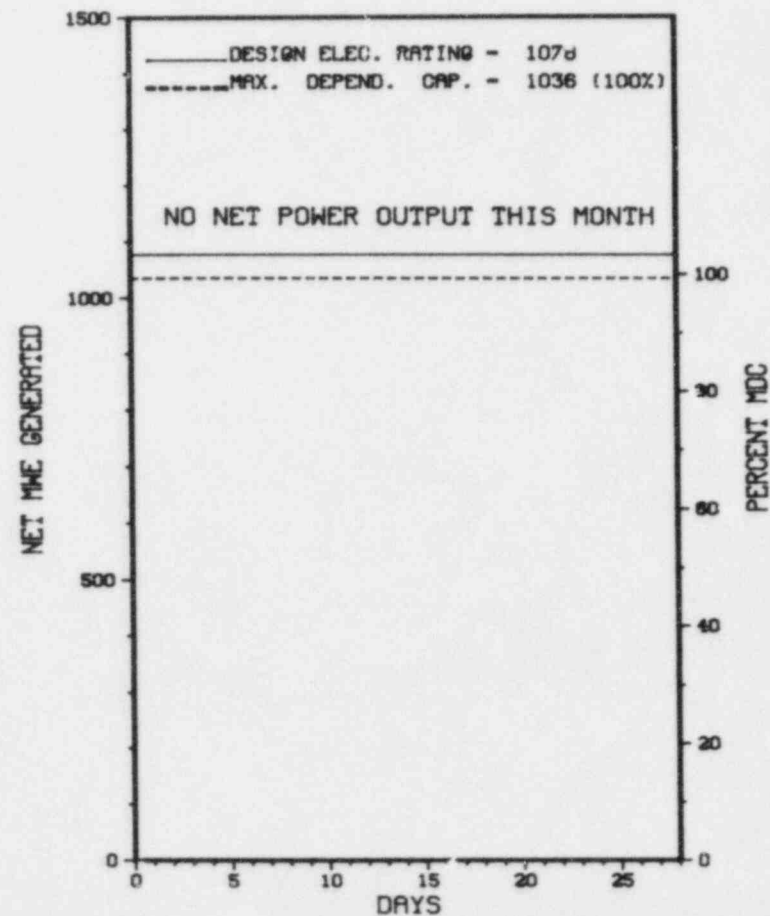
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/03/86

 * LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	10/18/85	S	672.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

LASALLE 1 REMAINS SHUTDOWN FOR REFUELING.

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

* LASALLE 1 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....ILLINOIS
COUNTY.....LA SALLE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR....11 MI SE OF
OTTAWA, ILL

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. JORDAN

LICENSING PROJ MANAGER.....A. BOURNIA
DOCKET NUMBER.....50-373

LICENSE & DATE ISSUANCE....NPF-11, AUGUST 13, 1982

PUBLIC DOCUMENT ROOM.....ILLINOIS VALLEY COMMUNITY COLLEGE
RURAL ROUTE NO. 1
OGLESBY, ILLINOIS 16348

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 1-4, 17-18, 22-24, 29-31, NOVEMBER 1, 18-22 AND DECEMBER 5 AND 19 (85032; 85033): SPECIAL, ANNOUNCED IN-DEPTH ASSESSMENT BY TWO REGIONAL INSPECTORS OF MAINTENANCE ACTIVITIES. THE ASSESSMENT INVOLVED 206 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 1 THROUGH NOVEMBER 12 (85033): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS AND ONE REGIONAL INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; PREPARATION FOR REFUELING; LICENSEE EVENT REPORTS; EMERGENCY PREPAREDNESS TRAINING; REGION REQUESTS; UNIT TRIPS AND FOLLOWUP ON EVENTS. THE INSPECTION INVOLVED A TOTAL OF 369 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 61 HOURS ONSITE DURING OFF-SHIFTS. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 8 AREAS; TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO FOLLOW TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATIONS; AND FAILURE TO REVIEW AND APPROVE PLANT MODIFICATIONS). THE LICENSEE'S EFFORT TO SCHEDULE AND PLAN WORK WAS HAVING SOME EFFECT ON JOBS BEING ACCOMPLISHED IN A REASONABLE TIME.

INSPECTION ON OCTOBER 21-23, 30-31 AND NOVEMBER 1, (85034): ROUTINE ANNOUNCED INSPECTION OF SAFETY-RELATED EQUIPMENT AND CABLES IN THE UNIT 1 AND UNIT 2 DRYWELLS TO IDENTIFY ANY DEGRADATION WHICH MAY HAVE OCCURRED AS A RESULT OF HIGHER THAN ANTICIPATED OPERATING AMBIENT TEMPERATURES. IN ADDITION, MOTOR OPERATED VALVE LIMITORQUE UNITS WERE EXAMINED FOR SETUP, MAINTENANCE, TESTING, AND PHYSICAL CONDITION. THE INSPECTION INVOLVED A TOTAL OF 77 INSPECTION-HOURS ONSITE AND EIGHT INSPECTION-HOURS OFFSITE BY THREE NRC INSPECTORS. OF THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO IMPLEMENT MEASURES TO PROMPTLY IDENTIFY AND CORRECT CONDITIONS ADVERSE TO QUALITY; FAILURE TO FOLLOW PROCEDURES WHICH LIMIT THE NUMBER OF TERMINATIONS ON A SINGLE STUD; AND

INSPECTION ON NOVEMBER 13 THROUGH DECEMBER 30 (85038): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS AND REGIONAL INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS; HEADQUARTERS REQUESTS; AND REGION REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 462 INSPECTOR-HOURS ONSITE BY SEVEN NRC INSPECTORS INCLUDING 89 HOURS ONSITE DURING OFF-SHIFTS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ALTHOUGH NO VIOLATIONS WERE ISSUED, THE LICENSEE CONTINUES TO HAVE PROBLEMS WITH THE PLANNING AND COORDINATION OF WORK ACTIVITIES RESULTING IN MISSED SAMPLES, MISSED SURVEILLANCES, AND OVER LOOKING MAINTENANCE ACTIVITIES THAT ULTIMATELY AFFECT OPERATION OF THE FACILITY. AS BRIEFLY ADDRESSED IN THIS REPORT, THESE AND OTHER CONCERNS RESULTED IN A SEPARATE REQUEST FOR THE LICENSEE, PURSUANT TO 10 CFR 50.54(F), TO DEVELOP A CORRECTIVE ACTION PLAN.

INSPECTION ON NOVEMBER 20 THROUGH DECEMBER 20, (85039): ROUTINE UNANNOUNCED INSPECTION OF THE LICENSEE'S INSPECTION PROGRAM MOTOR FOR OPERATOR VALVE LIMIT SWITCH COMPARTMENT WIRING. THE INSPECTION INVOLVED A TOTAL OF 32 INSPECTOR-HOURS BY TWO NRC INSPECTORS. ONE VIOLATION WAS IDENTIFIED (TWO EXAMPLES OF FAILURE TO FOLLOW PROCEDURES).

NONE

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUT DOWN FOR ITS FIRST REFUELING ON OCTOBER 18, 1985

LAST IE SITE INSPECTION DATE: FEBRUARY 24 - 29, 1986

INSPECTION REPORT NO: 86008

* LASALLE 1 *

REPORTS FROM LICENSEE

Report Period FEB 1986

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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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: 02/01/86 Outage + On-line Hrs: 672.0
3. Utility Contact: JAMES P. PETERS (815) 357-6761
4. Licensed Thermal Power (MWt): 3323
5. Nameplate Rating (Gross MWe): 1078
6. Design Electrical Rating (Net MWe): 1078
7. Maximum Dependable Capacity (Gross MWe): 1078
8. Maximum Dependable Capacity (Net MWe): 1036
9. If Changes Occur Above Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>11,952.0</u>
13. Hours Reactor Critical	<u>624.5</u>	<u>1,368.5</u>	<u>6,757.9</u>
14. Rx Reserve Shtdwn Hrs	<u>29.8</u>	<u>29.8</u>	<u>1,716.7</u>
15. Hrs Generator On-Line	<u>605.3</u>	<u>1,349.3</u>	<u>6,586.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,798,080</u>	<u>3,964,104</u>	<u>19,472,655</u>
18. Gross Elec Ener (MWH)	<u>601,090</u>	<u>1,325,871</u>	<u>6,435,940</u>
19. Net Elec Ener (MWH)	<u>582,879</u>	<u>1,289,889</u>	<u>6,112,904</u>
20. Unit Service Factor	<u>90.1</u>	<u>95.3</u>	<u>55.1</u>
21. Unit Avail Factor	<u>90.1</u>	<u>95.3</u>	<u>55.1</u>
22. Unit Cap Factor (MDC Net)	<u>83.7</u>	<u>87.9</u>	<u>49.4</u>
23. Unit Cap Factor (DER Net)	<u>80.5</u>	<u>84.5</u>	<u>47.4</u>
24. Unit Forced Outage Rate	<u>9.9</u>	<u>4.7</u>	<u>22.5</u>
25. Forced Outage Hours	<u>66.7</u>	<u>66.7</u>	<u>1,907.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

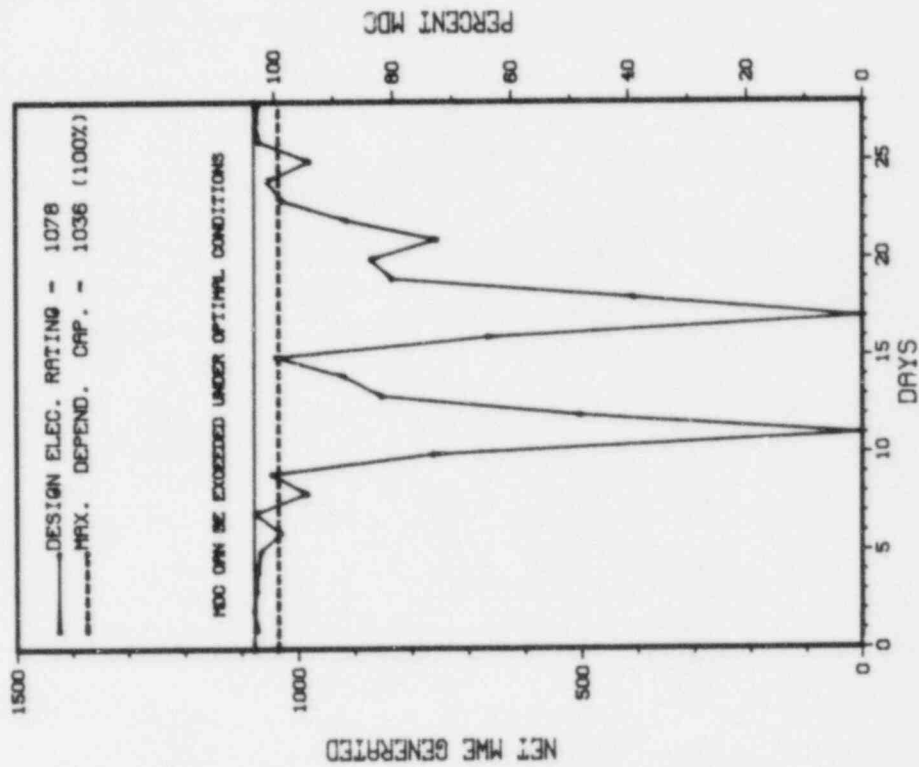
NONE

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

* LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	02/10/86	F	29.8	A	2				FAILURE OF #1 BYPASS VALVE.
16	02/16/86	F	36.9	A	3				REACTOR SCRAM ON LOAD REJECT DUE TO A PHASE TO PHASE FAULT ON A TRANSMISSION LINE. THE A PHASE OCB 1-9 FAILED TO TRIP (OUT OF TOLERANCE ON TRIP COILS) RESULTING IN THE 2 EAST MAIN TRANSFORMER.

* SUMMARY *

LASALLE 2 OPERATED WITH 2 OUTAGES FOR EQUIPMENT FAILURE.

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

* LASALLE 2 *

FACILITY DATA

Report Period FEB 1986

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 OCTOBER 1-4, 17-18, 22-24, 29-31, NOVEMBER 1, 18-22 AND DECEMBER 5 AND 19 (85033) SPECIAL, ANNOUNCED IN-DEPTH ASSESSMENT BY TWO REGIONAL INSPECTORS OF MAINTENANCE ACTIVITIES. THE ASSESSMENT INVOLVED 206 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 1 THROUGH NOVEMBER 12 (85034): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS AND ONE REGIONAL INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; PREPARATION FOR REFUELING; LICENSEE EVENT REPORTS; EMERGENCY PREPAREDNESS TRAINING; REGION REQUESTS; UNIT TRIPS AND FOLLOWUP ON EVENTS. THE INSPECTION INVOLVED A TOTAL OF 369 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 61 HOURS ONSITE DURING OFF-SHIFTS. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 8 AREAS; TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO FOLLOW TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATIONS; AND FAILURE TO REVIEW AND APPROVE PLANT MODIFICATIONS). THE LICENSEE'S EFFORT TO SCHEDULE AND PLAN WORK WAS HAVING SOME EFFECT ON JOBS BEING ACCOMPLISHED IN A REASONABLE TIME.

INSPECTION ON OCTOBER 21-23, 30-31 AND NOVEMBER 1, (85035): ROUTINE ANNOUNCED INSPECTION OF SAFETY-RELATED EQUIPMENT AND CABLES IN THE UNIT 1 AND UNIT 2 DRYWELLS TO IDENTIFY ANY DEGRADATION WHICH MAY HAVE OCCURRED AS A RESULT OF HIGHER THAN ANTICIPATED OPERATING AMBIENT TEMPERATURES. IN ADDITION, MOTOR OPERATED VALVE LIMITORQUE UNITS WERE EXAMINED FOR SETUP, MAINTENANCE, TESTING, AND PHYSICAL CONDITION. THE INSPECTION INVOLVED A TOTAL OF 77 INSPECTION-HOURS ONSITE AND EIGHT INSPECTION-HOURS OFFSITE BY THREE NRC INSPECTORS. OF THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO IMPLEMENT MEASURES TO PROMPTLY IDENTIFY AND CORRECT CONDITIONS ADVERSE TO QUALITY; FAILURE TO FOLLOW PROCEDURES WHICH LIMIT THE NUMBER OF TERMINATIONS ON A SINGLE STUD; AND

INSPECTION STATUS - (CONTINUED)

* LASALLE 2 *

FAILURE TO PROVIDE PERMANENT IDENTIFICATION FOR THE UNIT 1 SRVS).

INSPECTION ON NOVEMBER 20 THROUGH DECEMBER 20, (85040): ROUTINE UNANNOUNCED INSPECTION OF THE LICENSEE'S INSPECTION PROGRAM MOTOR FOR OPERATOR VALVE LIMIT SWITCH COMPARTMENT WIRING. THE INSPECTION INVOLVED A TOTAL OF 32 INSPECTOR-HOURS BY TWO NRC INSPECTORS. ONE VIOLATION WAS IDENTIFIED (TWO EXAMPLES OF FAILURE TO FOLLOW PROCEDURES).

NONE

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 24 - 28, 1986

INSPECTION REPORT NO: 86009

* LASALLE 2 *

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

Report Period FEB 1986

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-48	12/24/85	01/20/86	RCIC WATER LEG PUMP FAILURE

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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: 02/01/86 Outage + On-line Hrs: 672.0

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): 1092

8. Maximum Dependable Capacity (Net MWe): 1055

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>672.0</u>	<u>672.0</u>
13. Hours Reactor Critical	<u>651.1</u>	<u>651.1</u>	<u>651.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>645.6</u>	<u>645.6</u>	<u>645.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,109,974</u>	<u>2,109,974</u>	<u>2,109,974</u>
18. Gross Elec Ener (MWH)	<u>699,970</u>	<u>699,970</u>	<u>699,970</u>
19. Net Elec Ener (MWH)	<u>673,943</u>	<u>673,943</u>	<u>673,943</u>
20. Unit Service Factor	<u>96.1</u>	<u>96.1</u>	<u>96.1</u>
21. Unit Avail Factor	<u>96.1</u>	<u>96.1</u>	<u>96.1</u>
22. Unit Cap Factor (MDC Net)	<u>95.1</u>	<u>95.1</u>	<u>95.1</u>
23. Unit Cap Factor (DER Net)	<u>95.1</u>	<u>95.1</u>	<u>95.1</u>
24. Unit Forced Outage Rate	<u>3.9</u>	<u>3.9</u>	<u>3.9</u>
25. Forced Outage Hours	<u>26.4</u>	<u>26.4</u>	<u>26.4</u>

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

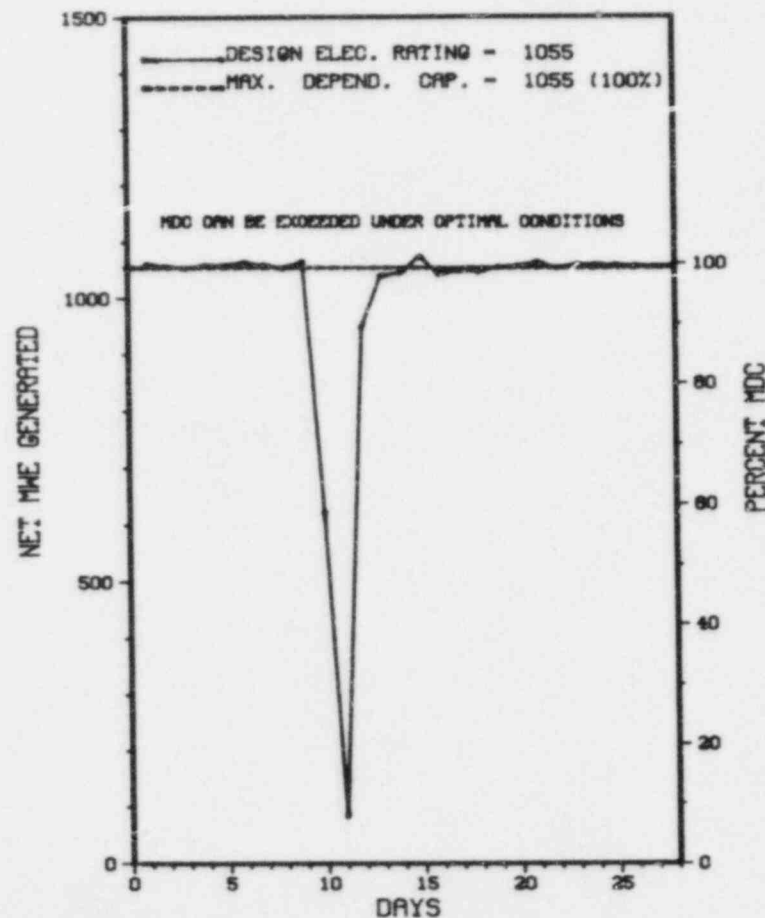
SURV. TESTING AND MAINT.: 05/01 - 6 TO 8 WEEKS.

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

* LIMERICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * LIMERICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/10/86	F	26.4	A	3	86-11	HA	INSTRU	A FULL REACTOR SCRAM FROM 99.8% POWER, OCCURRED AS A RESULT OF HIGH NEUTRON FLUX (FLOW BIASED THE NEUTRON FLUX SPIKE WAS A RESULT OF AN INCREASE IN REACTOR PRESSURE CAUSED BY THE UNEXPECTED CLOSURE OF THE TURBINE CONTROL VALVES. A GROUND IN THE ELECTROHYDRAULIC CONTROL (EHC) CIRCUIT CAUSED THE TURBINE CONTROL VALVES TO CLOSE.

 * SUMMARY *

 LIMERICK 1 DECLARED COMMERCIAL OPERATION ON FEBRUARY 1, 1986.

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

* LIMERICK 1 *

FACILITY DATA

Report Period FEB 1986

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...FEBRUARY 1, 1986

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.

Report Period FEB 1986

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

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>116,652.6</u>
13. Hours Reactor Critical	<u>520.2</u>	<u>1,249.4</u>	<u>93,586.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>503.2</u>	<u>1,228.7</u>	<u>90,777.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,238,645</u>	<u>3,037,952</u>	<u>205,038,636</u>
18. Gross Elec Ener (MWH)	<u>414,800</u>	<u>1,020,020</u>	<u>67,259,740</u>
19. Net Elec Ener (MWH)	<u>401,295</u>	<u>986,166</u>	<u>64,176,458</u>
20. Unit Service Factor	<u>74.9</u>	<u>86.8</u>	<u>77.8</u>
21. Unit Avail Factor	<u>74.9</u>	<u>86.8</u>	<u>77.8</u>
22. Unit Cap Factor (MDC Net)	<u>73.7</u>	<u>86.0</u>	<u>69.7*</u>
23. Unit Cap Factor (DER Net)	<u>72.4</u>	<u>84.4</u>	<u>67.9*</u>
24. Unit Forced Outage Rate	<u>25.1</u>	<u>13.2</u>	<u>7.0</u>
25. Forced Outage Hours	<u>168.8</u>	<u>187.3</u>	<u>5,959.8</u>

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

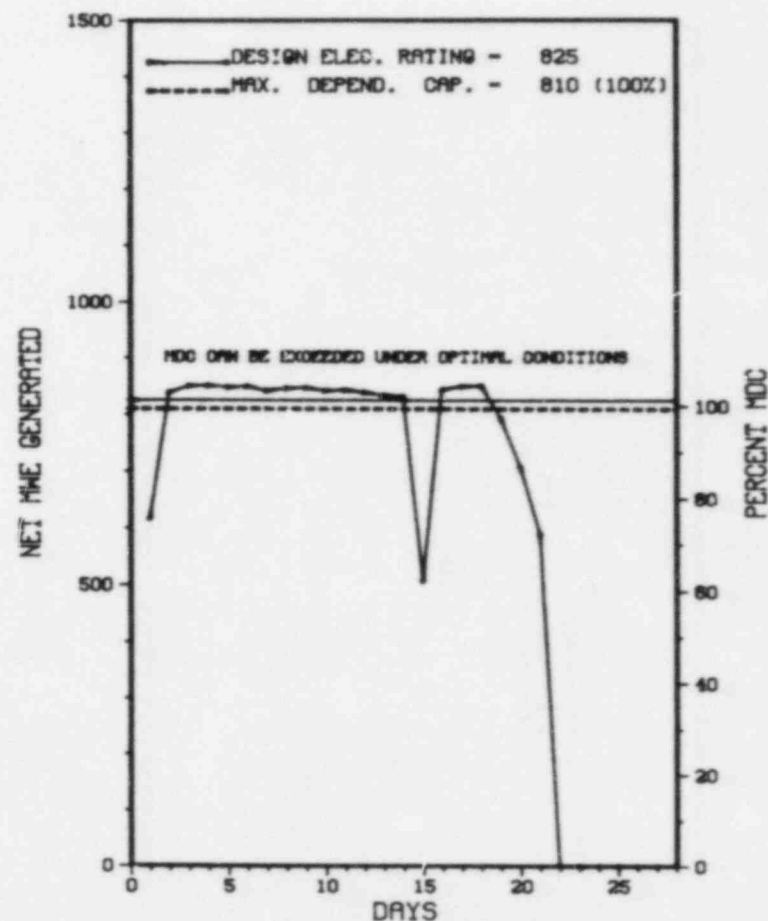
NONE

27. If Currently Shutdown Estimated Startup Date: 03/06/86

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/01/86	F	0.0	B	5		HH	PUMPXX	TURBINE VALVE TESTING AND TROUBLE SHOOTING OF THE MAIN FEED PUMP (P2C) OIL SYSTEM.
2	02/14/86	F	0.0	B	5		HA	INSTRU	REDUCED POWER TO REPAIR COMPONENTS IN TURBINE VALVE LIMITS CIRCUITRY.
8-86-9	02/21/86	F	168.8	B	1		HA	GENERA	SHUTDOWN TO REPAIR HYDROGEN LEAKAGE FROM MAIN GENERATOR. STARTUP DELAYED DUE TO CHLORIDE INTRUSION IN CONDENSER.

 * SUMMARY *

 MAINE YANKEE OPERATED WITH 1 OUTAGE AND 2 REDUCTIONS IN FEBRUARY.

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

* MAINE YANKEE *

FACILITY DATA

Report Period FEB 1986

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 FEB 1986

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: 02/01/86 Outage + On-line Hrs: 672.0

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): 1150

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1150

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>37,224.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,404.5</u>	<u>26,866.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,402.5</u>	<u>26,114.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,022,499</u>	<u>4,494,198</u>	<u>71,859,611</u>
18. Gross Elec Ener (MWH)	<u>709,263</u>	<u>1,575,599</u>	<u>24,886,252</u>
19. Net Elec Ener (MWH)	<u>680,955</u>	<u>1,515,475</u>	<u>23,667,489</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.0</u>	<u>70.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.0</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>88.1</u>	<u>93.1</u>	<u>55.3</u>
23. Unit Cap Factor (DER Net)	<u>88.1</u>	<u>93.1</u>	<u>55.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>13.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>13.5</u>	<u>4,125.0</u>

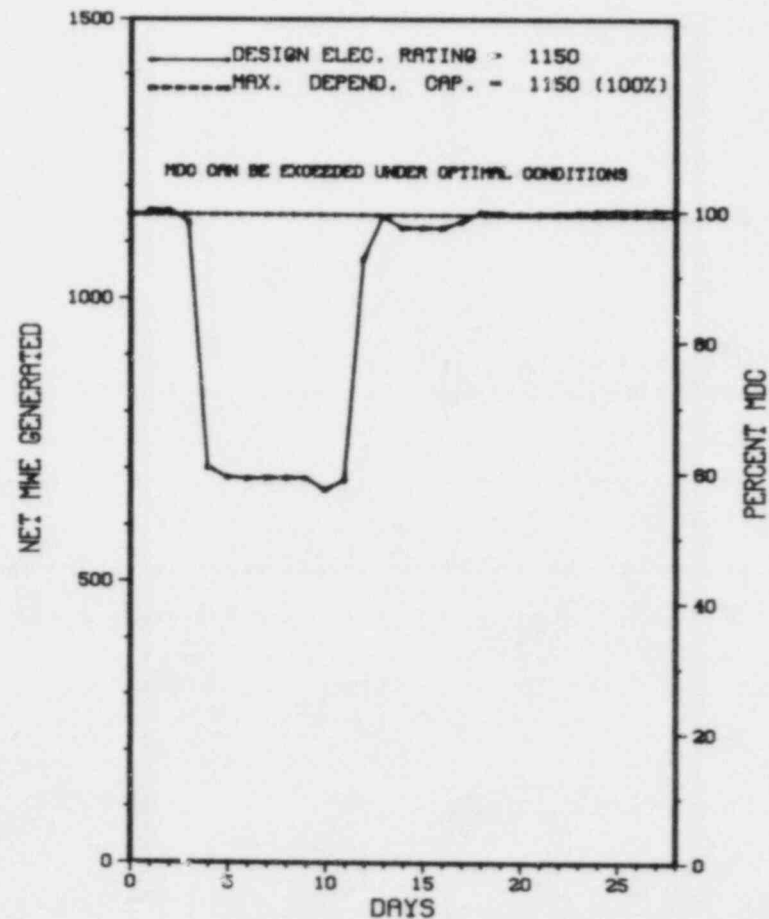
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - MAY 30, 1986 - 11 WEEKS.

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

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5-P	02/03/86	S	0.0	F	5		RC	FUELXX	CORE CONSERVATION TO EXTEND THE TIME UNTIL REFUELING OUTAGE.
6-P	02/06/86	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT TEST.
7-P	02/06/86	S	0.0	F	5		RC	FUELXX	CORE CONSERVATION TO EXTEND THE TIME UNTIL REFUELING OUTAGE.
8-P	02/10/86	F	0.0	A	5		HH	PUMPXX	REPAIR "B" FEEDWATER PUMP.
9-P	02/10/86	S	0.0	F	5		RC	FUELXX	CORE CONSERVATION TO EXTEND THE TIME UNTIL REFUELING OUTAGE.
10-P	02/13/86	F	0.0	A	5		HH	ACCUMU	REPAIR (1C1) HEATER DRAIN TANK.

 * SUMMARY *

 MCGUIRE 1 OPERATED WITH 6 REDUCTIONS LISTED IN DETAIL ABOVE.

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

* MCGUIRE 1 *

FACILITY DATA

Report Period FEB 1986

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 NOVEMBER 21 - DECEMBER 20 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 120 HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. ONE VIOLATION - FAILURE TO FOLLOW PROCEDURE.

INSPECTION JANUARY 21-24 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 31 INSPECTOR-HOURS AT THE SITE IN THE AREAS OF GASEOUS AND LIQUID RADWASTE SYSTEMS, RADIOLOGICAL EFFLUENT ACCOUNTABILITY, REACTOR COOLANT AND SECONDARY WATER TECHNICAL SPECIFICATION REQUIREMENTS, AND REVIEW OF SELECTED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1 AND STATION HEALTH PHYSICS MANUAL, SECTION 8.3, RADIOLOGICAL STATUS AND ROUTINE SURVEYS, AND ITS ATTACHED EXHIBIT 8.3-2, ROUTINES AND THEIR FREQUENCIES, FROM NOVEMBER 1 TO DECEMBER 13, 1985 APPROXIMATELY TEN PERCENT OF DAILY AND FIVE PERCENT OF WEEKLY SURVEYS WERE NOT PERFORMED.
(8504 4)

Report Period FEB 1986

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

* MCGUIRE 1 *

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: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-369/86-01 +

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

85-034	11/02/85	12/09/85	REACTOR TRIPS ON BOTH UNITS DUE TO LOSS OF INSTRUMENT AIR. A SECTION OF BRAIDED, FLEXIBLE PIPE ON THE DISCHARGE OF INSTRUMENT AIR COMPRESSOR B RUPTURED AT A WELDED SEAM.
85-035	10/30/85	12/02/85	SEVEN BABCOCK & WILCOX SPENT FUEL ASSEMBLIES INCORRECTLY STORED. THIS INCIDENT IS ATTRIBUTED TO PERSONNEL ERROR.
85-038	12/22/85	01/21/86	REACTOR TRIP ON TURBINE TRIP DUE TO GROUND FAULT. THE UNIT WAS STABILIZED FOLLOWING THE TRIP AND THE "MOD" WAS REPAIRED.
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (MWh): 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): 1150

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>672.0</u>	<u>1,416.0</u>	<u>17,520.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,369.5</u>	<u>12,998.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,365.3</u>	<u>12,631.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,262,594</u>	<u>4,546,842</u>	<u>40,697,872</u>
18. Gross Elec Ener (MWH)	<u>797,678</u>	<u>1,605,528</u>	<u>14,305,520</u>
19. Net Elec Ener (MWH)	<u>769,484</u>	<u>1,546,460</u>	<u>13,700,113</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.4</u>	<u>72.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.4</u>	<u>72.1</u>
22. Unit Cap Factor (MDC Net)	<u>99.6</u>	<u>93.7</u>	<u>68.0</u>
23. Unit Cap Factor (DER Net)	<u>99.6</u>	<u>93.7</u>	<u>68.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.6</u>	<u>16.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>50.7</u>	<u>2,518.2</u>

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

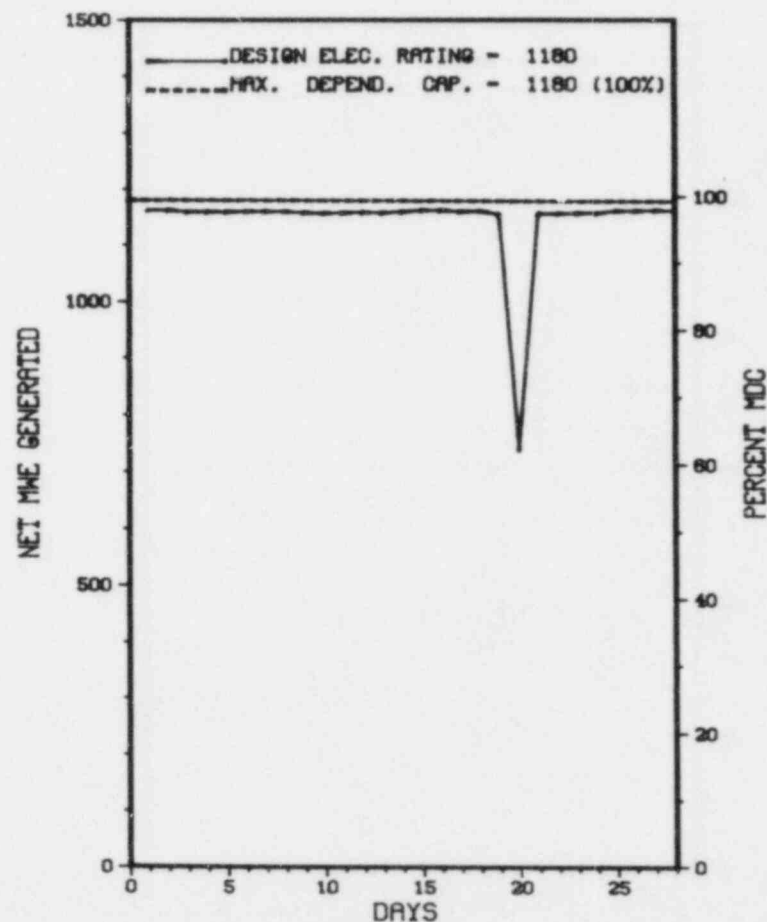
REFUELING - 03/14/86 - 9 WEEKS.

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

* MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6-P	02/19/86	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT TEST.

***** MCGUIRE 2 OPERATED WITH 1 REDUCTION FOR TESTING.

* 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 2 *

FACILITY DATA

Report Period FEB 1986

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 NOVEMBER 21 - DECEMBER 20 (85-42): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 120 HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. ONE VIOLATION - FAILURE TO FOLLOW PROCEDURE.

INSPECTION JANUARY 21-24 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS AT THE SITE IN THE AREAS OF GASEOUS AND LIQUID RADWASTE SYSTEMS, RADIOLOGICAL EFFLUENT ACCOUNTABILITY, REACTOR COOLANT AND SECONDARY WATER TECHNICAL SPECIFICATION REQUIREMENTS, AND REVIEW OF SELECTED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

INSPECTION STATUS - (CONTINUED)

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*           MCGUIRE 2           *
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SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-370/86-01 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-029	11/10/85	12/09/85	INADVERTENT START OF TURBINE DRIVEN AUXILIARY FEEDWATER PUMP. THE FUSE BLEW ON THE AUTO-START CIRCUITRY.
85-030	12/11/85	01/13/86	REACTOR TRIP WHILE SUBCRITICAL, DUE TO SOURCE RANGE SPIKE. IT IS BELIEVED THAT WATER IN THE DETECTOR CANISTER CAUSED THE FAILURE.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>133,704.0</u>
13. Hours Reactor Critical	<u>637.3</u>	<u>1,381.3</u>	<u>102,460.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,834.5</u>
15. Hrs Generator On-Line	<u>630.7</u>	<u>1,374.7</u>	<u>99,563.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>93.7</u>
17. Gross Therm Ener (MWH)	<u>1,239,702</u>	<u>2,730,997</u>	<u>183,345,195</u>
18. Gross Elec Ener (MWH)	<u>425,200</u>	<u>936,600</u>	<u>61,637,896</u>
19. Net Elec Ener (MWH)	<u>406,452</u>	<u>895,886</u>	<u>58,788,399</u>
20. Unit Service Factor	<u>93.9</u>	<u>97.1</u>	<u>74.5</u>
21. Unit Avail Factor	<u>93.9</u>	<u>97.1</u>	<u>74.5</u>
22. Unit Cap Factor (MDC Net)	<u>92.5</u>	<u>96.7</u>	<u>67.2</u>
23. Unit Cap Factor (DER Net)	<u>91.6</u>	<u>95.9</u>	<u>66.6</u>
24. Unit Forced Outage Rate	<u>6.1</u>	<u>2.9</u>	<u>12.2</u>
25. Forced Outage Hours	<u>41.3</u>	<u>41.3</u>	<u>5,855.6</u>

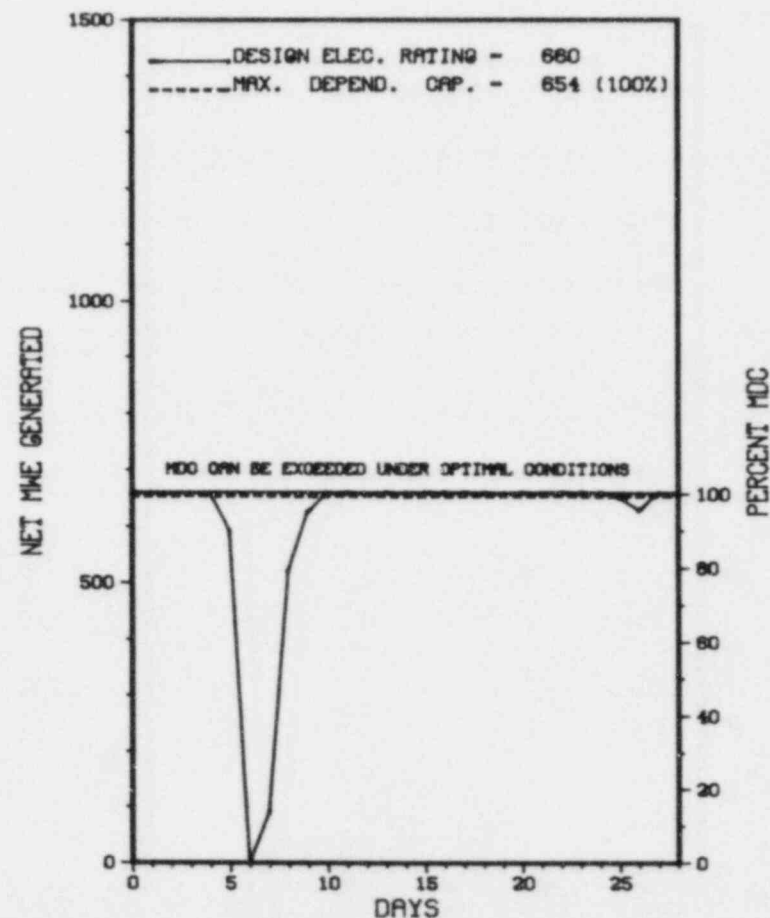
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/05/86	F	41.3	H	3	86-005			A PRESSURE OSCILLATION IN THE MECHANICAL PRESSURE REGULATOR (MPR) SYSTEM CAUSED THE REACTOR TO SCRAM ON APRM HI-HI FLUX. A COMPLETE OVERHAUL OF THE MPR SYSTEM IS PLANNED TO PREVENT RECURRENCE.

* SUMMARY *

MILLSTONE 1 OPERATED ROUTINELY WITH 1 OUTAGE DURING FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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. SHEDLOSKEY
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

INSPECTION STATUS

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)

* MILLSTONE 1 *

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

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	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NO INPUT PROVIDED.

[illegible]

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

2. Reporting Period: 02/01/86 Outage : On-line Hrs: 672.0

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

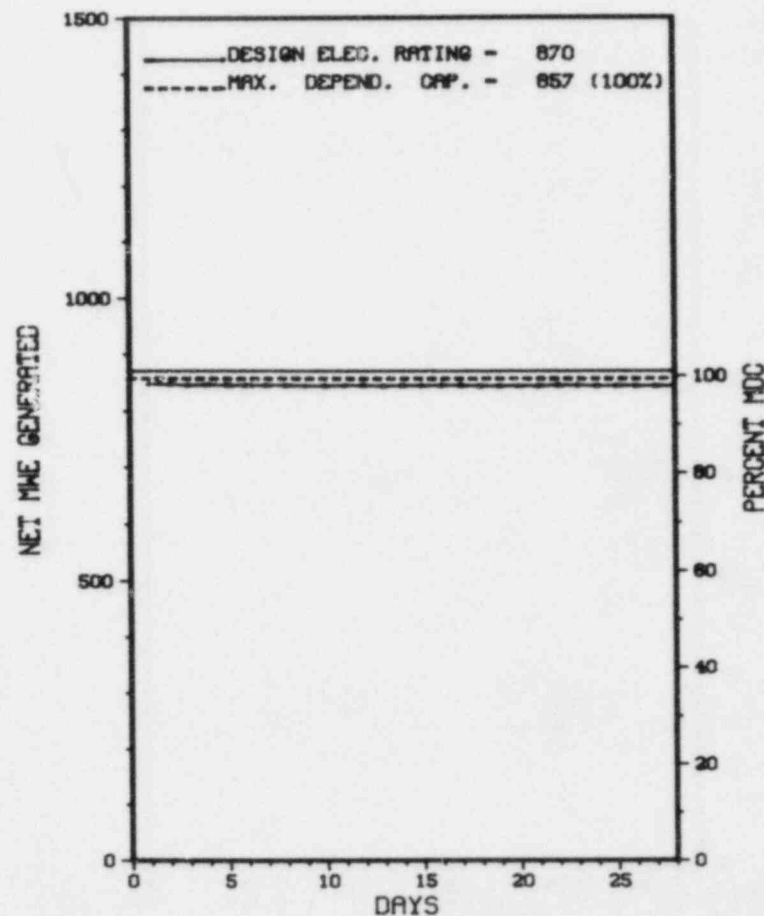
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>89,232.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>62,838.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>60,133.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,813,645</u>	<u>3,797,744</u>	<u>152,706,253</u>
18. Gross Elec Ener (MWH)	<u>587,600</u>	<u>1,231,200</u>	<u>49,563,673</u>
19. Net Elec Ener (MWH)	<u>566,888</u>	<u>1,187,490</u>	<u>47,510,271</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>67.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>67.9</u>
22. Unit Cap Factor (MDC Net)	<u>98.4</u>	<u>97.9</u>	<u>63.2*</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>96.4</u>	<u>62.2*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>17.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,062.8</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



FEBRUARY 1986

* Item calculated with a Weighted Average

PAGE 2-196

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 2 *

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

* SUMMARY *

MILLSTONE 2 OPERATED AT NEAR FULL POWER DURING FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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 ELIC 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. SHEDLOSKEY
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 FEB 1986

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: 50-423 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: A. ELMS (203) 444-5388

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1253

6. Design Electrical Rating (Net MWe): 1156

7. Maximum Dependable Capacity (Gross MWe): 1156

8. Maximum Dependable Capacity (Net MWe): 1156

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>399.6</u>	<u>399.6</u>	<u>399.6</u>
13. Hours Reactor Critical	<u>174.1</u>	<u>174.1</u>	<u>174.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>143.5</u>	<u>143.5</u>	<u>143.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>179,659</u>	<u>179,659</u>	<u>179,659</u>
18. Gross Elec Ener (MWH)	<u>40,425</u>	<u>40,425</u>	<u>40,425</u>
19. Net Elec Ener (MWH)	<u>28,470</u>	<u>28,470</u>	<u>28,470</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>233.6</u>	<u>233.6</u>	<u>233.6</u>

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

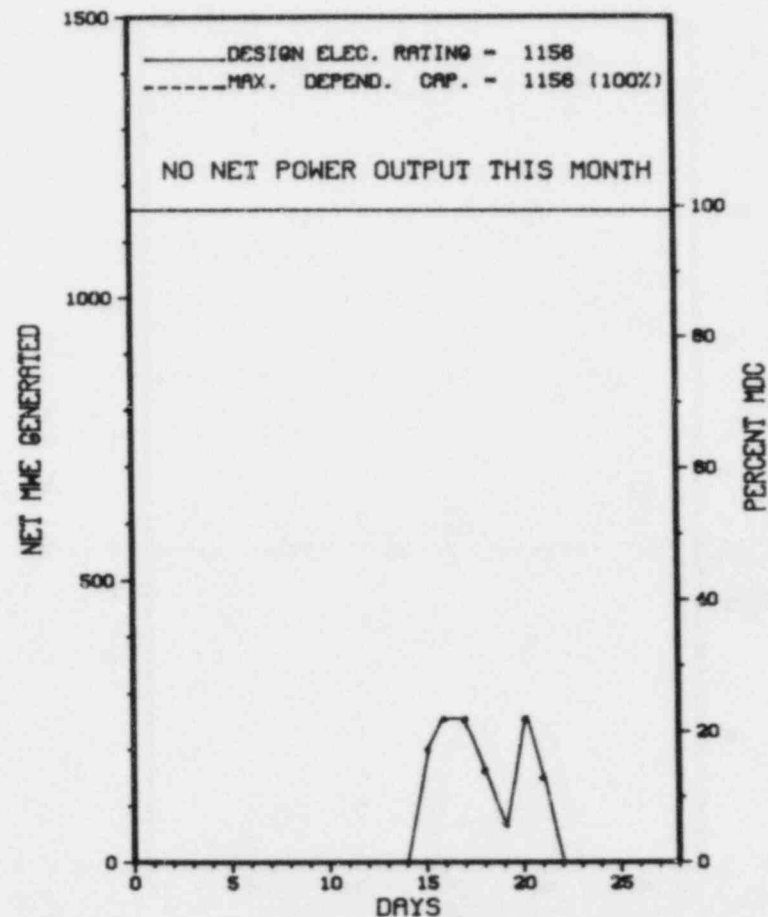
NONE

27. If Currently Shutdown Estimated Startup Date: 03/05/86

* MILLSTONE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 3



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-01	02/12/86	F	20.7	G	3	86-014-00	JB		LOW S/G LEVEL-GENERATOR PROGRAM WATER LEVEL SHORTED TO 0% - PERSONNEL ERROR.
86-02	02/13/86	F	35.5	H	3	86-016-00	JC		GENERAL WARNING CAUSE UNKNOWN.
86-03	02/15/86	S	1.3	B	9		TA	TRB	INITIAL PLANT STARTUP TESTING-TURBINE TRIP ONLY.
86-04	02/18/86	S	21.2	B	1		AC	RCT	INITIAL PLANT STARTUP TESTING.
86-05	02/21/86	F	177.4	B	1		SJ	SG	CLEAN S/G.

* SUMMARY *

MILLSTONE 3 GENERATED INITIAL ELECTRICITY ON FEBRUARY 12, 1986.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0151)
	F-Admin		
	G-Oper Error		
	H-Other		

* MILLSTONE 3 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT

COUNTY.....NEW LONDON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3.2 MI WSW OF
NEW LONDON CT.

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY... JANUARY 23, 1984

DATE ELEC ENER 1ST GENER... FEBRUARY 12, 1986

DATE COMMERCIAL OPERATE....*****

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....NIANTIC BAY

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.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. REBELOWSKI

LICENSING PROJ MANAGER.....E. DOOLITTLE
DOCKET NUMBER.....50-423

LICENSE & DATE ISSUANCE...NPF-49, JANUARY 31, 1986

PUBLIC DOCUMENT ROOM.....

ROUTE 156
WATERFORD, CONNECTICUT 06385

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

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

INSPECTION STATUS - (CONTINUED)

* MILLSTONE 3 *

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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INFO. NOT SUPPLIED BY REGION

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>128,569.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>99,494.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>97,449.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>961,234</u>	<u>2,138,417</u>	<u>156,431,927</u>
18. Gross Elec Ener (MWh)	<u>327,671</u>	<u>730,644</u>	<u>50,381,921</u>
19. Net Elec Ener (MWh)	<u>314,279</u>	<u>701,988</u>	<u>48,164,399</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>75.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>75.8</u>
22. Unit Cap Factor (MDC Net)	<u>87.3</u>	<u>92.5</u>	<u>69.9</u>
23. Unit Cap Factor (DER Net)	<u>85.8</u>	<u>91.0</u>	<u>68.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,335.0</u>

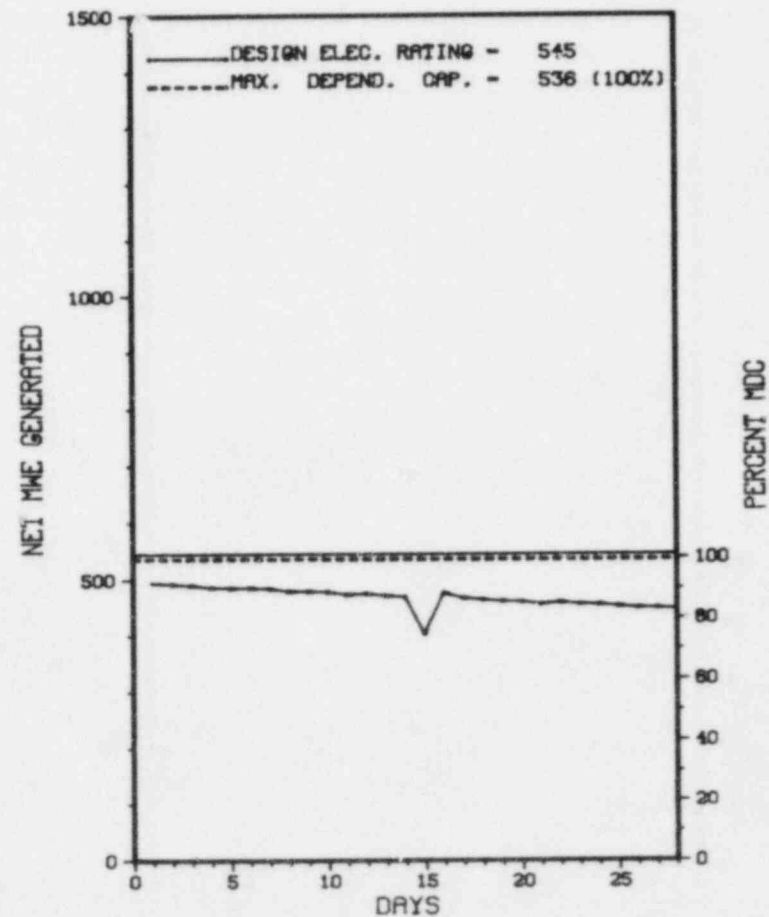
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
5/1/86 - 1986 REFUELING OUTAGE - 54 DAYS.

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

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

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

* SUMMARY *

MONTICELLO OPERATED ROUTINELY IN FEBRUARY 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)

* MONTICELLO *

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

Report Period FEB 1986

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

INSPECTION STATUS - (CONTINUED)

 * MONTICELLO *

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: JANUARY 21 - MARCH 3, 1986

INSPECTION REPORT NO: 86002

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-21	12/18/85	01/16/86	EFT ACTUATION DUE TO AMMONIA DETECTOR SPIKE

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>143,136.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,262.0</u>	<u>102,502.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,252.8</u>	<u>99,500.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>950,712</u>	<u>1,844,275</u>	<u>166,339,950</u>
18. Gross Elec Ener (MWH)	<u>314,009</u>	<u>611,057</u>	<u>55,080,513</u>
19. Net Elec Ener (MWH)	<u>301,797</u>	<u>587,934</u>	<u>53,350,261</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.5</u>	<u>69.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.5</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>73.6</u>	<u>68.1</u>	<u>61.1</u>
23. Unit Cap Factor (DER Net)	<u>72.4</u>	<u>67.0</u>	<u>60.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.5</u>	<u>15.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>163.2</u>	<u>13,539.7</u>

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

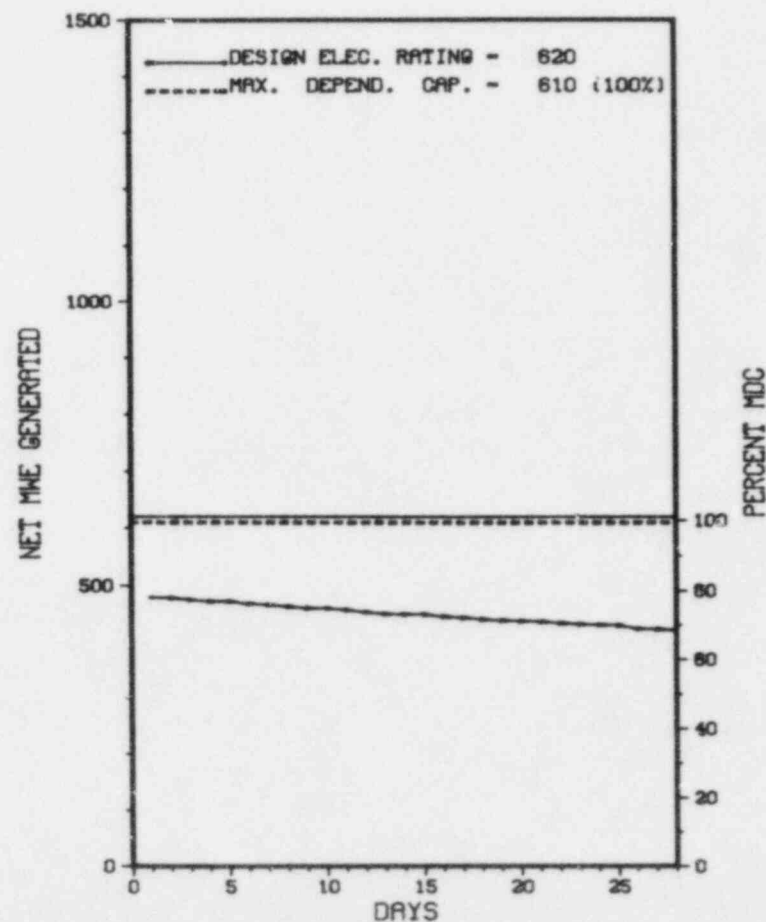
REFUEL OUTAGE: MARCH 1986 - DURATION: 14 WEEKS.

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

* NINE MILE POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

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

* SUMMARY *

NINE MILE POINT 1 OPERATED ROUTINELY IN FEBRUARY 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)

* NINE MILE POINT 1 *

FACILITY DATA

Report Period FEB 1986

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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period FEB 1986

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

* NINE MILE POINT 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

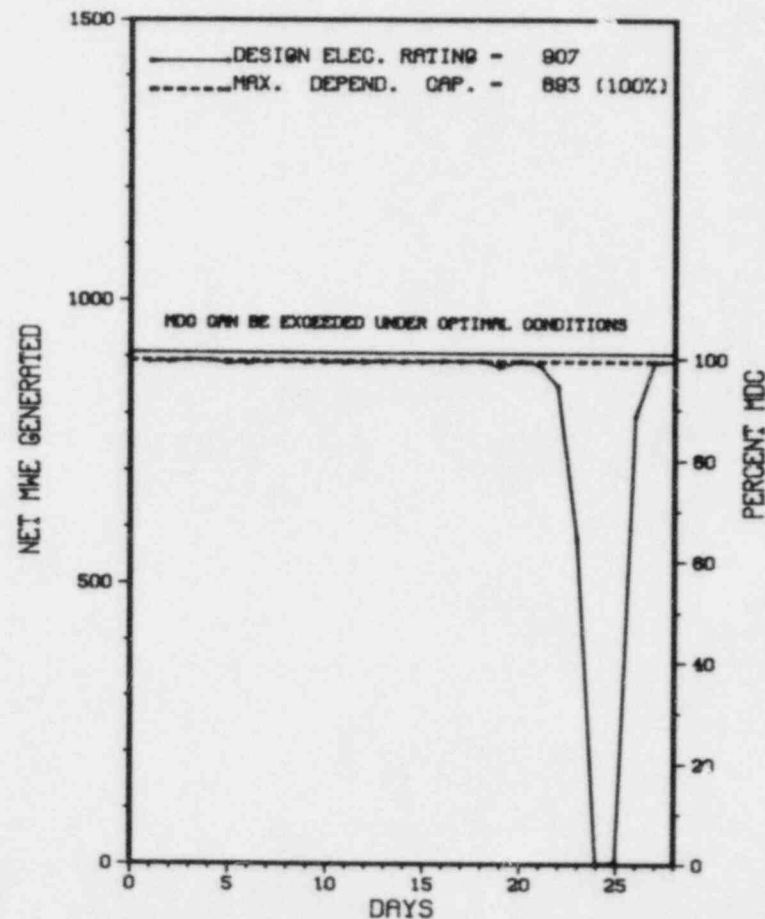
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>67,801.0</u>
13. Hours Reactor Critical	<u>642.0</u>	<u>995.1</u>	<u>46,280.9</u>
14. Rx Reserve Shtdwn Hrs	<u>30.0</u>	<u>420.9</u>	<u>4,427.5</u>
15. Hrs Generator On-Line	<u>616.5</u>	<u>962.6</u>	<u>44,874.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,703,397</u>	<u>2,514,123</u>	<u>117,490,675</u>
18. Gross Elec Ener (MWH)	<u>573,749</u>	<u>844,175</u>	<u>38,321,801</u>
19. Net Elec Ener (MWH)	<u>545,461</u>	<u>800,916</u>	<u>36,215,864</u>
20. Unit Service Factor	<u>91.7</u>	<u>68.0</u>	<u>66.2</u>
21. Unit Avail Factor	<u>91.7</u>	<u>68.0</u>	<u>66.2</u>
22. Unit Cap Factor (MDC Net)	<u>90.9</u>	<u>63.3</u>	<u>59.8</u>
23. Unit Cap Factor (DER Net)	<u>89.5</u>	<u>62.4</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>8.3</u>	<u>31.8</u>	<u>12.7</u>
25. Forced Outage Hours	<u>55.5</u>	<u>449.4</u>	<u>6,433.9</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 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
86-02	02/23/86	F	55.5	A	3	N1-86-02		ON FEBRUARY 23, 1986 AT 1540, REACTOR TRIP FROM 100% POWER, DUE TO "B" STEAM GENERATOR LO/LO LEVEL NARROW RANGE WHICH WAS CAUSED BY TURBINE GOVERNOR VALVES FAILING SHUT. THE EHC SYSTEM WAS REPAIRED AND UNIT RETURNED TO 100% POWER.

 * SUMMARY *

NORTH ANNA 1 OPERATED WITH 1 SHUTDOWN IN FEBRUARY 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)

* ANNA 1 *

FACILITY DATA

Report Period FEB 1986

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 OCTOBER 28 - NOVEMBER 1 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF MODIFICATION TO THE SERVICE WATER INTAKE STRUCTURE. FOUR EXAMPLES OF A VIOLATION OF LICENSEE REQUIREMENTS WERE IDENTIFIED - FAILURE TO CONTROL TEMPERATURE OF CONCRETE TEST CYLINDERS, FAILURE TO CONTROL MOISTURE CONTENT OF SELECT FILL, FAILURE TO MEET SPECIFIED TEST REQUIREMENTS FOR SLUMP, AIR, CONCRETE TEMPERATURE AND AGGREGATES, AND DOCUMENT CORRECT QUANTITIES OF CONCRETE MIX INGREDIENTS ON BATCH TICKETS, AND FAILURE TO HAVE A PROCEDURE WHICH IMPLEMENTS CURRENT SPECIFICATIONS.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF POST-REFUELING STARTUP TESTS AND MODERATOR COEFFICIENT MEASUREMENTS AT POWER. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF RADIATION PROTECTION INCLUDING TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY; CONTROL OF RADIOACTIVE MATERIALS, POSTING AND LABELING; INTERNAL EXPOSURE CONTROL AND ASSESSMENT; AND THE PROGRAM FOR MAINTAINING RADIATION EXPOSURE AS LOW AS REASONABLY ACHIEVABLE (ALARA). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

Report Period FEB 1986

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

* NORTH ANNA 1 *

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, AND DESIGN CHANGE 83-32 PROCEDURE USED THROUGH FIELD CHANGE NO. 36, DESIGN CHANGE 83-32 PROCEDURE WAS NOT APPROPRIATE FOR USE THROUGH FIELD CHANGE NO. 36, DATED OCTOBER 12, 1985, IN THAT IT CONTAINED CONFLICTING REQUIREMENTS, RESULTING IN IMPROPER INSTALLATION OF AN ASCO SOLENOID OPERATED VALVE, SOV-BD-100H. THE SOLENOID WAS MOUNTED AT AN APPROXIMATE 45 DEGREES ANGLE TO THE VERTICAL INSTEAD OF IN THE REQUIRED VERTICAL POSITION.
(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 6-10, 1986 +

INSPECTION REPORT NO: 50-338/86-02 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-023	12/16/85	01/15/86	INADVERTENT ECCS ACCUMULATOR INJECTION DURING COLD SHUTDOWN. ACCUMULATOR DISCHARGE VALVES WERE REENERGIZED AND THE VALVES AUTOMATICALLY OPENED DUE TO A FALSE SIGNAL.
85-025	12/19/85	01/14/86	PRESSURIZER PORV OPENS IN MODE 5 DURING RCS HEAT UP. THE OPERATOR CAUSED THE RCS PRESSURE TO EXCEED THE LIFT SETTING OF THE PRESSURIZER PORV.
85-027	12/24/85	01/16/86	REACTOR PROTECTION SYSTEM INSTRUMENTATION CHANNELS INOPERABLE. INOPERABILITY WAS DETERMINED TO BE CAUSED BY A CHANGE IN THE RESISTANCE TEMPERATURE DETECTOR.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>45,672.0</u>
13. Hours Reactor Critical	<u>470.6</u>	<u>1,214.6</u>	<u>35,531.9</u>
14. Rx Reserve Shtdwn Hrs	<u>201.4</u>	<u>201.4</u>	<u>2,773.5</u>
15. Hrs Generator On-Line	<u>470.3</u>	<u>1,214.3</u>	<u>34,646.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,148,578</u>	<u>3,196,529</u>	<u>90,345,918</u>
18. Gross Elec Ener (MWH)	<u>387,374</u>	<u>1,069,667</u>	<u>29,971,849</u>
19. Net Elec Ener (MWH)	<u>366,627</u>	<u>1,015,479</u>	<u>28,398,339</u>
20. Unit Service Factor	<u>70.0</u>	<u>85.8</u>	<u>75.9</u>
21. Unit Avail Factor	<u>70.0</u>	<u>85.8</u>	<u>75.9</u>
22. Unit Cap Factor (MDC Net)	<u>61.1</u>	<u>80.3</u>	<u>69.6</u>
23. Unit Cap Factor (DER Net)	<u>60.2</u>	<u>79.1</u>	<u>68.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,279.8</u>

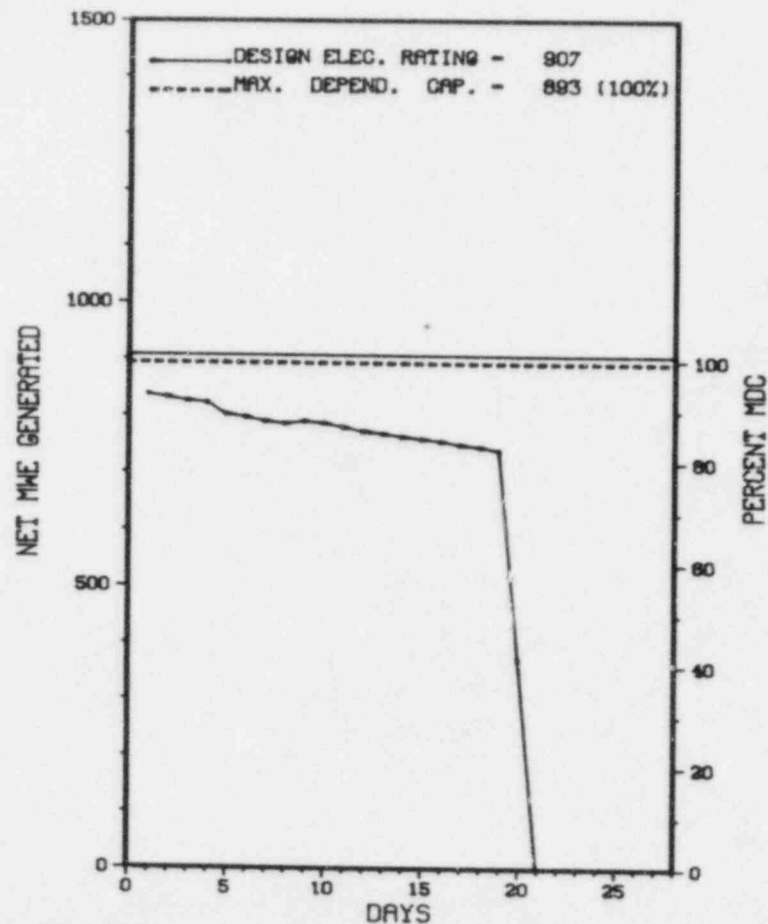
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 04/08/86

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-02	02/20/86	S	201.7	C	4	N2-86-02			COMMENCED RAMPDOWN TO 0% POWER FOR REFUELING OUTAGE. APPROXIMATELY TWENTY MINUTES AFTER UNIT WAS OFF LINE IN MODE 3 THE REACTOR TRIPPED DUE TO A SPIKE ON ONE OF THE SOURCE RANGE NEUTRON DETECTORS. BOTH SOURCE RANGE DETECTORS HAVE BEEN REPLACED.

 * SUMMARY *

NORTH ANNA BEGAN A REFUELING OUTAGE FEBRUARY 20.

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

* NORTH ANNA 2 *

FACILITY DATA

Report Period FEB 1986

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 OCTOBER 28 - NOVEMBER 1 (85-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF MODIFICATION TO THE SERVICE WATER INTAKE STRUCTURE. FOUR EXAMPLES OF A VIOLATION OF LICENSEE REQUIREMENTS WERE IDENTIFIED - FAILURE TO CONTROL TEMPERATURE OF CONCRETE TEST CYLINDERS, FAILURE TO CONTROL MOISTURE CONTENT OF SELECT FILL, FAILURE TO MEET SPECIFIED TEST REQUIREMENTS FOR SLUMP, AIR, CONCRETE TEMPERATURE AND AGGREGATES, AND DOCUMENT CORRECT QUANTITIES OF CONCRETE MIX INGREDIENTS ON BATCH TICKETS, AND FAILURE TO HAVE A PROCEDURE WHICH IMPLEMENTS CURRENT SPECIFICATIONS.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF POST-REFUELING STARTUP TESTS AND MODERATOR COEFFICIENT MEASUREMENTS AT POWER. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 21 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF RADIATION PROTECTION INCLUDING TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY; CONTROL OF RADIOACTIVE MATERIALS, POSTING AND LABELING; INTERNAL EXPOSURE CONTROL AND ASSESSMENT; AND THE PROGRAM FOR MAINTAINING RADIATION EXPOSURE AS LOW AS REASONABLY ACHIEVABLE (ALARA). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period FEB 1986

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

* NORTH ANNA 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ DIESEL GENERATOR RELIABILITY PROBLEM - LICENSEE IS INVESTIGATING.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ REFUELING OUTAGE COMMENCED 2-20-86. ALSO, INSPECTION OF STEAM GENERATORS IS PLANNED.

* LAST IE SITE INSPECTION DATE: JANUARY 6-10, 1986 +

INSPECTION REPORT NO: 50-339/86-02 +

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

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

85-011	09/12/85	11/25/85	NOBLE GAS HIGH RANGE EFFLUENT MONITORS INOPERABLE. THE MICROPROCESSOR KEYBOARD WOULD NOT FUNCTION.
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

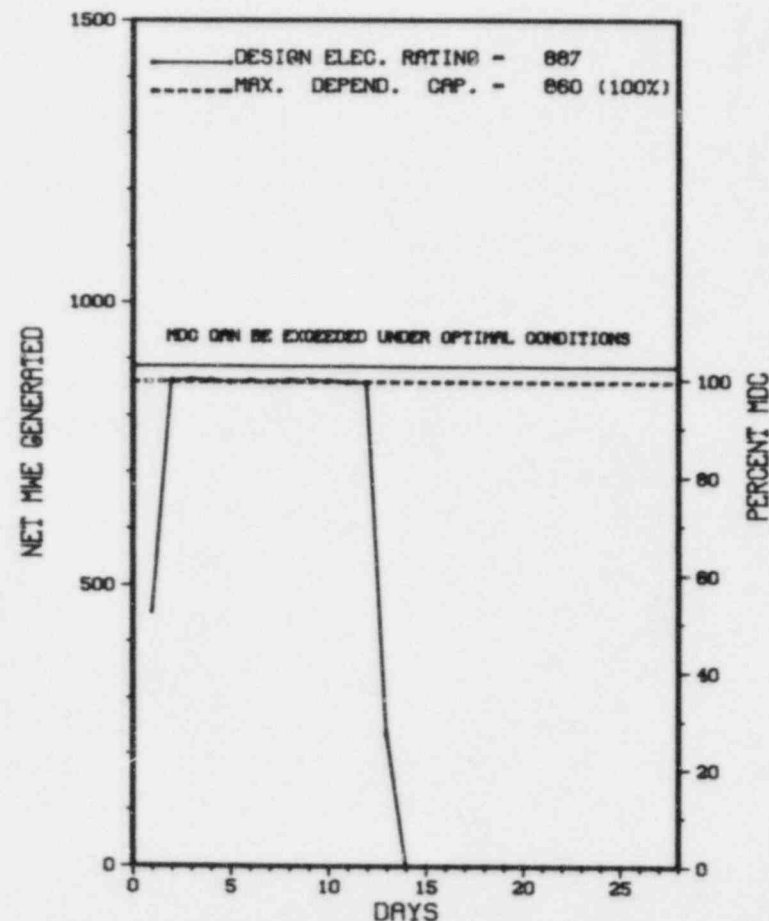
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>110,665.0</u>
13. Hours Reactor Critical	<u>300.8</u>	<u>1,040.7</u>	<u>81,487.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>293.7</u>	<u>1,029.5</u>	<u>78,159.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>734,654</u>	<u>2,624,291</u>	<u>188,924,491</u>
18. Gross Elec Ener (MWH)	<u>255,490</u>	<u>914,950</u>	<u>65,661,790</u>
19. Net Elec Ener (MWH)	<u>241,515</u>	<u>872,234</u>	<u>62,270,483</u>
20. Unit Service Factor	<u>43.7</u>	<u>72.7</u>	<u>70.6</u>
21. Unit Avail Factor	<u>43.7</u>	<u>72.7</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>41.8</u>	<u>71.6</u>	<u>65.3*</u>
23. Unit Cap Factor (DER Net)	<u>40.5</u>	<u>69.4</u>	<u>63.5*</u>
24. Unit Forced Outage Rate	<u>1.1</u>	<u>1.1</u>	<u>14.7</u>
25. Forced Outage Hours	<u>3.4</u>	<u>11.6</u>	<u>12,551.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 04/28/86

* OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



FEBRUARY 1986

* Item calculated with a Weighted Average

PAGE 2-220

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/01/86	F	3.4	A	3		EA	CKTBRK	REACTOR TRIP DUE TO MALFUNCTION OF SWITCHYARD BREAKER.
4-P	02/01/86	F	0.0	F	5		RC	FUELXX	QUADRANT POWER TILT EXCEEDED STEADY STATE LIMIT.
5-P	02/01/86	F	0.0	B	5		HH	PUMPXX	HOLDING POWER TO PUT ON (D) HEATER DRAIN PUMPS.
6-P	02/01/86	F	0.0	B	5		HH	PUMPXX	PUT (D) HEATER DRAIN PUMPS IN SERVICE.
7-P	02/01/86	F	0.0	A	5		CH	PUMPXX	HAD DIFFICULTY PLACING (1A) FEEDWATER PUMP IN AUTO.
8-P	02/01/86	F	0.0	F	5		RB	ZZZZZZ	APPROACHING ROD WITHDRAWAL CURVES LIMITS.
9-P	02/01/86	F	0.0	H	5		RC	FUELXX	HIGH AXIAL IMBALANCE PROBLEM.
10-P	02/12/86	S	0.0	B	5		RB	ZZZZZZ	PERFORM MODERATOR TEMPERATURE PERFORMANCE TEST.
2	02/13/86	S	374.9	C	1		RC	FUELXX	END OF CYCLE 9 REFUELING OUTAGE.

* SUMMARY *

OCONEE 1 EXPERIENCED 2 OUTAGES AND SEVERAL POWER REDUCTIONS IN FEBRUARY.

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

* OCONEE 1 *

FACILITY DATA

Report Period FEB 1986

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 DECEMBER 10 - JANUARY 13, 1986 (85-41): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 74 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, FACILITY MODIFICATIONS, LER REVIEW, AND RESPONSE TO THE RANCHO SECO EVENT. OF THE SIX AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO ITEMS OF NONCOMPLIANCE WERE FOUND IN TWO AREAS; FAILURE TO FOLLOW EXEMPT CHANGE PROCEDURE AND FAILURE TO SHUT DOWN REACTOR WITHIN 24 HOURS OF DISCOVERY OF EXCESS LEAKAGE.

INSPECTION DECEMBER 16-20 (85-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING THE RADIATION PROTECTION PROGRAM INCLUDING TRAINING AND QUALIFICATION OF PERSONNEL, INTERNAL AND EXTERNAL EXPOSURE CONTROL, RADIOACTIVE MATERIAL CONTROL, POSTING AND LABELING, AND THE PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). ONE VIOLATION FOR FAILURE TO PROVIDE POSITIVE ACCESS CONTROL FOR TWO HIGH RADIATION AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X                OCONEE 1                X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 10, 1985 - JANUARY 13, 1986 +

INSPECTION REPORT NO: 50-269/85-41 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE.

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

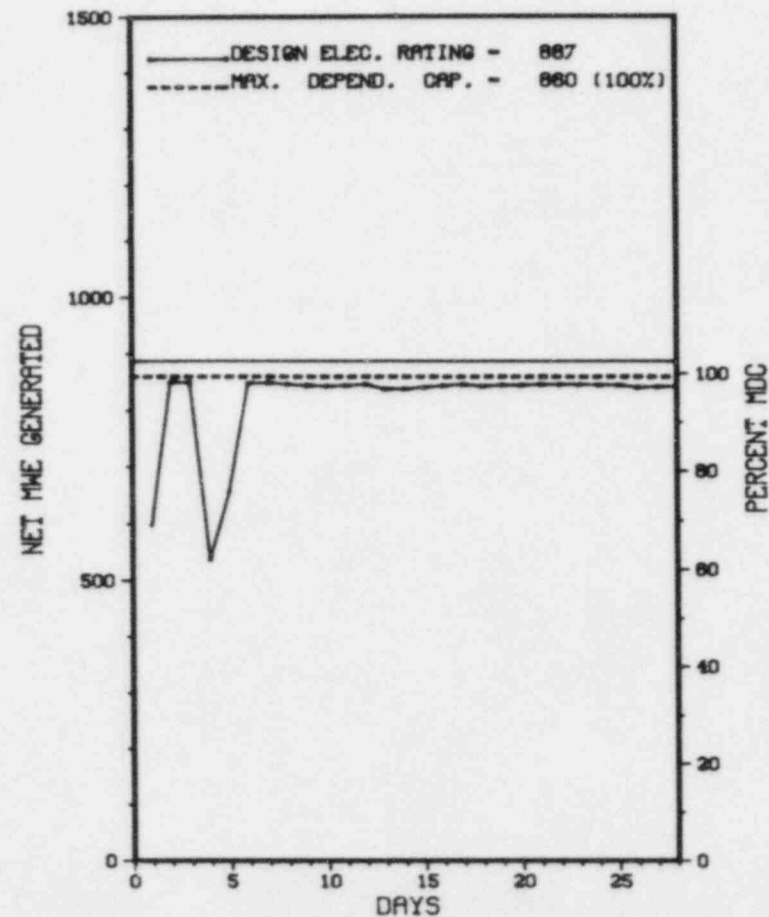
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>100,585.0</u>
13. Hours Reactor Critical	<u>667.2</u>	<u>1,408.0</u>	<u>74,246.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>663.4</u>	<u>1,394.9</u>	<u>72,996.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,675,774</u>	<u>3,559,248</u>	<u>173,963,150</u>
18. Gross Elec Ener (MWH)	<u>574,360</u>	<u>1,219,190</u>	<u>59,271,531</u>
19. Net Elec Ener (MWH)	<u>549,664</u>	<u>1,167,218</u>	<u>56,334,779</u>
20. Unit Service Factor	<u>98.7</u>	<u>98.5</u>	<u>72.6</u>
21. Unit Avail Factor	<u>98.7</u>	<u>98.5</u>	<u>72.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.1</u>	<u>95.8</u>	<u>65.0*</u>
23. Unit Cap Factor (DER Net)	<u>92.2</u>	<u>92.9</u>	<u>63.2*</u>
24. Unit Forced Outage Rate	<u>1.3</u>	<u>1.5</u>	<u>13.6</u>
25. Forced Outage Hours	<u>8.6</u>	<u>21.1</u>	<u>10,694.9</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



FEBRUARY 1986

* Item calculated with a Weighted Average

PAGE 2-224

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/01/86	F	0.1	A	3		EA	CKTBRK	GENERATOR BREAKER MALFUNCTION DURING TRANSMISSIONS TEST.
2-P	02/01/86	F	0.0	B	5		HG	ZZZZZZ	HIGH CONDENSATE FLOW WITH ONLY 3 POWDEX CELLS AVAILABLE.
3-P	02/01/86	F	0.0	B	5		HG	ZZZZZZ	LIMITED BY CONDENSATE FLOW WITH 3 POWDEX CELLS.
4-P	02/01/86	F	0.0	B	5		HG	ZZZZZZ	LIMITED BY CONDENSATE FLOW THROUGH 4 POWDEX CELLS.
2	02/04/86	F	8.5	A	3		IA	INSTRU	REACTOR TRIP DURING REACTOR PROTECTION SYSTEM TESTING.
5-P	02/05/86	F	0.0	H	5		HH	ZZZZZZ	STOPPED REACTOR POWER INCREASE DUE TO FEEDWATER SWINGS.
6-P	02/05/86	F	0.0	H	5		RB	FUELXX	STOPPED REACTOR POWER INCREASE DUE TO IMBALANCE.
7-P	02/18/86	F	0.0	A	5		RB	INSTRU	ASSYMETRIC ROD RUNBACK CIRCUITRY PROBLEM.
8-P	02/18/86	F	0.0	A	5		RB	INSTRU	ASSYMETRIC ROD RUNBACK CIRCUITRY PROBLEM.
9-P	02/18/86	F	0.0	A	5		RB	INSTRU	ASSYMETRIC ROD RUNBACK CIRCUITRY PROBLEM.

9

 * SUMMARY *

 OCONEE 2 OPERATED IN FEBRUARY WITH 2 SHUTDOWNS AND SEVERAL POWER REDUCTIONS.

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

* OCONEE 2 *

FACILITY DATA

Report Period FEB 1986

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 DECEMBER 10 - JANUARY 13, 1986 (85-41): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, FACILITY MODIFICATIONS, LER REVIEW, AND RESPONSE TO THE RANCHO SECO EVENT. OF THE SIX AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO ITEMS OF NONCOMPLIANCE WERE FOUND IN TWO AREAS; FAILURE TO FOLLOW EXEMPT CHANGE PROCEDURE AND FAILURE TO SHUT DOWN REACTOR WITHIN 24 HOURS OF DISCOVERY OF EXCESS LEAKAGE.

INSPECTION DECEMBER 16-20 (85-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING THE RADIATION PROTECTION PROGRAM INCLUDING TRAINING AND QUALIFICATION OF PERSONNEL, INTERNAL AND EXTERNAL EXPOSURE CONTROL, RADIOACTIVE MATERIAL CONTROL, POSTING AND LABELING, AND THE PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). ONE VIOLATION FOR FAILURE TO PROVIDE POSITIVE ACCESS CONTROL FOR TWO HIGH RADIATION AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

NONE.

NONE.

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 10, 1985 - JANUARY 13, 1986 +

INSPECTION REPORT NO: 50-270/85-41 +

REPORTS FROM LICENSEE

PAGE 2-227

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

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):

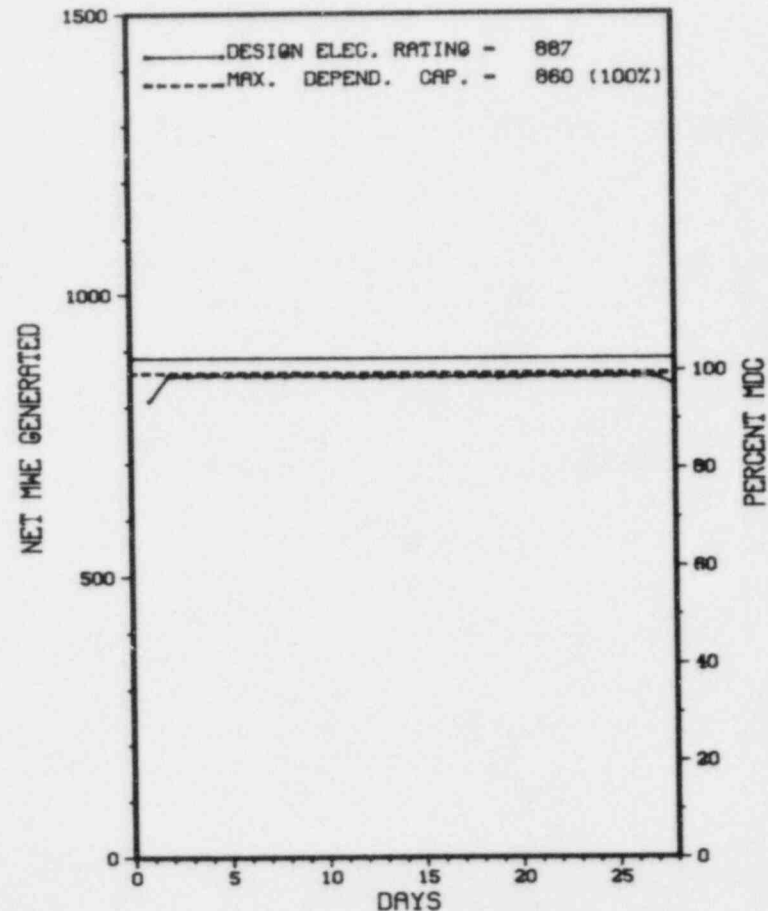
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>98,232.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,412.8</u>	<u>70,784.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,392.3</u>	<u>69,525.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,725,080</u>	<u>3,540,142</u>	<u>170,208,587</u>
18. Gross Elec Ener (MWH)	<u>596,900</u>	<u>1,229,830</u>	<u>58,757,884</u>
19. Net Elec Ener (MWH)	<u>572,832</u>	<u>1,179,189</u>	<u>55,958,546</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.3</u>	<u>70.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.3</u>	<u>70.8</u>
22. Unit Cap Factor (MDC Net)	<u>99.1</u>	<u>96.8</u>	<u>66.1*</u>
23. Unit Cap Factor (DER Net)	<u>96.1</u>	<u>93.9</u>	<u>64.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.7</u>	<u>14.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>23.7</u>	<u>11,789.1</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>		

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3-P	02/01/86	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER HOLD.
4-P	02/28/86	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT PT'S.

 * SUMMARY *

OCONEE 3 OPERATED ROUTINELY IN FEBRUARY.

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 FEB 1986

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 DECEMBER 10 - JANUARY 13, 1986 (85-41): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, FACILITY MODIFICATIONS, LER REVIEW, AND RESPONSE TO THE RANCHO SECO EVENT. OF THE SIX AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; TWO ITEMS OF NONCOMPLIANCE WERE FOUND IN TWO AREAS; FAILURE TO FOLLOW EXEMPT CHANGE PROCEDURE AND FAILURE TO SHUT DOWN REACTOR WITHIN 24 HOURS OF DISCOVERY OF EXCESS LEAKAGE.

INSPECTION DECEMBER 16-20 (85-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING THE RADIATION PROTECTION PROGRAM INCLUDING TRAINING AND QUALIFICATION OF PERSONNEL, INTERNAL AND EXTERNAL EXPOSURE CONTROL, RADIOACTIVE MATERIAL CONTROL, POSTING AND LABELING, AND THE PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). ONE VIOLATION FOR FAILURE TO PROVIDE POSITIVE ACCESS CONTROL FOR TWO HIGH RADIATION AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NONE.

NONE.

NONE.

POWER OPERATION.

INSPECTION REPORT NO: 50-287/85-41 +

REPORTS FROM LICENSEE

PAGE 2-231

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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): _____

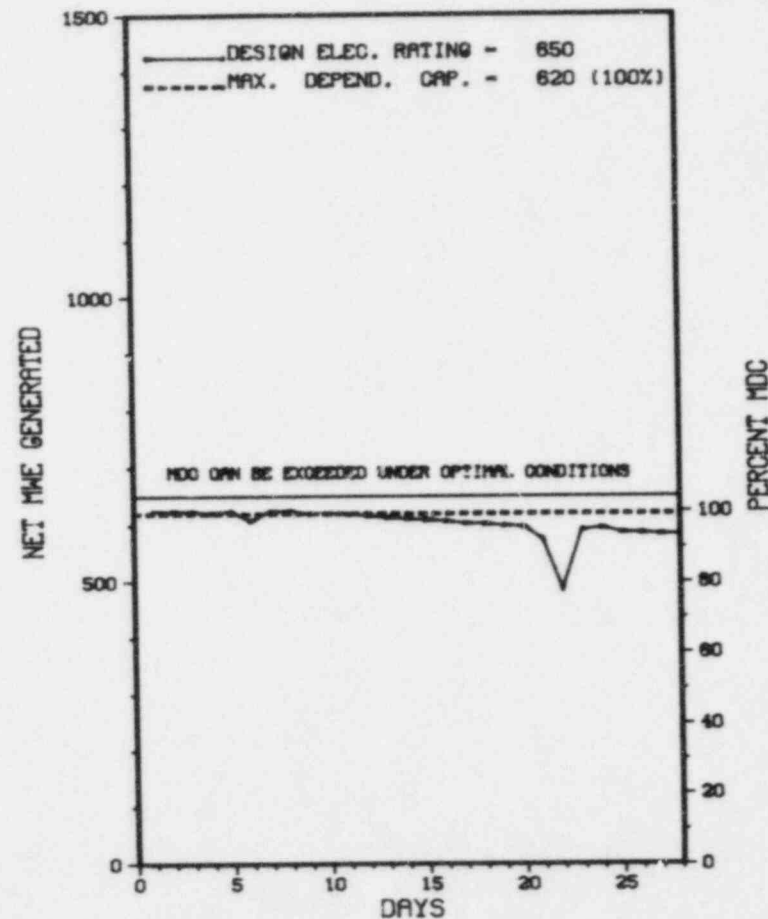
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>141,888.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>94,558.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>759.5</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>91,474.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,308.6</u>
17. Gross Therm Ener (MWH)	<u>1,242,000</u>	<u>2,648,000</u>	<u>151,602,000</u>
18. Gross Elec Ener (MWH)	<u>420,780</u>	<u>899,170</u>	<u>51,189,855</u>
19. Net Elec Ener (MWH)	<u>405,019</u>	<u>865,876</u>	<u>49,176,369</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>64.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>65.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.2</u>	<u>98.6</u>	<u>55.9*</u>
23. Unit Cap Factor (DER Net)	<u>92.7</u>	<u>94.1</u>	<u>53.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,905.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING, APRIL 12, 1986, 6 MONTHS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
	02/21/86	F	0.0	A	5			FEB. 12: REDUCED PLANT LOAD FROM 620 MWE TO 473 MWE (23.7% LOAD REDUCTION) TO REPAIR A TUBE LEAK IN "A" NORTH CONDENSER.

 * SUMMARY *

 OYSTER CREEK 1 OPERATED ROUTINELY IN FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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 FEB 1986

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

* OYSTER CREEK 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (MWt): 2530

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

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 770

8. Maximum Dependable Capacity (Net MWe): 730

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

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

11. Reasons for Restrictions, If Any: _____
NONE

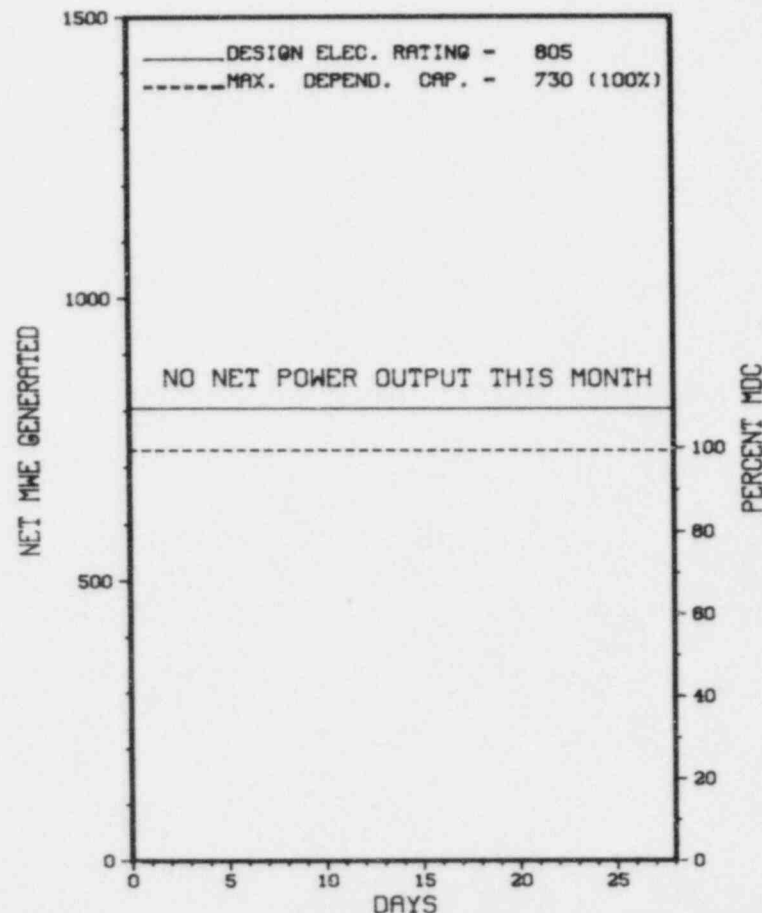
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>124,455.0</u>
13. Hours Reactor Critical	<u>8.9</u>	<u>8.9</u>	<u>68,309.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>64,959.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>135,602,040</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>42,217,400</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>39,741,360</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>52.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>52.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>43.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>39.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>31.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>15,556.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 03/03/86

 * PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	11/30/85	S	672.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

 * SUMMARY *

PALISADES REMAINS SHUT DOWN FOR REFUELING.

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

* PALISADES *

FACILITY DATA

Report Period FEB 1986

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 NOVEMBER 19 THROUGH DECEMBER 23 (85030): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; ENGINEERED SAFETY FEATURES WALKDOWN; REPORTABLE EVENTS; HEADQUARTERS REQUESTS AND REGIONAL REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 186 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 35 INSPECTOR-HOURS ON SITE DURING OFF-SHIFTS. OF THE AREAS INSPECTED ONE VIOLATION WAS IDENTIFIED FOR LATE REPORTING OF THE IDENTIFICATION OF DEGRADATION OF CONTAINMENT INTEGRITY DURING LOCAL LEAKRATE TESTING.

INSPECTION ON DECEMBER 3-5 AND 16-20 (85031): ROUTINE ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, REACTOR COOLANT SYSTEM LEAK RATE TESTING, REFUELING PREPARATIONS, REFUELING ACTIVITIES, SPENT FUEL POOL ACTIVITIES, AND LICENSEE ACTIONS REGARDING IE BULLETIN 84-03. THE INSPECTION INVOLVED A TOTAL OF 57 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. THE INSPECTION WAS CONDUCTED IN ACCORDANCE WITH INSPECTION PROCEDURES 61728, 92701, 60705, 60710, 86700, 92703, AND 30703. IN THE FIVE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES).

INSPECTION ON DECEMBER 16-19 (85033): SPECIAL, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; NOTIFICATIONS AND COMMUNICATIONS; AND TRAINING RELATED TO THE LICENSEE'S COMMITMENTS TO IMPROVE THEIR EMERGENCY PREPAREDNESS PROGRAM, PARTICULARLY THOSE AREAS DEFINED AS A RESULT OF THE AUGUST 20, 1985 ANNUAL EMERGENCY EXERCISE. THE INSPECTION INVOLVED 73 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED AS A RESULT OF THIS INSPECTION.

Report Period FEB 1986

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

* PALISADES *

ENFORCEMENT SUMMARY

10 CFR 50.72 (B)(2)(I) REQUIRES REPORTING WITHIN FOUR HOURS, AN EVENT DISCOVERED DURING PLANT SHUTDOWN CONDITIONS, WHICH HAD IT BEEN FOUND DURING REACTOR OPERATION, WOULD HAVE CONSTITUTED SERIOUS DEGRADATION OF PRINCIPAL SAFETY BARRIERS. TECHNICAL SPECIFICATION 4.5.2 REQUIRES CONTAINMENT LOCAL LEAKRATES TO BE LESS THAN 0.6LA (65,200 SCCM). CONTRARY TO THE ABOVE, TESTING PERFORMED ON DECEMBER 4, 1985, DETERMINED THAT THE LOCAL LEAKRATE FOR A CONTAINMENT PENETRATION (78,913 SCCM) EXCEEDED 0.60LA, THE ALLOWABLE LEAKAGE VALUE, AND THIS WAS NOT REPORTED TO THE NRC UNTIL DECEMBER 16, 1985.
(8503 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ENTERED A REFUELING OUTAGE ON 11/30/85.

LAST IE SITE INSPECTION DATE: JANUARY 26 - 28, 1986

INSPECTION REPORT NO: 86009

Report Period FEB 1986

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

* PALISADES *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
-----
85-27     12/05/85    01/03/86   TERMINAL BLOCK IN RPS CIRCUIT
85-28     12/10/85    01/09/86   SAFETY INJECTION SYSTEM ACTUATION
85-29     12/16/85    01/15/86   FAILED LOCAL LEAK RATE TEST ON CONTAINMENT PENETRATION
85-30     12/23/85    01/22/86   INADVERTENT CONTAINMENT ISOLATION ACTUATION
85-31     12/28/85    01/27/86   AUTO START OF 1-2 DIESEL GENERATOR
86-01     01/06/86    01/27/86   RADIOACTIVE WASTE SHIPMENT
86-02     01/02/86    02/03/86   MISSILE SHIELD LIFT DEVICE OUTSIDE SAFE WORKING LOAD REQUIREMENT
=====
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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: 02/01/86 Outage + On-line Hrs: 384.0

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

4. Licensed Thermal Power (MWt): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1282

8. Maximum Dependable Capacity (Net MWe): 1200

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>384.0</u>	<u>384.0</u>	<u>384.0</u>
13. Hours Reactor Critical	<u>384.0</u>	<u>384.0</u>	<u>384.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>384.0</u>	<u>384.0</u>	<u>384.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,446,400</u>	<u>1,446,400</u>	<u>1,446,400</u>
18. Gross Elec Ener (MWH)	<u>499,700</u>	<u>499,700</u>	<u>499,700</u>
19. Net Elec Ener (MWH)	<u>470,464</u>	<u>470,464</u>	<u>470,464</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>102.1</u>	<u>102.1</u>
23. Unit Cap Factor (DER Net)	<u>96.5</u>	<u>96.5</u>	<u>96.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>.0</u>

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

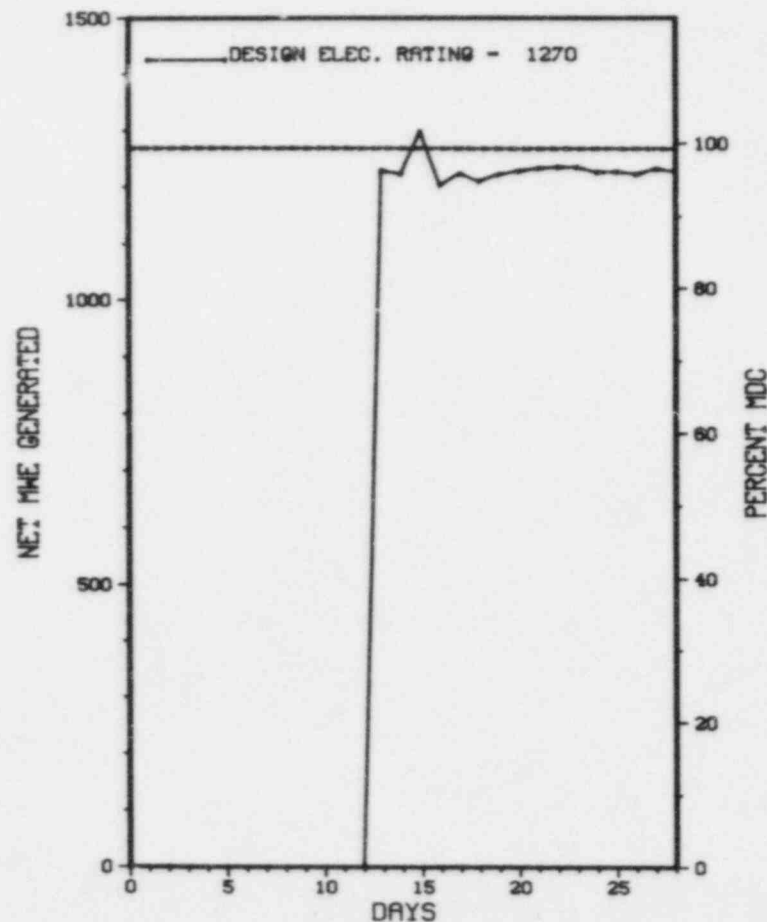
SURV. TEST OUTAGE - 3/86, 49 DAYS.

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

* PALO VERDE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* PALO VERDE 1 *

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

* SUMMARY *

PALO VERDE DECLARED COMMERCIAL OPERATION ON FEBRUARY 13, 1986.

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

INSPECTION STATUS - (CONTINUED)

 * PALO VERDE 1 *

NONE

SYSTEMS AND COMPONENT PROBLEMS:

MICROBIOLOGICAL INDUCED CORROSION ISSUE IN SPRAY POND IS BEING RESOLVED BY NRR. AUXILIARY SPRAY SYSTEM SAFETY GRADE ISSUE IS BEING RESOLVED BY NRR.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

ANNUAL SALP BOARD MEETING HELD ON NOVEMBER 14, 1985; SALP REPORT TRANSMITTED TO THE LICENSEE ON DECEMBER 19, 1985.

PLANT STATUS:

THE PLANT ACHIEVED INITIAL CRITICALITY ON MAY 25, 1985. THE PLANT ACHIEVED 100% POWER ON DECEMBER 9, 1985. POWER ASCENSION TEST IS COMPLETED. COMMERCIAL OPERATION WAS DECLARED ON FEBRUARY 13, 1986.

LAST IE SITE INSPECTION DATE: 02/03-03/09/86+

INSPECTION REPORT NO: 50-528/86-05+

REPORTS FROM LICENSEE

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

NONE

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (HWT): 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):
NONE

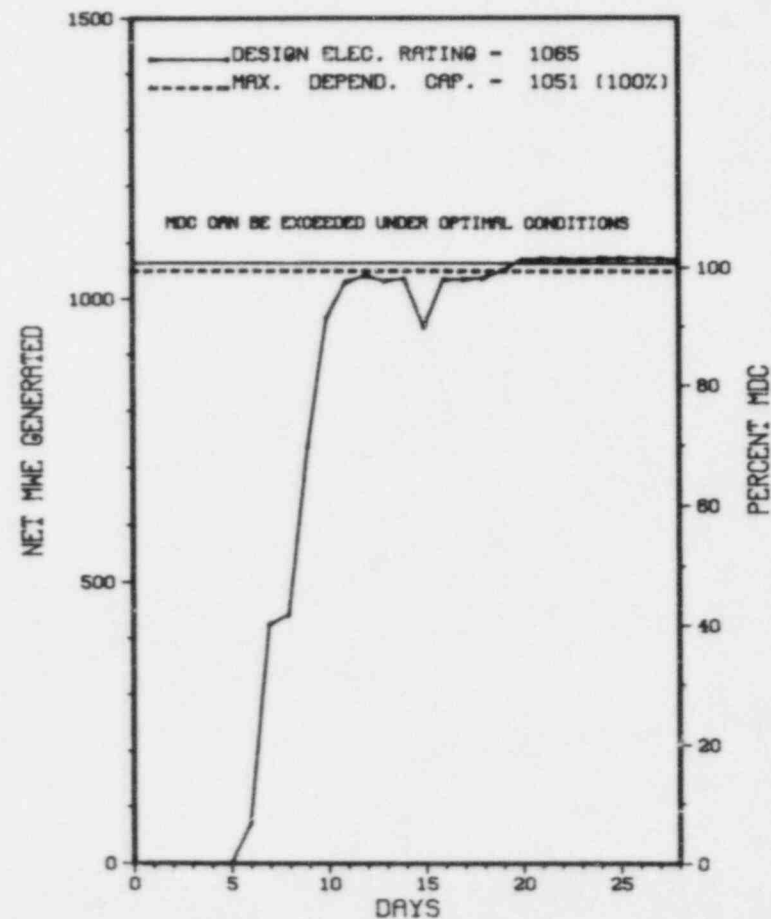
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>102,168.0</u>
13. Hours Reactor Critical	<u>547.2</u>	<u>985.7</u>	<u>66,179.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>533.7</u>	<u>944.8</u>	<u>64,073.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,628,671</u>	<u>2,670,312</u>	<u>188,936,827</u>
18. Gross Elec Ener (MWH)	<u>534,180</u>	<u>869,150</u>	<u>62,082,110</u>
19. Net Elec Ener (MWH)	<u>516,156</u>	<u>837,067</u>	<u>59,429,362</u>
20. Unit Service Factor	<u>79.4</u>	<u>66.7</u>	<u>62.7</u>
21. Unit Avail Factor	<u>79.4</u>	<u>66.7</u>	<u>62.7</u>
22. Unit Cap Factor (MDC Net)	<u>73.1</u>	<u>56.2</u>	<u>55.3</u>
23. Unit Cap Factor (DER Net)	<u>72.1</u>	<u>55.5</u>	<u>54.6</u>
24. Unit Forced Outage Rate	<u>20.6</u>	<u>27.0</u>	<u>13.2</u>
25. Forced Outage Hours	<u>138.3</u>	<u>349.6</u>	<u>9,762.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	02/01/86	F	138.3	A	3	2-86-3	EE	ENGINE	DIESEL INOPERABLE. SCRAM FROM 96% POWER DUE TO THE CLOSURE OF TWO MSIVS, CONICIDENT WITH THE FAILURE OF THE E-2 DIESEL GENERATOR.
10	02/15/86	S	0.0	B	5		RC	ZZZZZ	LOAD REDUCTION TO 760 MWE FOR CONTROL ROD PATTERN ADJUSTMENT.

* SUMMARY *

PEACH BOTTOM 2 OPERATED WITH 1 OUTAGE IN FEBRUARY AS DESCRIBED ABOVE.

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

* PEACH BOTTOM 2 *

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

Report Period FEB 1986

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):

Report Period FEB 1986

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

* PEACH BOTTOM 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

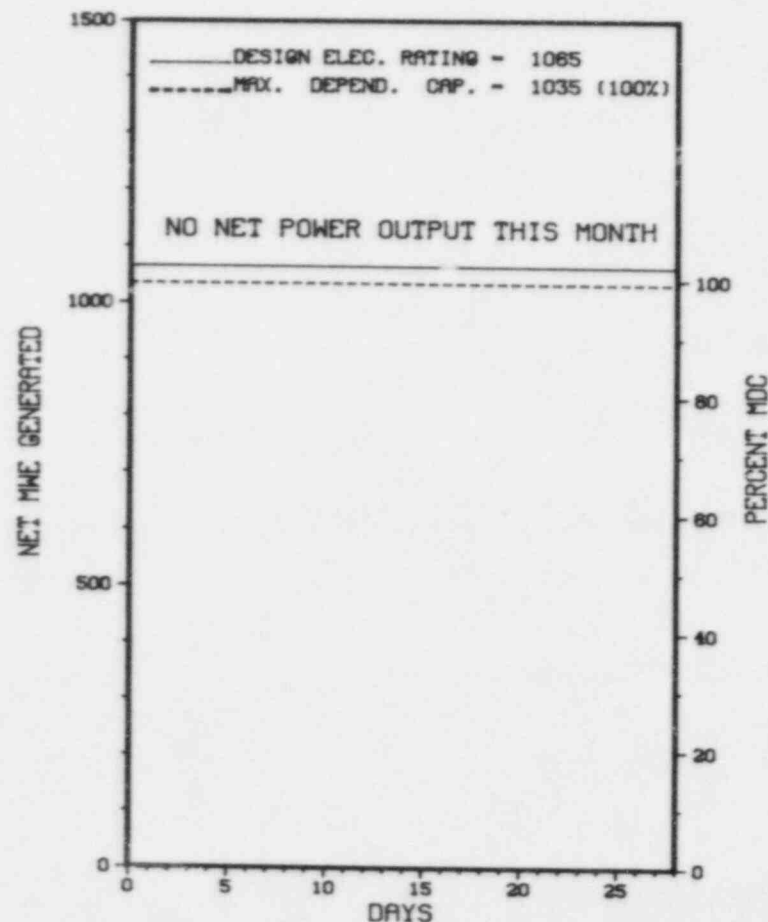
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>98,064.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</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>.0</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>0</u>	<u>194,996,664</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>63,993,670</u>
19. Net Elec Ener (MWH)	<u>-4,141</u>	<u>-9,484</u>	<u>61,383,257</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>68.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>68.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>60.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>58.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,126.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>03/02/86</u>			

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PEACH BOTTOM 3



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	07/14/85	S	672.0	C	4		RC	FUELXX	SHUTDOWN FOR SIXTH REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

PEACH BOTTOM 3 WAS SHUTDOWN FOR REFUELING DURING ALL OF FEBRUARY.

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 FEB 1986

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 FEB 1986

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

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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: 50-293 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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: NONE

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>115,920.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,327.5</u>	<u>79,390.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,301.0</u>	<u>76,871.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,317,696</u>	<u>2,509,104</u>	<u>134,894,736</u>
18. Gross Elec Ener (MWH)	<u>456,850</u>	<u>868,810</u>	<u>45,245,414</u>
19. Net Elec Ener (MWH)	<u>439,790</u>	<u>836,230</u>	<u>43,484,128</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.9</u>	<u>66.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.9</u>	<u>66.3</u>
22. Unit Cap Factor (MDC Net)	<u>97.7</u>	<u>88.1</u>	<u>56.0</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>90.2</u>	<u>57.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.9</u>	<u>9.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>52.5</u>	<u>7,596.7</u>

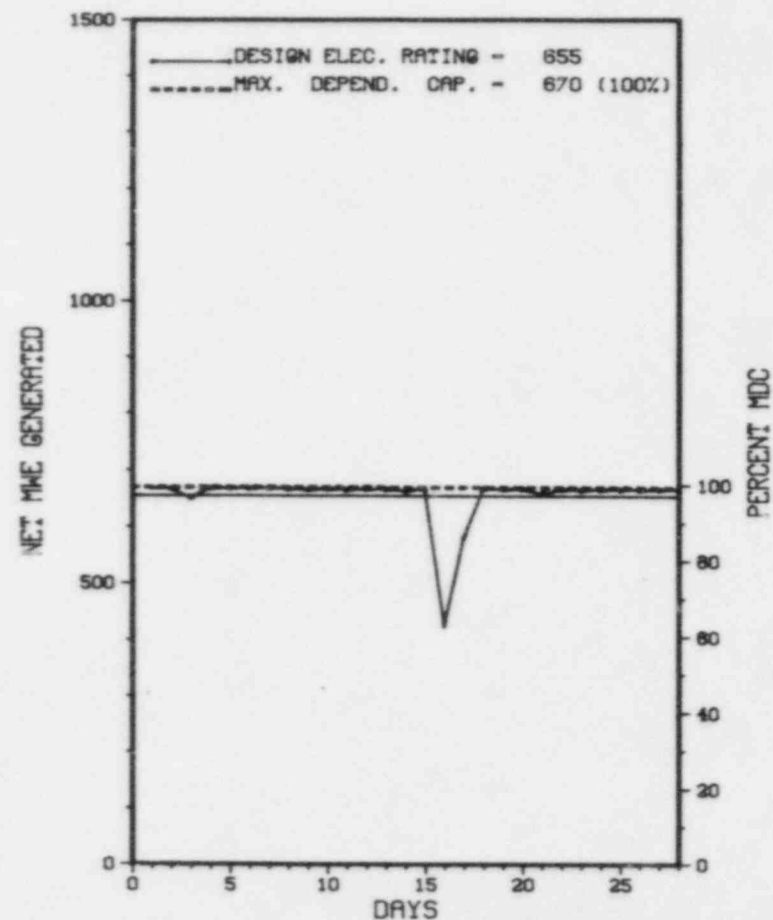
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): NONE

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

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
09	02/16/86	S	0.0	B	5			REDUCED POWER FOR CONDENSER BACKWASH AND CONTROL ROD PATTERN CHANGE.

* SUMMARY *

PILGRIM 1 OPERATED ROUTINELY IN FEBRUARY.

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

* PILGRIM 1 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....PLYMOUTH
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 16, 1972
DATE ELEC ENER 1ST GENER...JULY 19, 1972
DATE COMMERCIAL OPERATE...DECEMBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE COD BAY
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BOSTON EDISON
CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....M. MCBRIDE
LICENSING PROJ MANAGER....P. LEECH
DOCKET NUMBER.....50-293
LICENSE & DATE ISSUANCE....DPR-35, SEPTEMBER 15, 1972
PUBLIC DOCUMENT ROOM.....PLYMOUTH PUBLIC LIBRARY
11 NORTH STREET
PLYMOUTH, MASSACHUSETTS 02360

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

INSPECTION STATUS - (CONTINUED)

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>134,256.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>108,889.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>634.4</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>106,322.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>804.0</u>
17. Gross Therm Ener (MWH)	<u>1,003,299</u>	<u>2,128,131</u>	<u>145,296,075</u>
18. Gross Elec Ener (MWH)	<u>343,080</u>	<u>727,390</u>	<u>48,879,070</u>
19. Net Elec Ener (MWH)	<u>329,186</u>	<u>698,074</u>	<u>46,529,340</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>79.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>79.8</u>
22. Unit Cap Factor (MDC Net)	<u>101.0</u>	<u>101.6</u>	<u>70.9*</u>
23. Unit Cap Factor (DER Net)	<u>98.6</u>	<u>99.2</u>	<u>69.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,413.4</u>

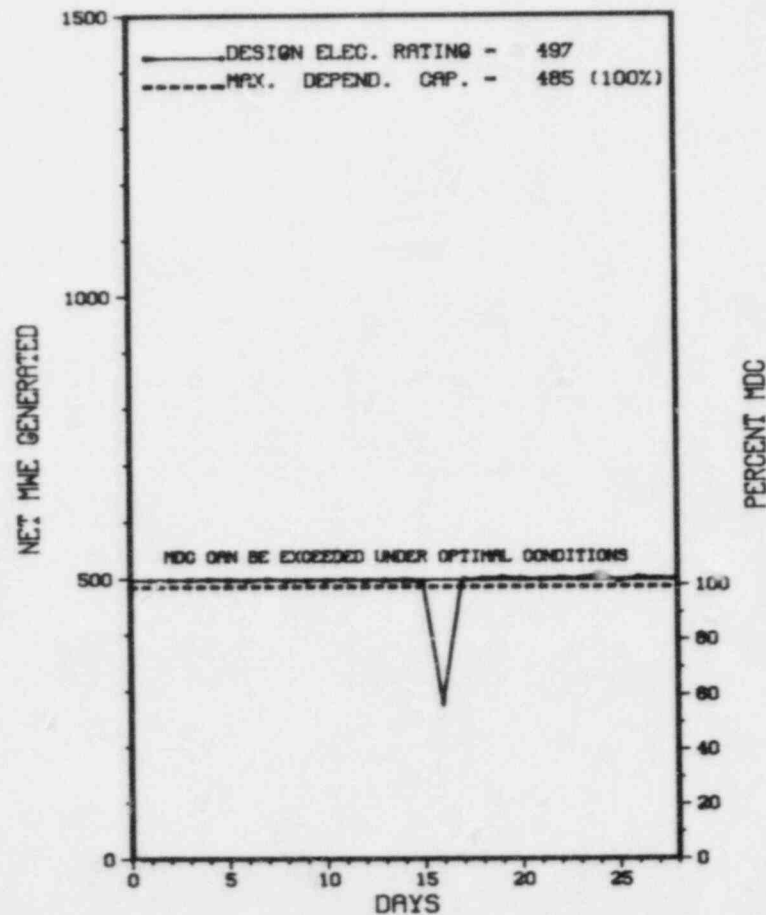
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING & MAINT.: APRIL 11, 1986.

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

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 1



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/15/86	S	0.0	B	5		XX	XXXXXX	TURBINE STOP VALVE TESTING AND REPAIR OF A STEAM LEAK FROM A ONE-INCH PIPE ON THE HP TURBINE EXHAUST.

 * SUMMARY *

POINT BEACH 1 OPERATED ROUTINELY IN FEBRUARY.

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 FEB 1986

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 DECEMBER 9-12 (85023): ROUTINE, UNANNOUNCED INSPECTION OF GASEOUS AND LIQUID RADIOACTIVE PROGRAM INCLUDING: EFFLUENT RELEASE RECORDS AND REPORTS OF EFFLUENTS; EFFLUENT CONTROL INSTRUMENTATION; PROCEDURES FOR CONTROLLING RELEASES; PRIMARY AND SECONDARY COOLANT CHEMISTRY AND ACTIVITY, GASEOUS EFFLUENT FILTRATION, AUDITS AND REVIEW OF STATUS OF PREVIOUSLY IDENTIFIED VIOLATIONS, UNRESOLVED ITEM AND OPEN ITEMS. THE INSPECTION INVOLVED 35 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* POINT BEACH 1 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 18 - 21, 1986

INSPECTION REPORT NO: 86004

REPORTS FROM LICENSEE

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

85-10	12/20/85	01/20/86	NUCLEAR INSTRUMENTATION TURBINE RUNBACK
86-01	01/02/86	01/20/86	NUCLEAR INSTRUMENTATION TURBINE RUNBACK
=====			

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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): _____

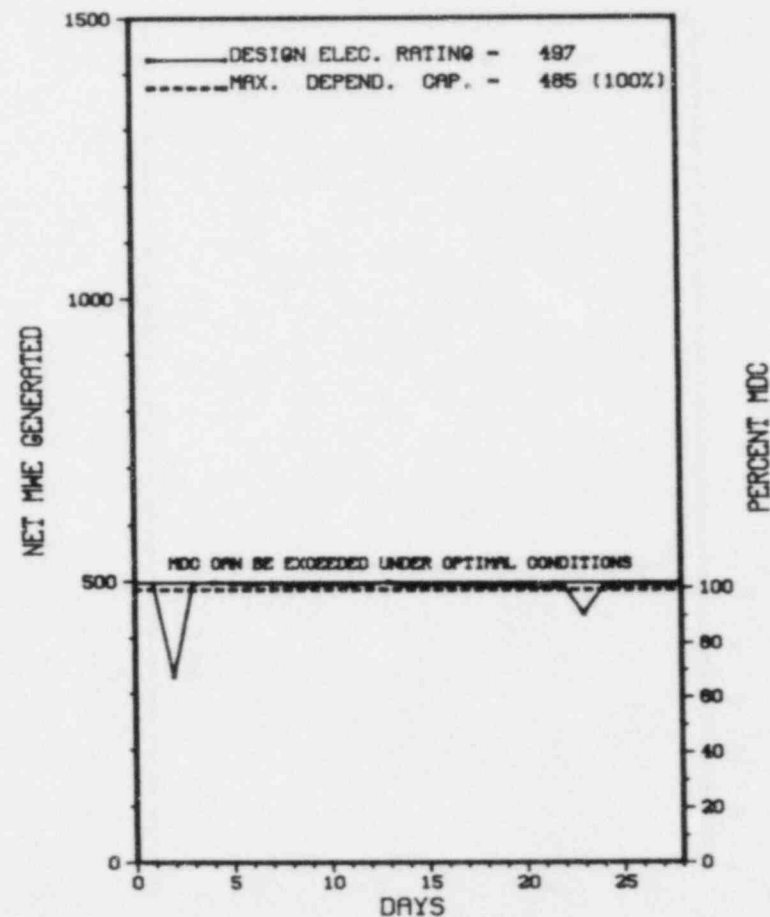
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>119,041.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>104,964.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>207.4</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,405.9</u>	<u>103,206.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>234.3</u>
17. Gross Therm Ener (MWH)	<u>1,001,623</u>	<u>2,097,997</u>	<u>144,977,867</u>
18. Gross Elec Ener (MWH)	<u>340,650</u>	<u>713,190</u>	<u>49,129,040</u>
19. Net Elec Ener (MWH)	<u>326,200</u>	<u>682,802</u>	<u>46,803,521</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.3</u>	<u>86.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.3</u>	<u>86.9</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>99.4</u>	<u>80.1*</u>
23. Unit Cap Factor (DER Net)	<u>97.7</u>	<u>97.0</u>	<u>79.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>1.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>10.1</u>	<u>755.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

 * POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 POINT BEACH 2



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/01/86	S	0.0	B	5		XX	XXXXXX	SPECIAL PERFORMANCE TESTING OF MOISTURE SEPARATOR REHEATERS.

* SUMMARY *

POINT BEACH 2 OPERATED ROUTINELY IN FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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 DECEMBER 9-12 (85022): ROUTINE, UNANNOUNCED INSPECTION OF GASEOUS AND LIQUID RADIOACTIVE PROGRAM INCLUDING: EFFLUENT RELEASE RECORDS AND REPORTS OF EFFLUENTS; EFFLUENT CONTROL INSTRUMENTATION; PROCEDURES FOR CONTROLLING RELEASES; PRIMARY AND SECONDARY COOLANT CHEMISTRY AND ACTIVITY, GASEOUS EFFLUENT FILTRATION, AUDITS AND REVIEW OF STATUS OF PREVIOUSLY IDENTIFIED VIOLATIONS, UNRESOLVED ITEM AND OPEN ITEMS. THE INSPECTION INVOLVED 35 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

INSPECTION STATUS - (CONTINUED)

PAGE 2-265

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>106,992.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>88,773.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>87,418.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>710,736</u>	<u>1,794,874</u>	<u>137,163,487</u>
18. Gross Elec Ener (MWH)	<u>236,140</u>	<u>603,790</u>	<u>44,805,060</u>
19. Net Elec Ener (MWH)	<u>219,940</u>	<u>567,943</u>	<u>41,995,777</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>81.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>81.7</u>
22. Unit Cap Factor (MDC Net)	<u>65.1</u>	<u>79.7</u>	<u>78.0</u>
23. Unit Cap Factor (DER Net)	<u>61.8</u>	<u>75.7</u>	<u>74.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,390.7</u>

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

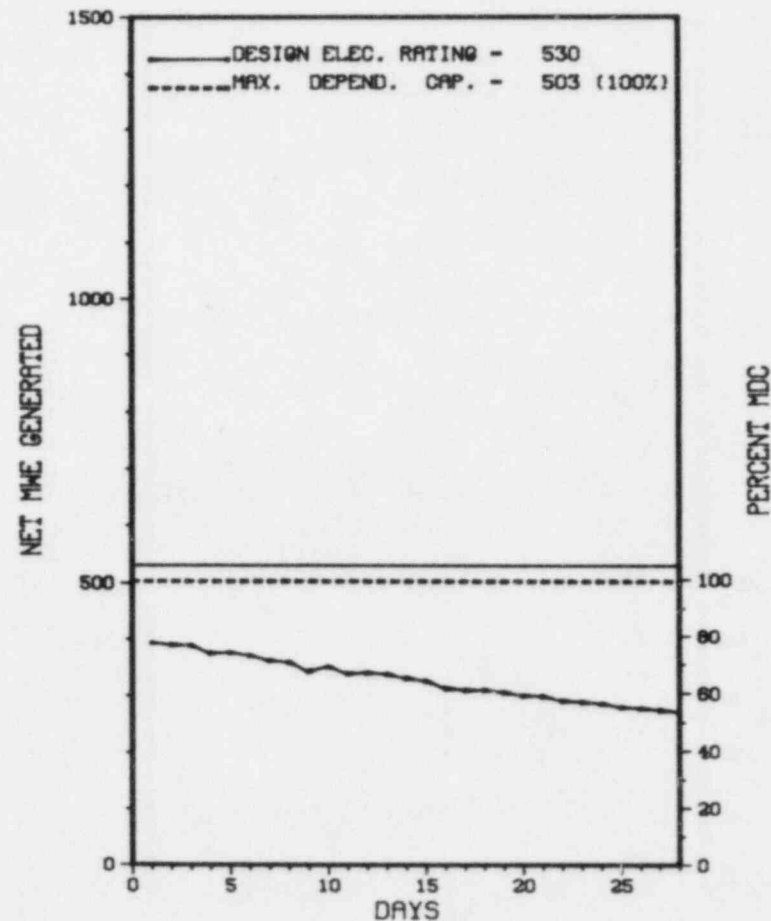
REFUELING OUTAGE: MARCH 5, 1986.

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	02/09/86	S	0.0	B	5				TURBINE VALVES TEST.

* SUMMARY *

PRAIRIE ISLAND 1 OPERATED ROUTINELY IN FEBRUARY.

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

 * PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
 STATE.....MINNESOTA
 COUNTY.....GOODHUE
 DIST AND DIRECTION FROM
 NEAREST POPULATION CTR...28 MI SE OF
 MINNEAPOLIS, MINN
 TYPE OF REACTOR.....PWR
 DATE INITIAL CRITICALITY...DECEMBER 1, 1973
 DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973
 DATE COMMERCIAL OPERATE...DECEMBER 16, 1973
 CONDENSER COOLING METHOD...COOLING TOWERS
 CONDENSER COOLING WATER...MISSISSIPPI RIVER
 ELECTRIC RELIABILITY
 COUNCIL.....MID-CONTINENT AREA
 RELIABILITY COORDINATION
 AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
 LICENSEE.....NORTHERN STATES POWER
 CORPORATE ADDRESS.....414 NICOLLET MALL
 MINNEAPOLIS, MINNESOTA 55401
 CONTRACTOR
 ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.
 NUC STEAM SYS SUPPLIER...WESTINGHOUSE
 CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
 TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
 IE RESIDENT INSPECTOR.....J. HARD
 LICENSING PROJ MANAGER.....D. DIANNI
 DOCKET NUMBER.....50-282
 LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974
 PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
 MINNEAPOLIS PUBLIC LIBRARY
 300 NICOLLET MALL
 MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 28 - NOVEMBER 1 AND 12-15 (85021): SPECIAL ANNOUNCED INSPECTION BY TWO REGIONAL INSPECTORS OF THE LICENSEE'S PLANT MODIFICATION PROGRAM AND RELATED ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 125 INSPECTOR-HOURS ONSITE AND 57 INSPECTOR-HOURS IN THE REGIONAL OFFICE BY TWO REGION BASED INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 13 THROUGH DECEMBER 7 (85022): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, FACILITY MODIFICATIONS, MEETING WITH CORPORATE MANAGEMENT, AND FOLLOWUP OF LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 408 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 34 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS WERE IDENTIFIED IN THE SEVEN AREAS INSPECTED.

INSPECTION ON JANUARY 7-10, (86002) ROUTINE UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; LICENSEE AUDITS; MAINTENANCE OF EMERGENCY PREPAREDNESS; LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; AND ACTIVATION OF THE EMERGENCY PLAN. THE INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO VIOLATIONS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; HOWEVER, ONE VIOLATION WAS IDENTIFIED IN ONE AREA (KNOWLEDGE AND PERFORMANCE OF DUTIES).

Report Period FEB 1986

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

* PRAIRIE ISLAND 1 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 9 - APRIL 12, 1986

INSPECTION REPORT NO: 86005

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

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

NONE			
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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

4. Licensed Thermal Power (Mwt): 1650

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

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

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

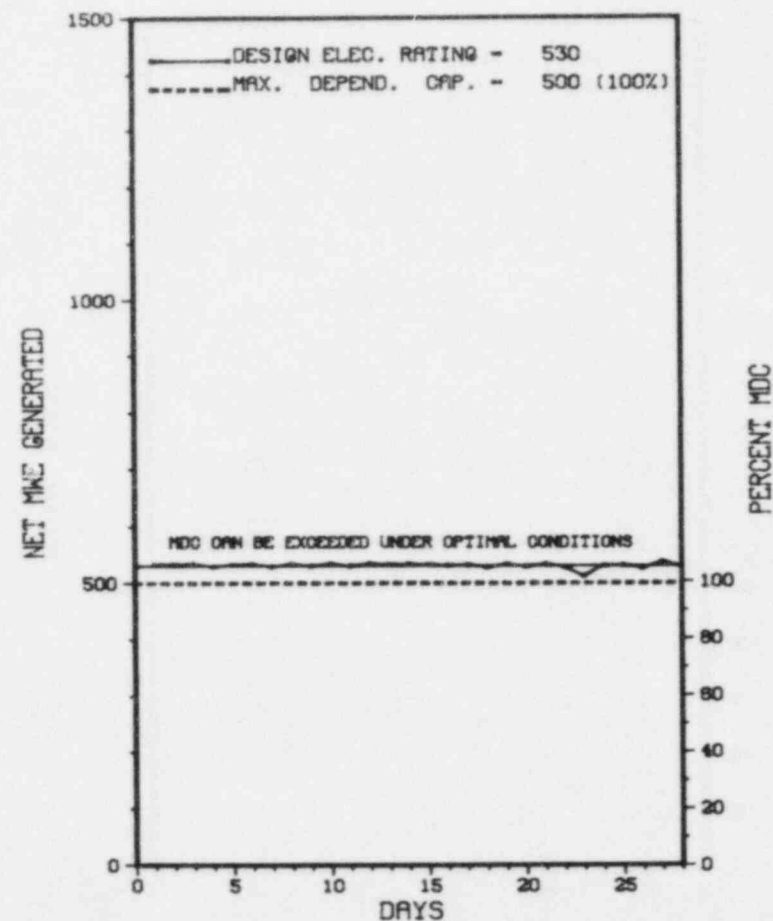
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>98,110.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>84,918.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>83,918.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,104,138</u>	<u>2,320,290</u>	<u>131,992,681</u>
18. Gross Elec Ener (MWH)	<u>373,910</u>	<u>785,390</u>	<u>42,844,830</u>
19. Net Elec Ener (MWH)	<u>356,626</u>	<u>748,788</u>	<u>40,238,105</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>85.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>85.5</u>
22. Unit Cap Factor (MDC Net)	<u>106.1</u>	<u>105.8</u>	<u>82.0</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>99.8</u>	<u>77.4</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>3,315.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

 * PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 PRAIRIE ISLAND 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/18/86	S	0.0	B	5				AXIAL OFFSET TEST.
2	02/23/86	S	0.0	B	5				TURBINE VALVES TEST.

* SUMMARY *

PRAIRIE ISLAND 2 OPERATED ROUTINELY IN FEBRUARY.

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)

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....GOODHUE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 17, 1974
DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974
DATE COMMERCIAL OPERATE...DECEMBER 21, 1974
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER
CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401
CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER....D. DIANNI
DOCKET NUMBER.....50-306
LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 28 - NOVEMBER 1 AND 12-15 (85019): SPECIAL ANNOUNCED INSPECTION BY TWO REGIONAL INSPECTORS OF THE LICENSEE'S PLANT MODIFICATION PROGRAM AND RELATED ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 125 INSPECTOR-HOURS ONSITE AND 57 INSPECTOR-HOURS IN THE REGIONAL OFFICE BY TWO REGION BASED INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 13 THROUGH DECEMBER 7 (85020): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, CURVEILLANCE, FACILITY MODIFICATIONS, MEETING WITH CORPORATE MANAGEMENT, AND FOLLOWUP OF LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 408 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 34 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS WERE IDENTIFIED IN THE SEVEN AREAS INSPECTED.

INSPECTION ON JANUARY 7-10, (86002) ROUTINE UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; LICENSEE AUDITS; MAINTENANCE OF EMERGENCY PREPAREDNESS; LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; AND ACTIVATION OF THE EMERGENCY PLAN. THE INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO VIOLATIONS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; HOWEVER, ONE VIOLATION WAS IDENTIFIED IN ONE AREA (KNOWLEDGE AND PERFORMANCE OF DUTIES).

Report Period FEB 1986

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 OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 9 - APRIL 12, 1986

INSPECTION REPORT NO: 86005

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

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

NONE			
=====			

1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: CAROL KRONICH (309) 654-2241 X193

4. Licensed Thermal Power (MWt): 2511

5. Nameplate Rating (Gross MWe): 9.9 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>672.0</u>	<u>1,416.0</u>	<u>120,984.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>120.0</u>	<u>96,781.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>120.0</u>	<u>93,398.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>240,485</u>	<u>195,205,642</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>80,622</u>	<u>63,202,109</u>
19. Net Elec Ener (MWH)	<u>-2,530</u>	<u>72,210</u>	<u>59,099,524</u>
20. Unit Service Factor	<u>.0</u>	<u>8.5</u>	<u>77.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>8.5</u>	<u>78.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>6.6</u>	<u>63.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>6.5</u>	<u>61.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,181.6</u>

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

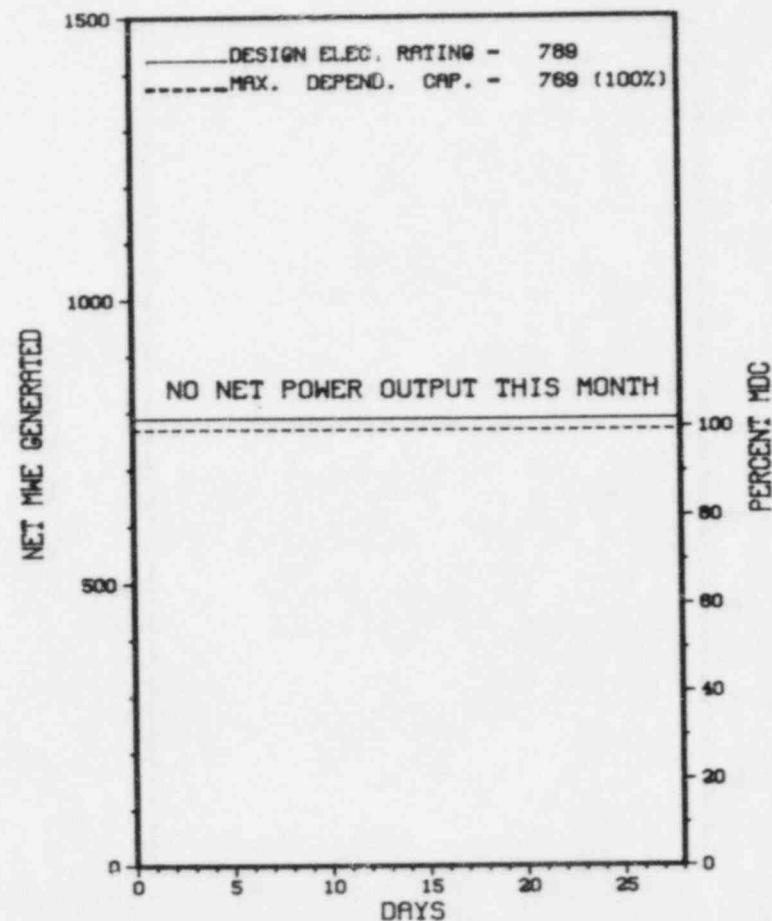
NONE

27. If Currently Shutdown Estimated Startup Date: 03/25/86

* QUAD CITIES 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-2	01/05/86	S	672.0	C	4		RC	FUELXX	UNIT SHUTDOWN FOR END OF CYCLE EIGHT REFUELING AND MAINTENANCE OUTAGE.

 * SUMMARY *

QUAD CITIES 1 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)

* QUAD CITIES 1 *

FACILITY DATA

Report Period FEB 1986

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 OCTOBER 1 THROUGH DECEMBER 7 (85027): 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, LLR REVIEW; BULLETIN FOLLOWUP; REGIONAL REQUESTS; TRAINING; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 399 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS, INCLUDING 79 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. TWO VIOLATIONS WERE IDENTIFIED. THE FIRST INVOLVED FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION REQUIREMENTS CONCERNING FIRE DETECTION EQUIPMENT ON THE REFUEL FLOOR. THE SECOND INVOLVED INADEQUATE REVIEW AND CORRECTIVE ACTIONS CONCERNING A 10 CFR PART 21 REPORT ON RUSKIN FIRE DAMPERS. OVERALL, THE LICENSEE'S PERFORMANCE HAS IMPROVED IN OPERATIONS AND REMAINED STEADY IN ALL OTHER AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period FEB 1986

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

* QUAD CITIES 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUT DOWN 1/6/86 FOR 12-WEEK REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: FEBRUARY 10 - 14, 1986

INSPECTION REPORT NO: 86004

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

85-20	12/10/85	01/06/86	AUTO-START SIGNAL SENT TO STANDBY GAS TREATMENT SYSTEM DUE TO BYPASS OF 'A' AND DOWNSCALE SPIKE OF 'B' FUEL POOL RADIATION MONITORS
85-22	12/28/85	01/20/86	STANDBY GAS TRAIN A LOSES FLOW DUE TO OBSTRUCTED INTAKE AND TRAIN B DOESN'T START DUE TO BLOWN FUSE
86-01	01/06/86	01/31/86	LEAK RATE FROM ALL VALVES AND PENETRATIONS IN EXCESS OF TECHNICAL SPECIFICATION LIMIT
86-02	01/07/86	01/30/86	LEAK RATE FOR MSIV (MAIN STEAM ISOLATION VALVE) IN EXCESS OF TECHNICAL SPECIFICATION LIMIT
86-03	01/02/86	01/22/86	1/2 DIESEL GENERATOR COOLING WATER PUMP INOPERABLE DUE TO LOSS OF CONTROL POWER
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>120,094.0</u>
13. Hours Reactor Critical	<u>506.8</u>	<u>1,242.6</u>	<u>92,510.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>506.8</u>	<u>1,239.2</u>	<u>89,536.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,205,019</u>	<u>2,942,256</u>	<u>189,051,279</u>
18. Gross Elec Ener (MWH)	<u>395,832</u>	<u>969,059</u>	<u>60,385,831</u>
19. Net Elec Ener (MWH)	<u>377,921</u>	<u>926,094</u>	<u>56,801,759</u>
20. Unit Service Factor	<u>75.4</u>	<u>87.5</u>	<u>74.6</u>
21. Unit Avail Factor	<u>75.4</u>	<u>87.5</u>	<u>75.1</u>
22. Unit Cap Factor (MDC Net)	<u>73.1</u>	<u>85.0</u>	<u>61.5</u>
23. Unit Cap Factor (DER Net)	<u>71.3</u>	<u>82.9</u>	<u>59.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.9</u>	<u>7.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>11.6</u>	<u>3,829.8</u>

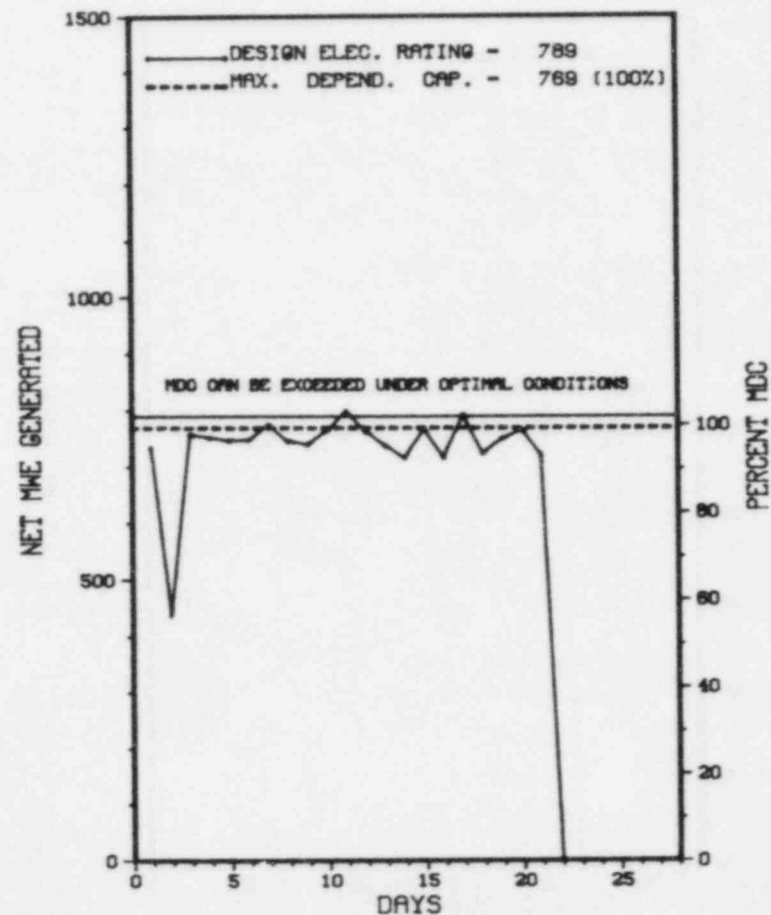
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 03/04/86

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-5	02/06/86	F	0.0	H	5		AA	HTEXCH	DROPPED LOAD DUE TO GSEP UNUSUAL EVENT - HPCI AND RCIC ROOM COOLERS OUT OF SERVICE (LOAD DROP TERMINATED 4 HOURS AT 590 MWE).
86-6	02/08/86	S	0.0	H	5		RC	CONROD	LOAD REDUCED TO 698 MWE TO RETURN CONTROL ROD D-3 TO SERVICE.
86-7	02/21/86	S	165.2	B	2		ZZ	ZZZZZZ	UNIT SHUTDOWN FOR SHORT SCHEDULED MAINTENANCE OUTAGE.

 * SUMMARY *

QUAD CITIES 2 EXPERIENCED 1 SHUTDOWN FOR MAINTENANCE IN FEBRUARY.

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

* QUAD CITIES 2 *

FACILITY DATA

Report Period FEB 1986

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 OCTOBER 1 THROUGH DECEMBER 7 (85030): 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; BULLETIN FOLLOWUP; REGIONAL REQUESTS; TRAINING; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 399 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS, INCLUDING 79 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. TWO VIOLATIONS WERE IDENTIFIED. THE FIRST INVOLVED FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION REQUIREMENTS CONCERNING FIRE DETECTION EQUIPMENT ON THE REFUEL FLOOR. THE SECOND INVOLVED INADEQUATE REVIEW AND CORRECTIVE ACTIONS CONCERNING A 10 CFR PART 21 REPORT ON RUSKIN FIRE DAMPERS. OVERALL, THE LICENSEE'S PERFORMANCE HAS IMPROVED IN OPERATIONS AND REMAINED STEADY IN ALL OTHER AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period FEB 1986

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:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: FEBRUARY 10 - 14, 1986

INSPECTION REPORT NO: 86004

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
-----
85-23      12/26/85    01/16/85    HIGH PRESSURE COOLANT INJECTION INOPERABLE DUE TO MO-2-2301-4 VALVE UNABLE TO OPEN
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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: 02/01/86 Outage + On-line Hrs: 672.0

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

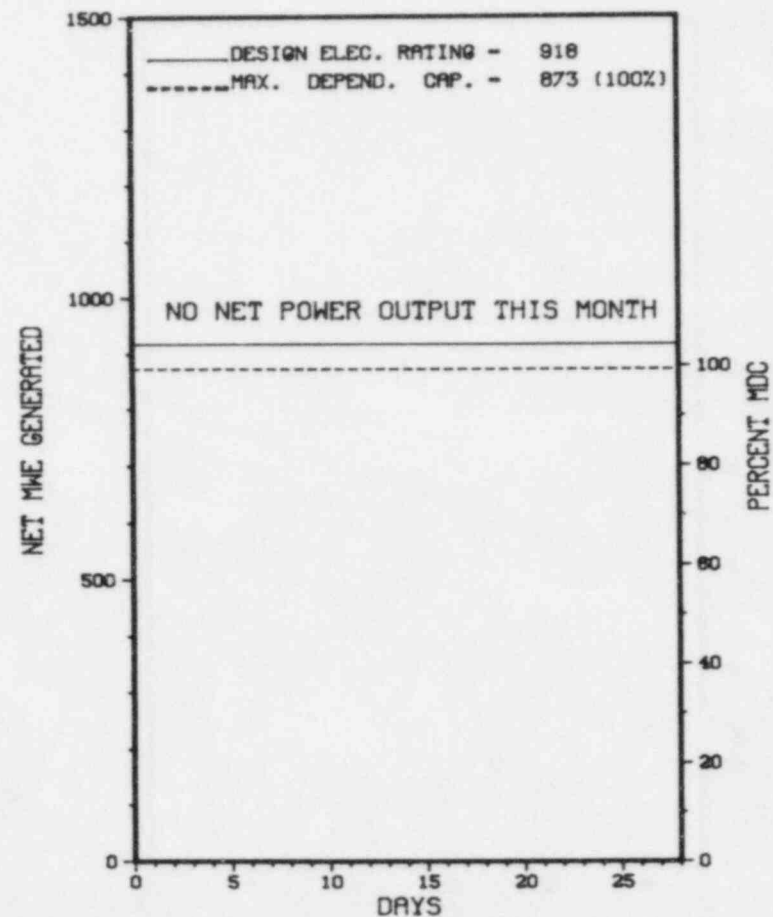
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>95,281.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>52,565.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10,647.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>50,363.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>124,228,535</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>41,528,149</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>39,078,111</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>52.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>54.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>47.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>44.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>31.2</u>
25. Forced Outage Hours	<u>672.0</u>	<u>1,416.0</u>	<u>22,801.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 04/18/86

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/26/86	F	672.0	A	4	85-25	CB	INSTRU	REACTOR TRIP ON HIGH PRESSURE. TOTAL LOSS OF ALL ICS POWER. CORRECTIVE ACTIONS BEING IMPLEMENTED.

 * SUMMARY *

 RANCHO SECO 1 REMAINS SHUT DOWN AS A RESULT OF A HIGH PRESSURE REACTOR TRIP.

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

* RANCHO SECO 1 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SACRAMENTO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974
DATE ELEC ENER 1ST GENER...OCTOBER 13, 1974
DATE COMMERCIAL OPERATE...APRIL 17, 1975
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...FOLSOM CANAL
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT
CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....J. ECKHARD
LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312
LICENSE & DATE ISSUANCE...DPR-54, AUGUST 16, 1974
PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

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

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 4 - DECEMBER 22, 1985 (REPORT NO. 50-312/85-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 6-10, 1986 (REPORT NO. 50-312/86-01) AREAS INSPECTED: THIS ROUTINE, UNANNOUNCED INSPECTION CONSISTED OF A REVIEW OF OPEN ITEMS, AND THE PROGRAM PLAN, PROCEDURES, RECORDS PERTAINING TO THE RANCHO SECO INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 44 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 14-25, 1986 (REPORT NO. 50-312/86-02) INSPECTION TO BE COMPLETED IN APRIL 1986.

+ INSPECTION ON FEBRUARY 3-7, 1986 (REPORT NO. 50-312/86-04) AREAS INSPECTED: SECURITY PLAN AND PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PA; PHYSICAL BARRIERS - VA; LIGHTING; COMPENSATORY MEASURE; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PA; DETECTION AIDS - VA; ALARM STATIONS; COMMUNICATIONS; CONTINGENCY PLAN IMPLEMENTING PROCEDURES, AND FOLLOWUP ON LICENSEE AND INSPECTOR IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION WAS IN TWO PARTS, BOTH CONDUCTED SIMULTANEOUSLY AND INDEPENDENT OF EACH OTHER. PART ONE FOLLOWED UP ON ITEMS IDENTIFIED FOR ADDITIONAL REVIEW AS A RESULT OF A TEAM INSPECTION CONDUCTED IN NOVEMBER AND DECEMBER, 1985.

INSPECTION SUMMARY

PART TWO REVIEWED CONCERNS RELATED TO PERCEIVED SAFETY SECURITY INTERFACE PROBLEMS AT RANCHO SECO. THE INSPECTION INVOLVED 323 INSPECTOR-HOURS ONSITE BY SEVEN NRC INSPECTORS.

RESULTS: THE LICENSEE WAS FOUND TO BE IN VIOLATION OF NRC REQUIREMENTS WITHIN THE FOLLOWING AREAS INSPECTED: RECORDS AND REPORTS (ONE INSTANCE OF VIOLATION); PHYSICAL BARRIERS - VA (NINE INSTANCES OF VIOLATION); ACCESS CONTROL - PERSONNEL (FOURTEEN INSTANCES OF VIOLATION); ACCESS CONTROL - VEHICLES (ONE INSTANCE OF VIOLATION); DETECTION AIDS - VA (THREE INSTANCES OF VIOLATION); DETECTION AIDS ALARM ASSESSMENT (THREE INSTANCES OF VIOLATION); COMPENSATORY MEASURES (THREE INSTANCES OF VIOLATION).

+ INSPECTION ON JANUARY 16 - FEBRUARY 19, 1986 (REPORT NO. 50-312/86-05) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 16 - FEBRUARY 3, 1986 (REPORT NO. 50-312/86-06) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 27 - MARCH 31, 1986 (REPORT NO. 50-312/86-07) INSPECTION CONTINUING TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 3 - MARCH 7, 1986 (REPORT NO. 50-312/86-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ MEETING ON FEBRUARY 10, 1986 (REPORT NO. 50-312/86-09) AREAS INSPECTED: MANAGEMENT MEETING TO DISCUSS PROPOSED ACTIONS BY LICENSEE TO BE RESOLVED PRIOR TO RESTART OF RANCHO SECO FROM THE DECEMBER 26, 1985 OUTAGE WHICH RESULTED IN AN EXCESSIVE COOLDOWN TRANSIENT. THE MEETING INVOLVED 80 HOURS BY VARIOUS REGION V NRC PERSONNEL.

RESULTS: THIS MEETING DID NOT INVOLVE DIRECT INSPECTION OF LICENSEE ACTIVITIES.

+ INSPECTION ON MARCH 3-7, 1986 (REPORT NO. 50-312/86-10) INSPECTION TO BE COMPLETED NEXT MONTH.

+ INSPECTION ON FEBRUARY 24 - MARCH 6, 1986 (REPORT NO. 50-312/86-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ EXAMINATIONS ON FEBRUARY 4-6, 1986 (REPORT NO. 50-312/OL-86-01) WRITTEN EXAMINATIONS WERE ADMINISTERED TO TWO REACTOR OPERATOR CANDIDATES AND SIX SENIOR OPERATOR CANDIDATES. TWO REACTOR OPERATOR CANDIDATES PASSED THE WRITTEN EXAMINATIONS. ONE REACTOR OPERATOR CANDIDATE RECEIVED A WAIVER OF THE OPERATING EXAMINATION AND ONE REACTOR OPERATOR CANDIDATE PASSED THE OPERATING EXAMINATION. SIX SENIOR REACTOR OPERATOR CANDIDATES PASSED THE WRITTEN EXAMINATION. FIVE SENIOR REACTOR OPERATOR CANDIDATES PASSED THE OPERATING EXAMINATION, WHILE ONE SENIOR REACTOR OPERATOR CANDIDATE FAILED THE OPERATING EXAMINATION.

ENFORCEMENT SUMMARY

FAILURE TO SEARCH AND BADGE TWO PERSONS BEFORE GRANTING ACCESS TO THE PROTECTED AREA.
(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INTEGRATED CONTROL SYSTEM UNDER REVIEW FOLLOWING EXCESSIVE COOLDOWN RATE PRODUCED WHEN SYSTEM LOST DC POWER AT 100% REACTOR POWER.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

RANCHO SECO 1 #

OTHER ITEMS

MANAGERIAL ITEMS:

REGION V AND SPECIAL IIT CONDUCTED POST-DECEMBER 26, 1985 EVENT INVESTIGATIONS DURING THE ENTIRE MONTH.

+ RESTART ACTION PLAN IMPLEMENTATION IS BEING REVIEWED BY REGION V PRIOR TO RETURN TO OPERATION.

PLANT STATUS:

PLANT REMAINS IN COLD SHUTDOWN FOLLOWING PLANT TRIP FROM 100% DUE TO LOSS OF ICS DC POWER ON DECEMBER 26, 1985.

LAST IE SITE INSPECTION DATE: 04/14-25/86

INSPECTION REPORT NO: 50-312/86-02

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-23-L0	12-05-85	01-02-86	HIGH PRESSURE REACTOR TRIP RESULTING FROM STEAM GENERATOR UNDERFEED (ICS ELECTRICAL TRANSIENT, STUCK RECORDER PEN, OPERATOR ERROR)
85-25-L0	12-26-85	01-20-86	REACTOR TRIP FOLLOWING LOSS OF ICS POWER

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1. Docket: 50-458 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: J. H. SIMMONS (504) 635-6094

4. Licensed Thermal Power (MWt): 2894

5. Nameplate Rating (Gross MWe): 2894

6. Design Electrical Rating (Net MWe): 936

7. Maximum Dependable Capacity (Gross MWe): 936

8. Maximum Dependable Capacity (Net MWe): 936

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>672.0</u>	<u>672.0</u>	<u>672.0</u>
13. Hours Reactor Critical	<u>379.9</u>	<u>379.9</u>	<u>379.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>248.7</u>	<u>248.7</u>	<u>248.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>213,169</u>	<u>213,169</u>	<u>213,169</u>
18. Gross Elec Ener (MWH)	<u>47,246</u>	<u>47,246</u>	<u>47,246</u>
19. Net Elec Ener (MWH)	<u>39,442</u>	<u>39,442</u>	<u>39,442</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 124.8 124.8 124.8

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

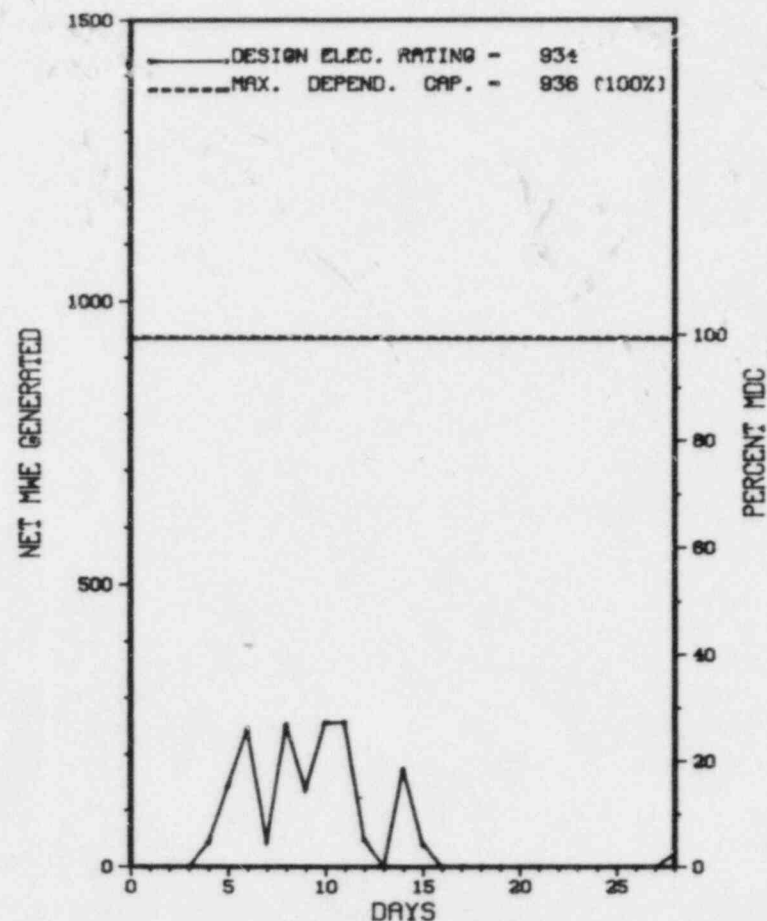
NONE

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

* R I V E R B E N D 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RIVER BEND 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWN / REDUCTIONS

* RIVER BEND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/01/86	F	79.5	A	2				CONTINUED FROM JAN. CNTMT PURGE VLV FAILED STP. SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATIONS.
2	02/04/86	F	0.0	A	5				LOSS OF "A" FEEDPUMP STARTED "B" FEEDPUMP AND RETURNED AND RETURNED UNIT ON LINE.
3	02/12/86	F	45.3	H	2				TURBINE/RX TRIP DUE TO MSR HIGH LEVEL.
4	02/14/86	S	298.5	B	2				SCRAM INITIATED AS PART OF ST-28. SHUTDOWN FROM OUTSIDE CONTROL ROOM. REMOTE SHUTDOWN PANEL TEST.

* SUMMARY *

RIVER BEND 1 INCURRED 3 SHUTDOWNS IN FEBRUARY AS DESCRIBED ABOVE.

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

* RIVER BEND 1 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA
COUNTY.....WEST FELICIANA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI NNW OF
BATON ROUGE, LA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 31, 1985
DATE ELEC ENER 1ST GENER...DECEMBER 3, 1985
DATE COMMERCIAL OPERATE....*****
CONDENSER COOLING METHOD...MDCT
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GULF STATES UTILITIES
CORPORATE ADDRESS.....P.O. BOX 2951
BEAUMONT, LOUISIANA 77704
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....D. CHAMBERLAIN
LICENSING PROJ MANAGER.....S. STERN
DOCKET NUMBER.....50-458
LICENSE & DATE ISSUANCE...NPF-47, NOVEMBER 20, 1985
PUBLIC DOCUMENT ROOM.....

828 I STREET
SACRAMENTO, CALIFORNIA 95814

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:

INFO. NOT SUPPLIED BY REGION

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* RIVER BEND 1 *

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

REPORTS FROM LICENSEE

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: ANITA E. SCOTT (803) 383-4524

4. Licensed Thermal Power (MWt): 2300

5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>131,406.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>567.4</u>	<u>92,624.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>154.5</u>	<u>2,810.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>563.1</u>	<u>90,331.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>952,597</u>	<u>180,444,510</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>318,422</u>	<u>58,177,913</u>
19. Net Elec Ener (MWH)	<u>-1,569</u>	<u>296,205</u>	<u>54,945,779</u>
20. Unit Service Factor	<u>.0</u>	<u>39.8</u>	<u>68.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>39.8</u>	<u>68.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>31.5</u>	<u>62.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>29.9</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>24.3</u>	<u>14.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>180.9</u>	<u>9,225.9</u>

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

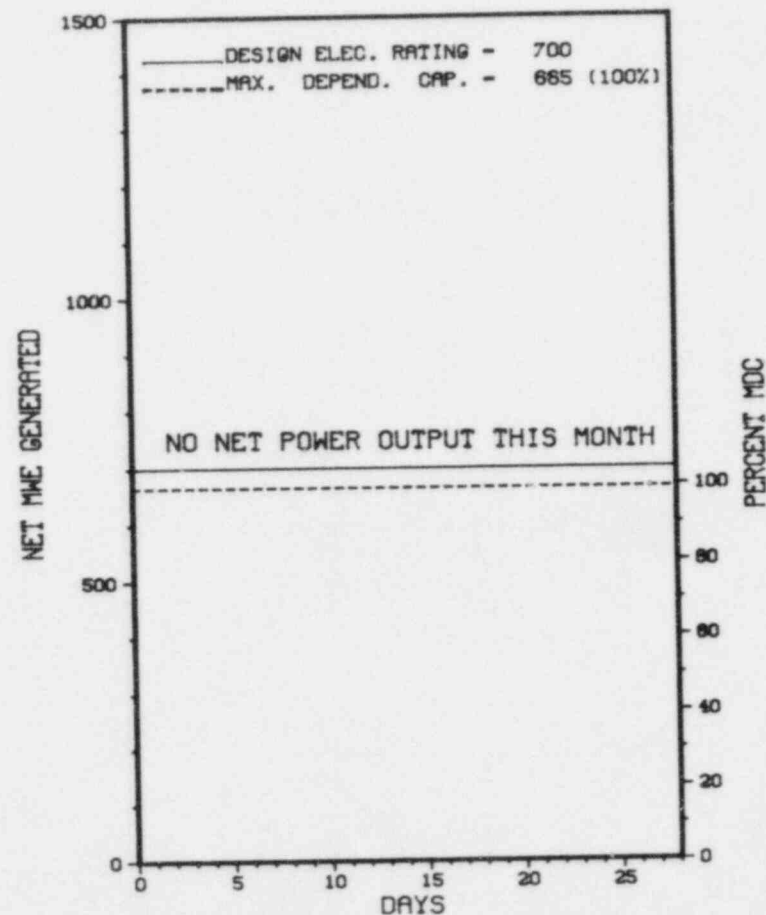
NONE

27. If Currently Shutdown Estimated Startup Date: 03/17/86

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0201	01/28/86	S	672.0	C	4		RC	FUELXX	A REACTOR TRIP OCCURRED ON 01/28/86, DUE TO A BLOWN UNDER VOLTAGE FUSE ON EMERGENCY BUS NO. 2. THE FUSE WAS REPLACED. THE UNIT REMAINED IN THE SHUTDOWN MODE AND BEGAN THE PLANNED REFUELING OUTAGE ON 02/01/86.

* SUMMARY *

ROBINSON 2 IS PRESENTLY SHUT DOWN FOR REFUELING.

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

* ROBINSON 2 *

FACILITY DATA

Report Period FEB 1986

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
CONSTRUCTOREBASCO
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 DECEMBER 11 - JANUARY 10, 1986 (85-36): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 111 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, IE NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, INDEPENDENT INSPECTION, AND SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE AREAS INSPECTED.

INSPECTION JANUARY 21-24 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY ASSURANCE (QA)/QUALITY CONTROL (QC) ADMINISTRATION; QA PROGRAM ANNUAL REVIEW; AND LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period FEB 1986

INSPECTION STATUS - (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: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-261/86-02 +

REPORTS FROM LICENSEE

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

NONE.			
=====			

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

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: PELL WHITE (609) 935-6000 X4451

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>672.0</u>	<u>1,416.0</u>	<u>75,985.0</u>
13. Hours Reactor Critical	<u>620.6</u>	<u>1,331.8</u>	<u>45,517.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>574.4</u>	<u>1,261.2</u>	<u>43,765.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,816,716</u>	<u>4,279,162</u>	<u>134,765,397</u>
18. Gross Elec Ener (MWH)	<u>601,380</u>	<u>1,354,500</u>	<u>44,648,308</u>
19. Net Elec Ener (MWH)	<u>573,578</u>	<u>1,295,684</u>	<u>42,401,676</u>
20. Unit Service Factor	<u>85.5</u>	<u>89.1</u>	<u>57.6</u>
21. Unit Avail Factor	<u>85.5</u>	<u>89.1</u>	<u>57.6</u>
22. Unit Cap Factor (MDC Net)	<u>79.1</u>	<u>84.8</u>	<u>51.7</u>
23. Unit Cap Factor (DER Net)	<u>78.3</u>	<u>83.9</u>	<u>51.2</u>
24. Unit Forced Outage Rate	<u>14.5</u>	<u>10.9</u>	<u>29.6</u>
25. Forced Outage Hours	<u>97.6</u>	<u>154.8</u>	<u>18,643.6</u>

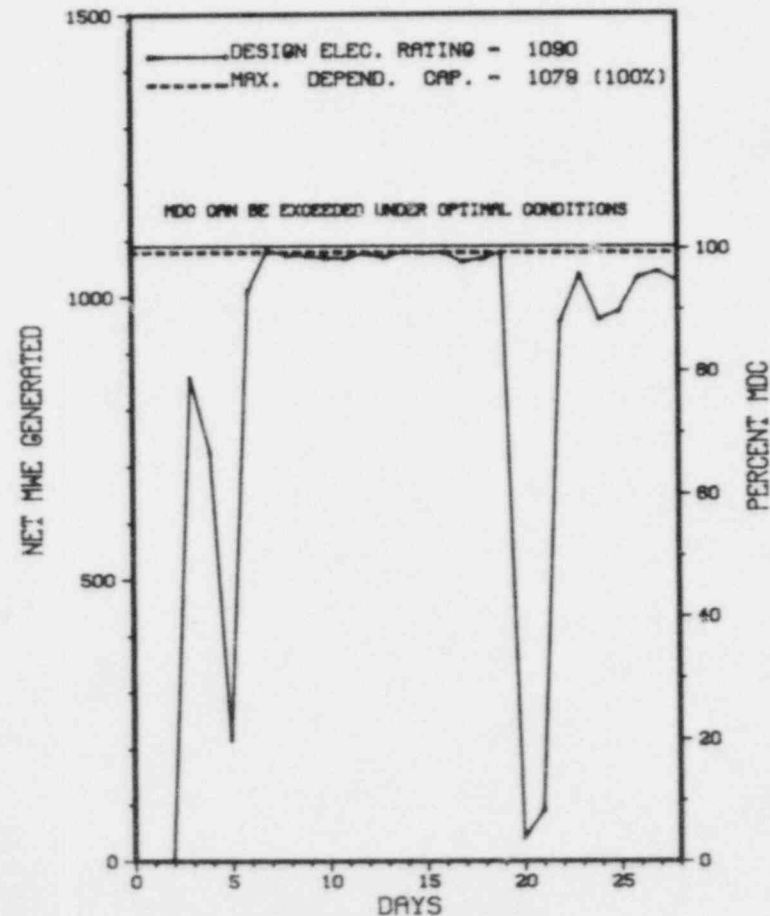
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING: MARCH 22, 1986 - 60 DAYS.

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

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SALEM 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
144	01/31/86	F	45.1	A	4		CH	VALVEX	FEEDWATER REGULATING BOILER LEVEL CONTROL VALVES.
150	02/04/86	F	13.0	A	1		HA	VALVEX	LUBE OIL SYSTEMS VALVES AND TYPING TURBINE.
202	02/20/86	F	39.5	A	3				STEAM GENERATOR CONTROL.
232	02/24/86	F	0.0	B	5		HC	HTEXCH	CONDENSER TUBE AND WATER BOX CLEANING.
240	02/25/86	F	0.0	A	5		HC	HTEXCH	CONDENSER TUBE FOULING TUBE SIDE DIRTY CONDENSER.

 * SUMMARY *

SALEM 1 INCURRED 3 SHUTDOWNS AND 2 REDUCTIONS IN FEBRUARY 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)

* SALEM 1 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE....JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION 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 FEB 1986

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

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: 50-311 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: PELL WHITE (609) 935-6000 X4451

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>672.0</u>	<u>1,416.0</u>	<u>38,401.0</u>
13. Hours Reactor Critical	<u>629.7</u>	<u>986.7</u>	<u>21,312.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>618.9</u>	<u>968.7</u>	<u>20,505.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,066,002</u>	<u>3,174,315</u>	<u>62,920,013</u>
18. Gross Elec Ener (MWH)	<u>686,220</u>	<u>1,054,650</u>	<u>20,631,130</u>
19. Net Elec Ener (MWH)	<u>657,468</u>	<u>1,006,067</u>	<u>19,540,922</u>
20. Unit Service Factor	<u>92.1</u>	<u>68.4</u>	<u>53.4</u>
21. Unit Avail Factor	<u>92.1</u>	<u>68.4</u>	<u>53.4</u>
22. Unit Cap Factor (MDC Net)	<u>88.5</u>	<u>64.2</u>	<u>46.0</u>
23. Unit Cap Factor (DER Net)	<u>87.7</u>	<u>63.7</u>	<u>45.6</u>
24. Unit Forced Outage Rate	<u>7.9</u>	<u>31.6</u>	<u>40.1</u>
25. Forced Outage Hours	<u>53.1</u>	<u>447.3</u>	<u>13,742.9</u>

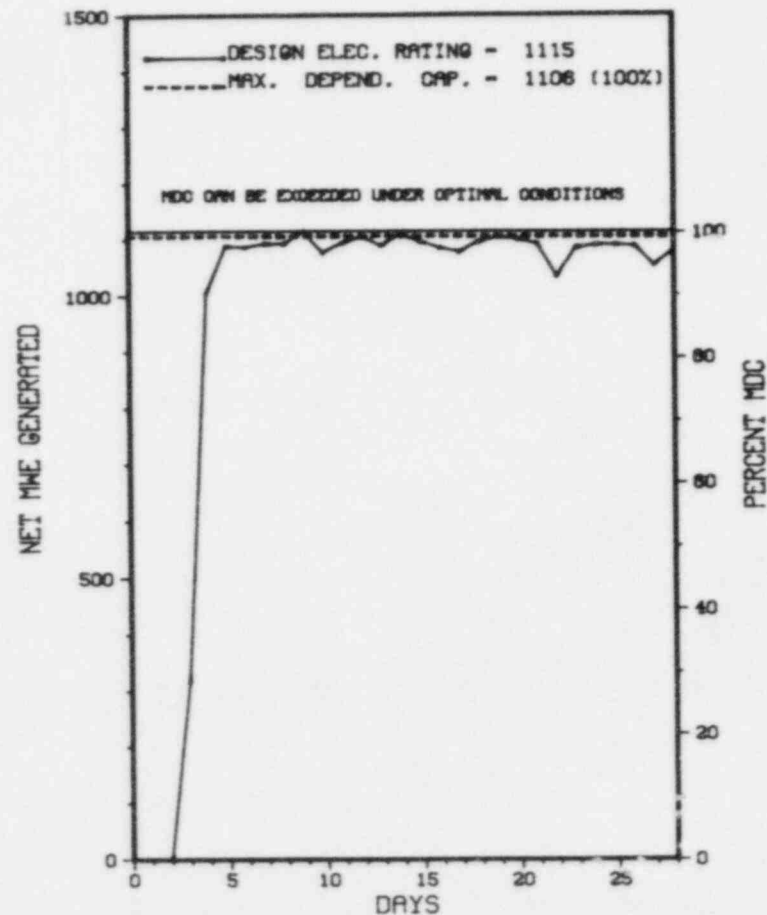
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SALEM 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
040	01/19/86	F	53.1	A	4				REACTOR COOLANT PUMP SEALS.
042	02/03/86	F	0.0	A	5		CH	INSTRU	FEEDWATER PUMP LOCAL CONTROLS.
068	02/22/86	F	0.0	A	5		HF	PUMPXX	INTAKE SYSTEMS PROBLEMS OTHER VAN TRAVELINGS SCREENS.
086	02/27/86	F	0.0	A	5		HF	FILTER	TRAVELING SCREEN/TRASH RACK/CANAL SCREEN.

* SUMMARY *

SALEM 2 OPERATED IN FEBRUARY WITH 1 OUTAGE AND 3 REDUCTIONS 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)

* SALEM 2 *

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

Report Period FEB 1986

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* SALEM 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

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: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

4. Licensed Thermal Power (MWh): 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.

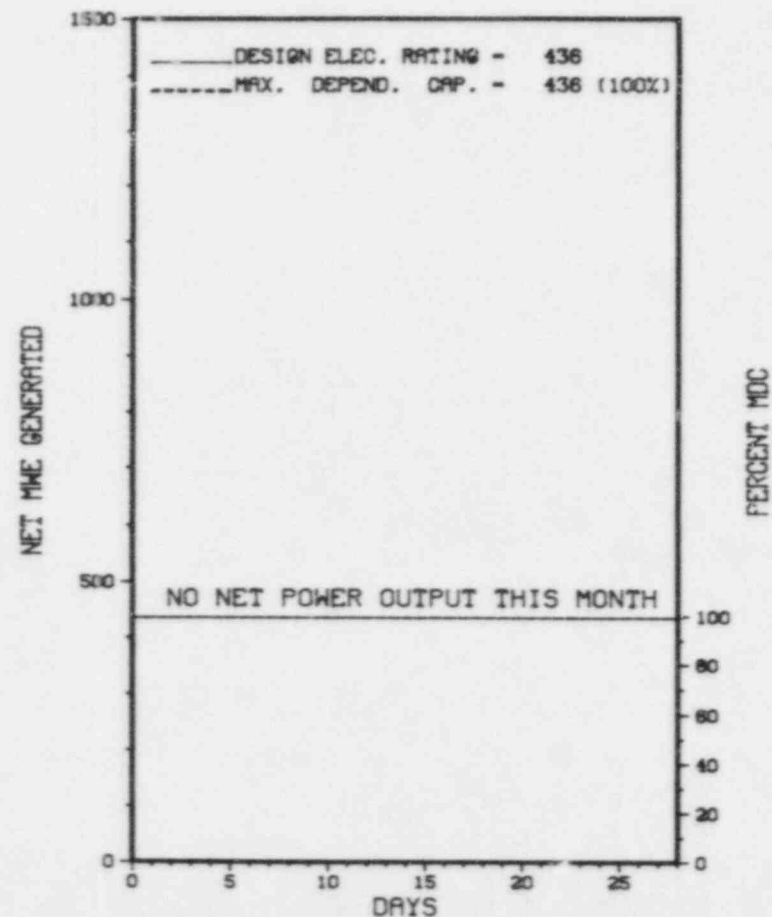
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>164,000.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>96,113.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>92,375.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>117,311,124</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>39,829,634</u>
19. Net Elec Ener (MWH)	<u>-852</u>	<u>-2,092</u>	<u>37,658,985</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>56.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>56.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>21.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,129.7</u>

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

27. If Currently Shutdown Estimated Startup Date: 05/15/86

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SAN ONOFRE 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
93	11/21/85	S	672.0	C	4			REFUELING/BACKFIT WORK.

 * SUMMARY *

SAN ONOFRE 1 REMAINS SHUT DOWN FOR REFUELING AND BACKFIT.

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

* SAN ONOFRE 1 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 14, 1967
DATE ELEC ENER 1ST GENER...JULY 16, 1967
DATE COMMERCIAL OPERATE...JANUARY 1, 1968
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

- + INSPECTION ON JANUARY 6 - FEBRUARY 7, 1986 (REPORT NO. 50-206/86-01) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JANUARY 13 - FEBRUARY 7, 1986 (REPORT NO. 50-206/86-02) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REVIEW OF LICENSEE REPORTS, GASEOUS WASTE SYSTEMS, RADIOLOGICAL ENVIRONMENTAL MONITORING, OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES, FACILITY TOURS AND FOLLOWUP ON INFORMATION NOTICES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE IDENTIFIED.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON JANUARY 11 - FEBRUARY 14, 1986 (REPORT NO. 50-206/86-04) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, ENGINEERED SAFETY FEATURE WALKDOWN, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 315 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON FEBRUARY 10-14, 1986 (REPORT NO. 50-206/86-05) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF ACTIVITIES ASSOCIATED WITH AUDITS, RECORDS, FIRE PROTECTION, AND LICENSEE ACTION ON INSPECTOR-IDENTIFIED

Report Period FEB 1986

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

* SAN ONOFRE 1 *

INSPECTION SUMMARY

ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ MEETING ON FEBRUARY 6, 1986 (REPORT NO. 50-206/86-06) AREAS INSPECTED: SPECIAL, ANNOUNCED MEETING WITH LICENSEE REPRESENTATIVES CONCERNING THEIR PLANS TO REDUCE THE QUANTITY OF RADIOACTIVE MATERIAL IN LIQUIDS DISCHARGED FROM THE SITE. DURING THIS MEETING, ONE INSPECTION PROCEDURE WAS ADDRESSED. THE MEETING INVOLVED THREE HOURS ONSITE BY TWO NRC INSPECTORS AND ONE REGION V MANAGEMENT REPRESENTATIVE.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 12 - MARCH 8, 1986 (REPORT NO. 50-206/86-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ MANAGEMENT MEETING ON FEBRUARY 19, 1986 (REPORT NO. 50-206/86-08) THE LICENSEE'S PLAN AND SCHEDULE TO ADDRESS CONCERNS FROM A NOVEMBER 21, 1985, EVENT FOR A MAY 1986 RESTART WERE DISCUSSED. THE MEETING INVOLVED 49 HOURS BY 14 NRC REPRESENTATIVES. + INSPECTION ON FEBRUARY 15 - MARCH 17, 1986 (REPORT NO. 50-206/86-09) INSPECTION CONTINUING; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XI, ON NOVEMBER 14, 1984, DURING SETPOINT TESTING OF THE TEN UNIT 1 MAIN STEAM SAFETY VALVES, THE AS-FOUND SETPOINT PRESSURE WAS NOT DOCUMENTED FOR SIX OF THE TEN VALVES.
(8503 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INVESTIGATION FOLLOWING THE NOVEMBER 21, 1985, TRIP AND FEEDWATER HAMMER EVENT DISCLOSED FAILURES OF FIVE MAIN FLOW CHECK VALVES IN THE FEEDWATER SYSTEM (BOTH FEEDWATER PUMP DISCHARGE CHECK VALVES AND ALL THREE STEAM GENERATOR FEED LINE CHECK VALVES).

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT BEGAN A REFUELING AND MODIFICATION OUTAGE IN LATE NOVEMBER 1985. MODIFICATIONS WILL INCLUDE TMI, FIRE PROTECTION, SEISMIC UPGRADE, AND EQUIPMENT QUALIFICATION ITEMS. RETURN TO OPERATION IS SCHEDULED FOR JUNE 1986.

LAST IE SITE INSPECTION DATE: 02/15-03/17/86+

INSPECTION REPORT NO: 50-206/86-09+

Report Period FEB 1986

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

* SAN ONOFRE 1 *

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			
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1. Docket: 50-361 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage = On-line Hrs: 672.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

4. Licensed Thermal Power (MWh): 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>672.0</u>	<u>1,416.0</u>	<u>22,465.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,367.5</u>	<u>14,488.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,362.0</u>	<u>14,211.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,044,658</u>	<u>4,308,834</u>	<u>45,844,796</u>
18. Gross Elec Ener (MWH)	<u>681,382</u>	<u>1,446,123</u>	<u>15,416,323</u>
19. Net Elec Ener (MWH)	<u>647,371</u>	<u>1,374,817</u>	<u>14,571,456</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.2</u>	<u>63.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.2</u>	<u>63.3</u>
22. Unit Cap Factor (MDC Net)	<u>90.0</u>	<u>90.7</u>	<u>60.6</u>
23. Unit Cap Factor (DER Net)	<u>90.0</u>	<u>90.7</u>	<u>60.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>5.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>54.0</u>	<u>767.9</u>

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

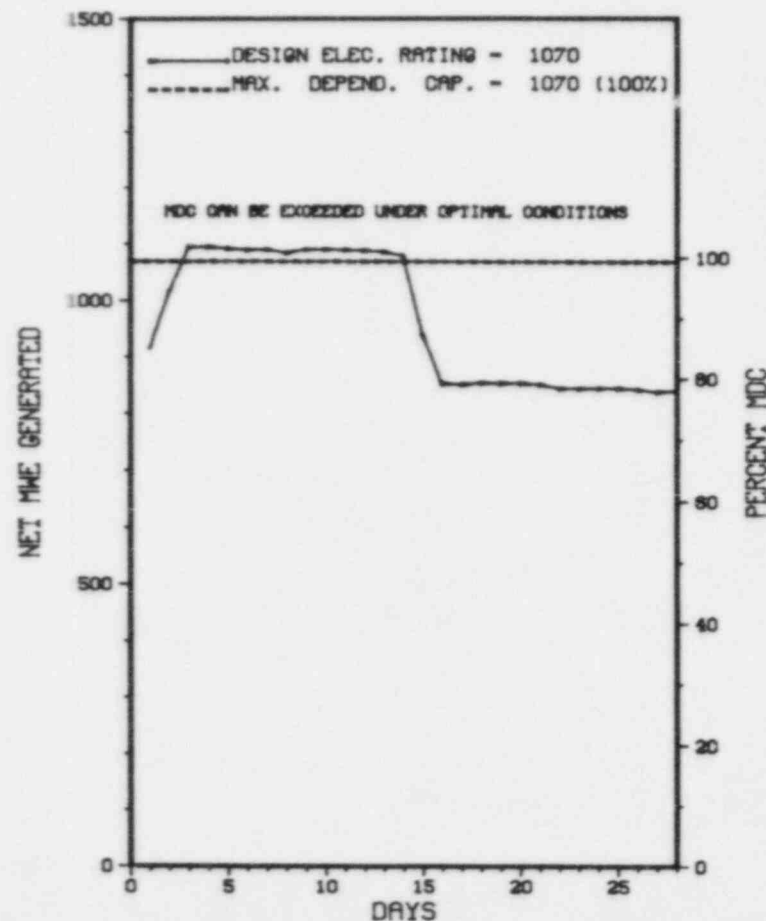
NONE

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

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 2 *

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

* SUMMARY *

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

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

* SAN ONOFRE 2 *

FACILITY DATA

Report Period FEB 1986

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JANUARY 6 - FEBRUARY 7, 1986 (REPORT NO. 50-361/86-01) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 13 - FEBRUARY 7, 1986 (REPORT NO. 50-361/86-02) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REVIEW OF LICENSEE REPORTS, GASEOUS WASTE SYSTEMS, RADIOLOGICAL ENVIRONMENTAL MONITORING, OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES, FACILITY TOURS AND FOLLOWUP ON INFORMATION NOTICES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JANUARY 11 - FEBRUARY 14, 1986 (REPORT NO. 50-361/86-05) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATION SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, ENGINEERED SAFETY FEATURE WALKDOWN, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 122 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 10-14, 1986 (REPORT NO. 50-361/86-06) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF ACTIVITIES ASSOCIATED WITH AUDITS, RECORDS, FIRE PROTECTION, AND LICENSEE ACTION ON INSPECTOR-IDENTIFIED

Report Period FEB 1986

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

* SAN ONOFRE 2 *

INSPECTION SUMMARY

ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ MEETING ON FEBRUARY 6, 1986 (REPORT NO. 50-361/86-07) AREAS INSPECTED: SPECIAL, ANNOUNCED MEETING WITH LICENSEE REPRESENTATIVES CONCERNING THEIR PLANS TO REDUCE THE QUANTITY OF RADIOACTIVE MATERIAL IN LIQUIDS DISCHARGED FROM THE SITE. DURING THIS MEETING, ONE INSPECTION PROCEDURE WAS ADDRESSED. THE MEETING INVOLVED THREE HOURS ONSITE BY TWO NRC INSPECTORS AND ONE REGION V MANAGEMENT REPRESENTATIVE.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 15 - MARCH 17, 1986 (REPORT NO. 50-361/86-08) INSPECTION CONTINUING; 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 IN FEBRUARY. ON FEBRUARY 14, 1986, POWER WAS REDUCED TO 80% DUE TO LOW BORON CONCENTRATIONS IN APPROACHING THE SCHEDULED MARCH 1986 REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 02/15-03/17/86+

INSPECTION REPORT NO: 50-361/86-08+

Report Period FEB 1986

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

* S A N O N O F R E 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-57-L0	12-16-85	01-14-86	SPURIOUS TGIS DUE TO ELECTRICAL SHORT
85-58-L0	12-10-85	01-09-86	TRIP ON LOW STEAM GENERATOR LEVEL / DUE TO I&C ISOLATING NITROGEN TO MSIV / AND MSIV CLOSURE
85-59-L0	12-11-85	01-10-86	SPURIOUS TGIS DUE TO TROUBLESHOOTING FAILED AMMONIA ANALYZER

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1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

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>672.0</u>	<u>1,416.0</u>	<u>16,776.0</u>
13. Hours Reactor Critical	<u>446.9</u>	<u>1,030.9</u>	<u>10,216.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>310.4</u>	<u>774.9</u>	<u>9,590.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>951,789</u>	<u>2,088,968</u>	<u>27,088,532</u>
18. Gross Elec Ener (MWH)	<u>312,365</u>	<u>678,660</u>	<u>9,050,062</u>
19. Net Elec Ener (MWH)	<u>282,164</u>	<u>615,384</u>	<u>8,422,731</u>
20. Unit Service Factor	<u>46.2</u>	<u>54.7</u>	<u>57.2</u>
21. Unit Avail Factor	<u>46.2</u>	<u>54.7</u>	<u>57.2</u>
22. Unit Cap Factor (MDC Net)	<u>38.9</u>	<u>40.2</u>	<u>46.5</u>
23. Unit Cap Factor (DER Net)	<u>38.9</u>	<u>40.2</u>	<u>46.5</u>
24. Unit Forced Outage Rate	<u>48.9</u>	<u>28.9</u>	<u>15.5</u>
25. Forced Outage Hours	<u>297.5</u>	<u>315.4</u>	<u>1,764.3</u>

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

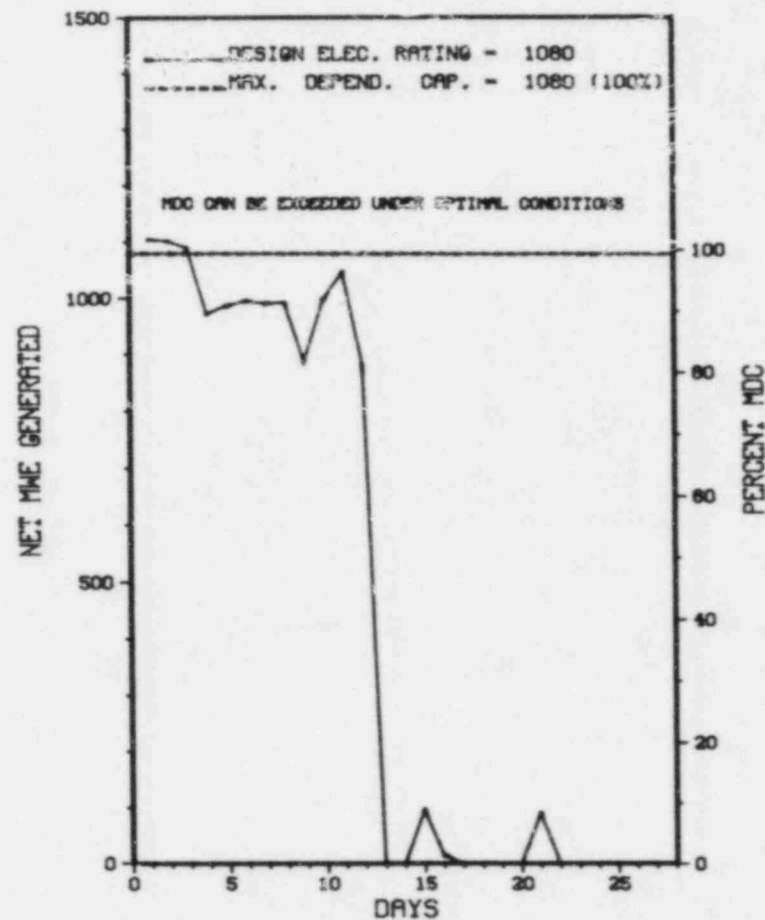
NONE

27. If Currently Shutdown Estimated Startup Date: 03/17/86

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
24	02/12/86	S	64.1	A	2		CC	CCL	REACTOR WAS MANUALLY TRIPPED AT 15% POWER FOR REPAIRS TO THE LEAKING COMPONENT COOLING WATER LINE FOR THE COOLING COIL OF REACTOR COOLANT PUMP 3P004 LOWER MOTOR BEARING. THE LEAK WAS CAUSED BY A BROKEN THREADED CONNECTION IN THE LINE.
25	02/16/86	F	53.6	A	4		KE	P	THE TURBINE WAS TRIPPED OFFLINE (REACTOR REMAINED CRITICAL) DUE TO BOTH SCREEN WASH PUMPS FAILURE AS A RESULT OF SUCTION STRAINERS PLUGGED WITH DEBRIS FROM STORM. DEBRIS HAD BEEN REMOVED FROM THE STRAINERS, RAKES AND SCREENS HAD BEEN REPAIRED, AND THE SCREEN WASH EQUIPMENT RETURNED TO SERVICE.
	02/17/86	F	69.1	H	4		TA	TRB	TURBINE RUPTURE DISCS FAILED DUE TO OVERPRESSURIZATION OF THE TURBINE EXHAUST HOOD. THE EXACT CAUSE OF THE OVERPRESSURIZATION COULD NOT BE DETERMINED, HOWEVER, A POSSIBLE CAUSE HAS BEEN ATTRIBUTED TO EXCESS ENERGY FROM GLAND STEAM WITH CONDENSER VACUUM BROKEN. APPROPRIATE PROCEDURES HAVE BEEN REVISED TO PREVENT RECURRENCE. THE FAILED RUPTURE DISCS HAVE BEEN REPLACED AND THE TURBINE RETURNED TO SERVICE.
26	02/21/86	F	174.8	A	2		EL	XFMR	MANUALLY TRIPPED THE TURBINE AND REACTOR FOR INVESTIGATION OF INCREASING COMBUSTIBLE GASES IN THE MAIN TRANSFORMER 3XM. REPLACEMENT OF THE MAIN TRANSFORMER WITH A SPARE IS IN PROGRESS. INVESTIGATION OF THE CAUSE OF THE INCREASE IN COMBUSTIBLE GASES IS CONTINUING.

 * SUMMARY *

SAN ONOFRE 3 INCURRED 3 OUTAGES IN FEBRUARY AS DISCUSSED ABOVE.

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

* SAN ONOFRE 3 *

FACILITY DATA

Report Period FEB 1986

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 JANUARY 6 - FEBRUARY 7, 1986 (REPORT NO. 50-362/86-01) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JANUARY 13 - FEBRUARY 7, 1986 (REPORT NO. 50-362/86-02) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REVIEW OF LICENSEE REPORTS, GASEOUS WASTE SYSTEMS, RADIOLOGICAL ENVIRONMENTAL MONITORING, OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES, FUEL FRAGMENT CONTAMINATION, FACILITY TOURS AND FOLLOWUP ON INFORMATION NOTICES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON JANUARY 11 - FEBRUARY 14, 1986 (REPORT NO. 50-362/86-05) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, ENGINEERED SAFETY FEATURE WALKDOWN, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS REVIEW AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE IDENTIFIED. THE INSPECTION INVOLVED 152 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.
- RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON FEBRUARY 10-14, 1986 (REPORT NO. 50-362/86-06) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF ACTIVITIES ASSOCIATED WITH AUDITS, RECORDS, FIRE PROTECTION, AND LICENSE ACTION ON INSPECTOR-IDENTIFIED ITEMS.

Report Period FEB 1986

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

* SAN ONOFRE 3 *

INSPECTION SUMMARY

DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ MEETING ON FEBRUARY 6, 1986 (REPORT NO. 50-362/86-07) AREAS INSPECTED: SPECIAL, ANNOUNCED MEETING WITH LICENSEE REPRESENTATIVES CONCERNING THEIR PLANS TO REDUCE THE QUANTITY OF RADIOACTIVE MATERIAL IN LIQUIDS DISCHARGED FROM THE SITE. DURING THIS MEETING, ONE INSPECTION PROCEDURE WAS ADDRESSED. THE MEETING INVOLVED THREE HOURS ONSITE BY TWO NRC INSPECTORS AND ONE REGION V MANAGEMENT REPRESENTATIVE.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 15 - MARCH 17, 1986 (REPORT NO. 50-362/86-08) INSPECTION CONTINUING; 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 ENTERED THE MONTH AT FULL POWER. ON FEBRUARY 12, 1986, THE UNIT WAS SHUT DOWN BY MANUAL REACTOR TRIP DUE TO REACTOR COOLANT PUMP LOWER BEARING COOLING COIL PROBLEMS. AFTER REPAIR THE UNIT ENTERED MODE 1 ON FEBRUARY 15, 1986, AND WAS MANUALLY TRIPPED ON FEBRUARY 16, 1986, DUE TO STORM DEBRIS IN THE CIRCULATING WATER INTAKE STRUCTURE. ON FEBRUARY 21, 1986, THE UNIT ENTERED MODE 1 AND WAS MANUALLY TRIPPED DUE TO A MAIN TRANSFORMER FAILURE. THE UNIT THEN REMAINED SHUTDOWN FOR THE REMAINDER OF THE MONTH. ALSO ON FEBRUARY 27, 1986, DURING COOLDOWN TO MODE 5, A LEAK IN A PRESSURIZER INSTRUMENT LINE AT THE PRESSURIZER HEAD WAS DISCOVERED.

LAST IE SITE INSPECTION DATE: 02/15-03/17/86+

INSPECTION REPORT NO: 50-362/86-08+

Report Period FEB 1986

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

* SAN ONOFRE 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE			
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1. Docket: 50-327 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: DAVID DUPREE (615) 870-6544

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

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

10. Power Level To Which Restricted, If Any (Net MWe):
NONE

11. Reasons for Restrictions, If Any:
NONE

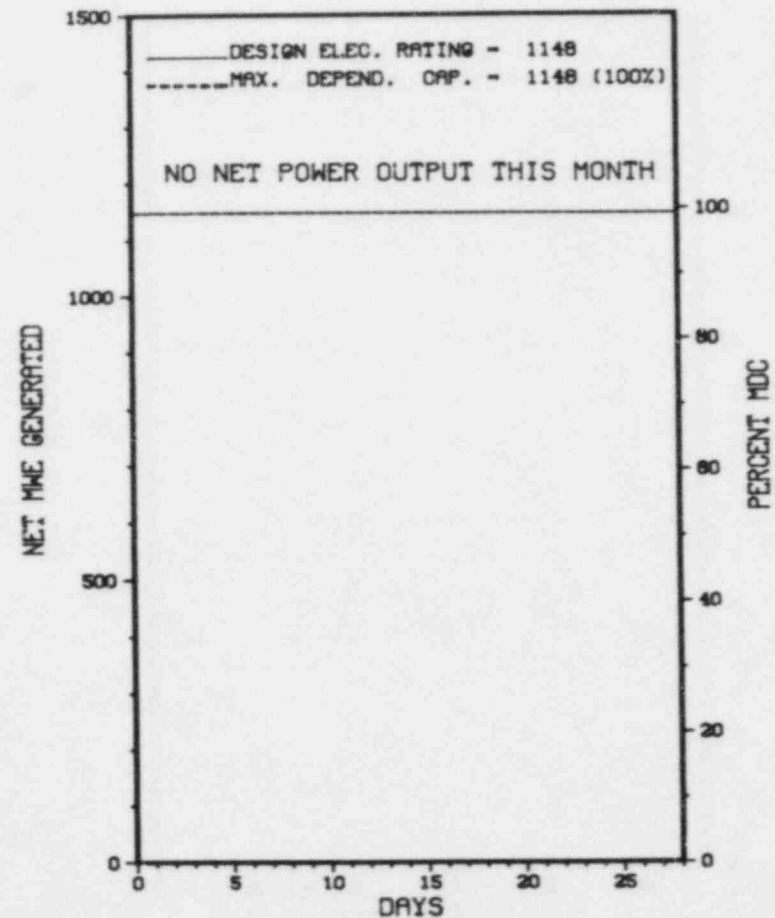
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>40,897.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>24,444.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>23,871.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>77,060,921</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>25,978,386</u>
19. Net Elec Ener (MWH)	<u>-2,959</u>	<u>-6,152</u>	<u>24,936,585</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>58.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>58.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>53.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>53.1</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>22.8</u>
25. Forced Outage Hours	<u>672.0</u>	<u>1,416.0</u>	<u>7,043.1</u>

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

27. If Currently Shutdown Estimated Startup Date: 06/15/86

 * SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SEQUOYAH 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
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7	12/20/85	F	672.0	F	4			
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10CFR50.49, ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT IMPORTANT TO PLANT SAFETY.

 * SUMMARY *

SEQUOYAH 1 REMAINS IN AN EXTENDED ADMINISTRATIVE SHUTDOWN.

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

* SEQUOYAH 1 *

FACILITY DATA

Report Period FEB 1986

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.....6 NORTH 38A LOOKOUT PLACE
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 DECEMBER 2-6 (85-45): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 247 INSPECTOR-HOURS ON SITE IN THE AREA OF MAINTENANCE ACTIVITIES. TWO VIOLATIONS WERE IDENTIFIED: TWO EXAMPLES OF FAILURE TO TAKE PROMPT CORRECTIVE ACTIONS IN RESOLVING PROBLEMS WITH UPPER HEAD INJECTION (UHI) LEVEL SWITCHES AND IN RESOLVING PROBLEMS ASSOCIATED WITH REVIEW OF COMPLETED MAINTENANCE REQUESTS (MRS); AND THREE EXAMPLES OF FAILURE TO FOLLOW PROCEDURES IN THE AREAS OF MOTOR OPERATED VALVE MODIFICATION, DEFINITION OF PREVENTATIVE MAINTENANCE FOR AUXILIARY AIR COMPRESSOR DRYERS, AND HOUSEKEEPING OF CONTAMINATED WORK AREAS.

INSPECTION DECEMBER 6 - JANUARY 5, 1986 (85-47): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 138 RESIDENT INSPECTOR-HOURS ON SITE 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 INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION FOR FAILURE TO FOLLOW PROCEDURE WAS IDENTIFIED WITH THREE EXAMPLES.

INSPECTION DECEMBER 16-20 (85-48): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 33 INSPECTOR-HOURS ON SITE IN THE AREA OF PREVIOUS DESIGN CONTROL ADEQUACY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 16-20 (85-49): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS PERTAINING TO SAFETY-RELATED CABLE TRAY SUPPORT SYSTEMS, AND SAFETY-RELATED PIPE SUPPORT AND RESTRAINT SYSTEMS. ONE VIOLATION WAS IDENTIFIED - INSPECTION AND INSTALLATION PROBLEMS FOR SEISMICALLY DESIGNED PIPE SUPPORTS.

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*          SEQUOYAH 1          *
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INSPECTION SUMMARY

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF GASEOUS AND LIQUID RADWASTE SYSTEMS; RADIOLOGICAL EFFLUENT ACCOUNTABILITY; REACTOR COOLANT AND SECONDARY WATER TECHNICAL SPECIFICATION CHEMISTRY REQUIREMENTS; AND REVIEW OF SELECTED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-8 (86-03): THIS SPECIAL, UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL EMERGENCY PREPAREDNESS AS REFLECTED IN SECTION V OF THE SEQUOYAH NUCLEAR PERFORMANCE PLAN. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 21-24 (86-08): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 80 INSPECTOR-HOURS AT THE SEQUOYAH SITE, AT THE WATTS BAR SITE, AND AT THE CORPORATE OFFICES IN KNOXVILLE TO CONDUCT A PROGRAMMATIC REVIEW OF THE TVA EMPLOYEE CONCERNS PROGRAM FACETS APPLICABLE EITHER SPECIFICALLY OR GENERICALLY TO THE SEQUOYAH SITE. AREAS INSPECTED INCLUDED EVALUATION OF CRITERIA AND PROCEDURES USED BY TVA TO SCREEN EMPLOYEE CONCERNS FOR APPLICABILITY TO SEQUOYAH AND FOR SAFETY SIGNIFICANCE, REVIEW OF PROGRAM IMPLEMENTATION, REVIEW OF TVA OVERSIGHT OF THE SEQUOYAH EMPLOYEE CONCERN RESOLUTION EFFORT, AND VERIFICATION OF EMPLOYEE CONCERN PROGRAM TRAINING AND SAFETY NOTICES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE INSPECTORS HAD OBSERVATIONS RELATIVE TO THE PROCEDURES AND CRITERIA USED TO CATEGORIZE AND PRIORITIZE EMPLOYEE CONCERNS AND THE CONSISTENCY OF PROGRAM IMPLEMENTATION.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1 REQUIREMENT, IN THE INSTANCES CITED BELOW, THE LICENSEE INADEQUATELY ESTABLISHED OR MAINTAINED SURVEILLANCE INSTRUCTIONS AND SYSTEM OPERATING INSTRUCTIONS. (A) SI-256, PERIODIC CALIBRATION OF OVERCURRENT RELAYS AND DISTANCE RELAYS ON 6.9 KV REACTOR COOLANT PUMPS ON 6.9 KV UNIT BOARDS, CONTAINS THE FOLLOWING INADEQUATE ACCEPTANCE CRITERIA: (1) FOR PRIMARY OVERCURRENT PROTECTIVE DEVICES, THE PROCEDURE ESTABLISHES A TRIP SETPOINT AMPERAGE TOLERANCE VALUE OF PLUS OR MINUS 5 PERCENT. TS TABLE 3.8-1 FOR BOTH UNITS REQUIRES A PLUS OR MINUS PERCENTAGE TOLERANCE. (2) FOR PRIMARY OVERCURRENT PROTECTIVE DEVICES, THE PROCEDURE ESTABLISHES A 75 DEGREE IMPEDANCE ANGLE OF MAXIMUM TORQUE. THE PROPER VALUE IS 105 DEGREES. (3) FOR PRIMARY OVERCURRENT PROTECTIVE DEVICES, THE PROCEDURE REQUIRES DISTANCE RELAY TARGETS TO OPERATE BETWEEN 1.0 AND 2.0 AMPERES WITH DC VOLTAGE APPLIED. THE VENDOR MANUAL FOR THESE TYPE IAC 66K RELAYS REQUIRES PROPER OPERATION BETWEEN 0.1 AND 2.0 AMPERES. (B) PROCEDURE SOI 30.6, AUXILIARY BUILDING GAS TREATMENT SYSTEM, LISTED USE OF FUSES WITH INCORRECT AMPERAGE RATINGS AND PRESCRIBED POSITIONING OF A BLOCK SWITCH WHICH HAD BEEN PREVIOUSLY DISCONNECTED FROM THE CIRCUIT. (C) INSTRUMENT MAINTENANCE PROCEDURE IMI-99, REACTOR PROTECTION SYSTEM CALIBRATION AND FUNCTIONAL TESTING, PRESCRIBED USE OF INADEQUATE MEASURING AND TEST EQUIPMENT. THE MEASURING AND TEST EQUIPMENT PRESCRIBED WAS ONLY 2 TO 2.5 TIMES MORE ACCURATE THAN THE MEASURED PARAMETER WHEN THE SETPOINT METHODOLOGY USED TO DETERMINE REACTOR PROTECTION SETPOINTS ASSUMED THE EQUIPMENT WAS TEN TIMES MORE ACCURATE THAN THE MEASURED PARAMETER.

CONTRARY TO TS 6.5.1.6.D, THE PORC FAILED TO CONDUCT A FORMAL REVIEW OF THE POTENTIAL NUCLEAR SAFETY HAZARDS ASSOCIATED WITH ACCURACY OF MEASURING AND TEST EQUIPMENT (M&TE) USED FOR CALIBRATION OF REACTOR PROTECTION SYSTEM (RPS) INSTRUMENTATION. THE M&TE ACCURACY FOR SUCH TEST EQUIPMENT AS FLUKE 8600 AND ASHCROFT DIGIGAGE USED FOR CALIBRATING RPS INSTRUMENTATION DID NOT MEET THE ACCURACY ASSUMPTIONS USED IN THE SETPOINT METHODOLOGY FOR RPS TRIP SETPOINTS. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, AND SEQUOYAH INSPECTION INSTRUCTION NO. 66, INSPECTION SUPPORTS, BETWEEN DECEMBER 16-20, 1985, ACTIVITIES AFFECTING QUALITY HAD NOT BEEN ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND DRAWINGS IN THAT A FIELD INSPECTION OF EIGHT SUPPORTS REVEALED FOUR SEISMICALLY DESIGNED SUPPORTS WITH DEVIATIONS FROM THE DOCUMENTED REQUIREMENTS. (8504 4)

CONTRARY TO TS 6.8.1 REQUIREMENTS FOR PROCEDURE IMPLEMENTATION SI-256 AND AI-4 PROCEDURES WERE NOT IMPLEMENTED IN THAT: (A) INITIAL AND INDEPENDENT VERIFICATION SIGNOFFS FOR CONFORMANCE TO SI-256 RELAY TEST RECORD SHEET ACCEPTANCE CRITERIA WERE MADE WHEN THE RECORDED VALUE WAS OUTSIDE THE PROCEDURE ACCEPTANCE CRITERIA. IN ADDITION, SUPERVISORY REVIEW OF THE SURVEILLANCE PACKAGE DID NOT IDENTIFY THESE DEFICIENCIES. (B) PROPER PROCEDURE CHANGE CONTROL REQUIREMENTS OF AI-4 WERE NOT IMPLEMENTED FOR PEN AND INK CHANGES MADE IN THE UNITS OF MEASURE FOR RELAY TEST RECORD PARAMETERS OF SI-256. SUPERVISORY REVIEW OF THE SURVEILLANCE PACKAGE

INSPECTION STATUS - (CONTINUED)

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*          SEQUOYAH 1          *
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DID NOT IDENTIFY THESE DEFICIENCIES.
(8504 5)

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-327/86-08 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-065	10/31/85	11/27/85	DIESEL GENERATOR START AND AN AUXILIARY BUILDING ISOLATION. THE "1B" START BUS ALTERNATE FEEDER BREAKER RACKING MECHANISM WAS FOUND TO HAVE A BENT RACKING LEVER.

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1. Docket: 50-328 O P E R A T I N G S T A T I S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: DAVID DUPREE (615) 870-6544

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

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

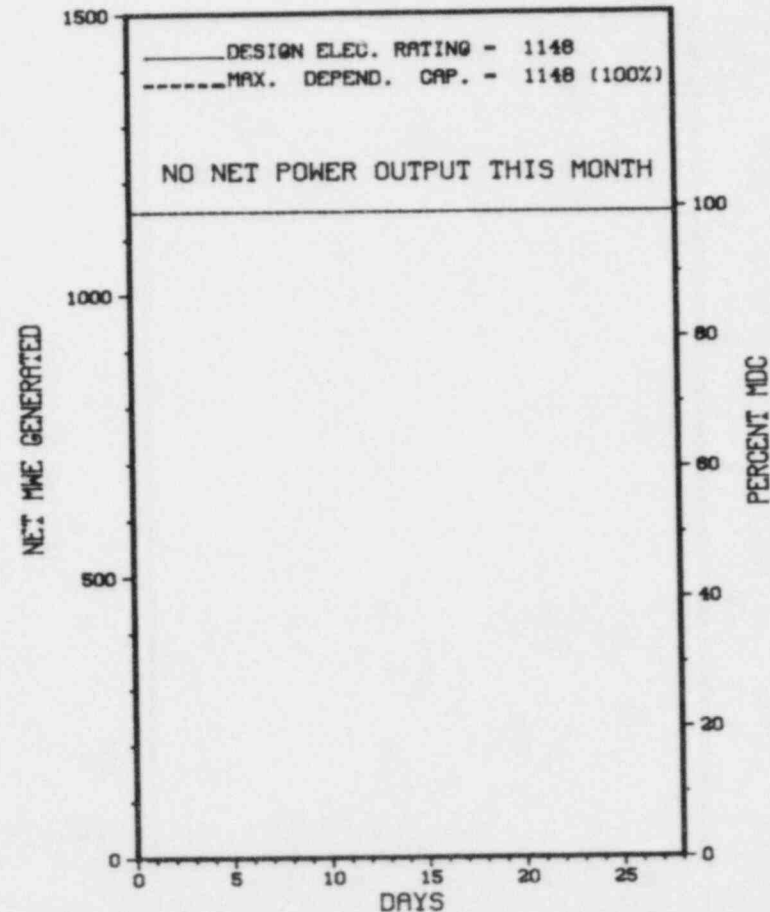
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>32,857.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</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>.0</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>0</u>	<u>69,127,974</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>23,536,780</u>
19. Net Elec Ener (MWH)	<u>-3,691</u>	<u>-6,907</u>	<u>22,625,051</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>65.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>65.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>60.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>60.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>23.3</u>
25. Forced Outage Hours	<u>672.0</u>	<u>1,416.0</u>	<u>6,539.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>06/15/86</u>			

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 2



FEBRUARY 1986

Report Period FEB 1986

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	672.0	F	4				10CFR50.49, ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT IMPORTANT TO PLANT SAFETY.

 * SUMMARY *

SEQUOYAH 2 REMAINS IN AN EXTENDED ADMINISTRATIVE SHUTDOWN.

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

* SEQUOYAH 2 *

FACILITY DATA

Report Period FEB 1986

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.....6 NORTH 38A LOOKOUT PLACE
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 DECEMBER 2-6 (85-45): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 247 INSPECTOR-HOURS ON SITE IN THE AREA OF MAINTENANCE ACTIVITIES. TWO VIOLATIONS WERE IDENTIFIED: TWO EXAMPLES OF FAILURE TO TAKE PROMPT CORRECTIVE ACTIONS IN RESOLVING PROBLEMS WITH UPPER HEAD INJECTION (UHI) LEVEL SWITCHES AND IN RESOLVING PROBLEMS ASSOCIATED WITH REVIEW OF COMPLETED MAINTENANCE REQUESTS (MRS); AND THREE EXAMPLES OF FAILURE TO FOLLOW PROCEDURES IN THE AREAS OF MOTOR OPERATED VALVE MODIFICATION, DEFINITION OF PREVENTATIVE MAINTENANCE FOR AUXILIARY AIR COMPRESSOR DRYERS, AND HOUSEKEEPING OF CONTAMINATED WORK AREAS.

INSPECTION DECEMBER 6 - JANUARY 5, 1986 (85-47): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 138 RESIDENT INSPECTOR-HOURS ON SITE 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 INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION FOR FAILURE TO FOLLOW PROCEDURE WAS IDENTIFIED WITH THREE EXAMPLES.

INSPECTION DECEMBER 16-20 (85-48): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 33 INSPECTOR-HOURS ON SITE IN THE AREA OF PREVIOUS DESIGN CONTROL ADEQUACY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 16-20 (85-49): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS PERTAINING TO SAFETY-RELATED CABLE TRAY SUPPORT SYSTEMS, AND SAFETY-RELATED PIPE SUPPORT AND RESTRAINT SYSTEMS. ONE VIOLATION WAS IDENTIFIED - INSPECTION AND INSTALLATION PROBLEMS FOR SEISMICALLY DESIGNED PIPE SUPPORTS.

INSPECTION SUMMARY

INSPECTION JANUARY 6-10 (86-02): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 23 INSPECTOR-HOURS ON SITE IN THE AREAS OF GASEOUS AND LIQUID RADWASTE SYSTEMS; RADIOLOGICAL EFFLUENT ACCOUNTABILITY; REACTOR COOLANT AND SECONDARY WATER TECHNICAL SPECIFICATION CHEMISTRY REQUIREMENTS; AND REVIEW OF SELECTED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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INSPECTION JANUARY 21-24 (86-08): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 80 INSPECTOR-HOURS AT THE SEQUOYAH SITE AT THE WATTS BAR SITE, AND AT THE CORPORATE OFFICES IN KNOXVILLE TO CONDUCT A PROGRAMMATIC REVIEW OF THE TVA EMPLOYEE CONCERNS PROGRAM FACETS APPLICABLE EITHER SPECIFICALLY OR GENERICALLY TO THE SEQUOYAH SITE. AREAS INSPECTED INCLUDED EVALUATION OF CRITERIA AND PROCEDURES USED BY TVA TO SCREEN EMPLOYEE CONCERNS FOR APPLICABILITY TO SEQUOYAH AND FOR SAFETY SIGNIFICANCE, REVIEW OF PROGRAM IMPLEMENTATION, REVIEW OF TVA OVERSIGHT OF THE SEQUOYAH EMPLOYEE CONCERN RESOLUTION EFFORT, AND VERIFICATION OF EMPLOYEE CONCERN PROGRAM TRAINING AND SAFETY NOTICES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE INSPECTORS HAD OBSERVATIONS RELATIVE TO THE PROCEDURES AND CRITERIA USED TO CATEGORIZE AND PRIORITIZE EMPLOYEE CONCERNS AND THE CONSISTENCY OF PROGRAM IMPLEMENTATION.

ENFORCEMENT SUMMARY

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INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X              SEQUOYAH 2              X
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DID NOT IDENTIFY THESE DEFICIENCIES.
(8504 5)

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ MODE 5.

LAST IE SITE INSPECTION DATE: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-328/P6-08 +

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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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: 02/01/86 Outage + On-line Hrs: 672.0

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):

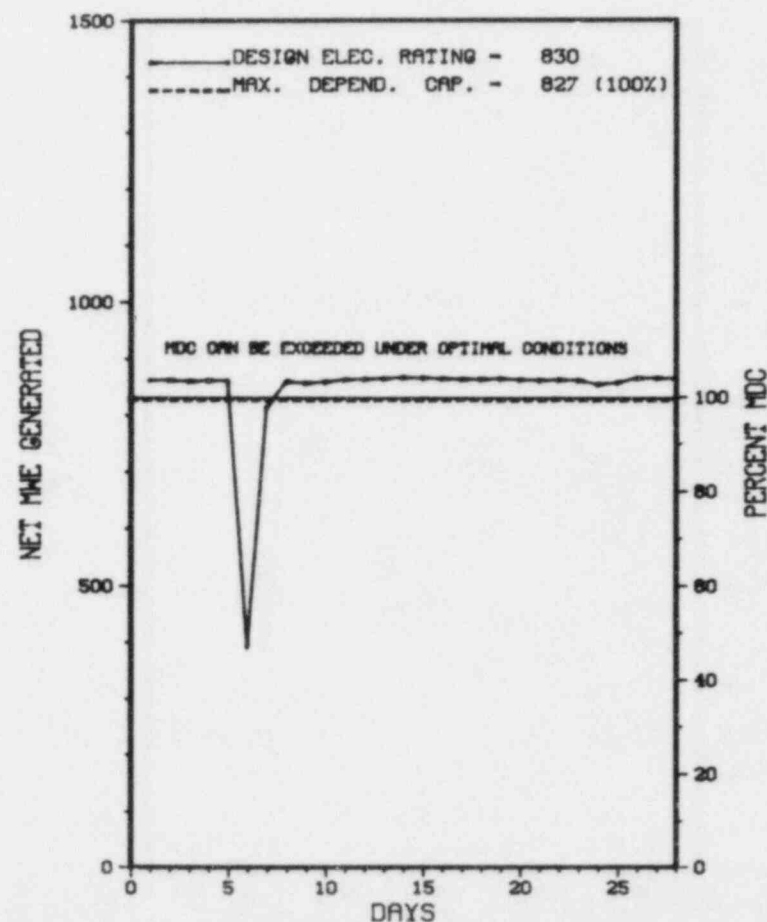
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>80,568.0</u>
13. Hours Reactor Critical	<u>663.6</u>	<u>1,407.6</u>	<u>58,563.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>661.1</u>	<u>1,403.6</u>	<u>57,206.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,773,239</u>	<u>3,736,950</u>	<u>144,627,185</u>
18. Gross Elec Ener (MWH)	<u>596,690</u>	<u>1,260,400</u>	<u>47,316,905</u>
19. Net Elec Ener (MWH)	<u>567,109</u>	<u>1,197,903</u>	<u>44,622,117</u>
20. Unit Service Factor	<u>98.4</u>	<u>99.1</u>	<u>71.0</u>
21. Unit Avail Factor	<u>98.4</u>	<u>99.1</u>	<u>71.1</u>
22. Unit Cap Factor (MDC Net)	<u>102.0</u>	<u>102.3</u>	<u>67.0</u>
23. Unit Cap Factor (DER Net)	<u>101.7</u>	<u>101.9</u>	<u>66.7</u>
24. Unit Forced Outage Rate	<u>1.6</u>	<u>.9</u>	<u>4.3</u>
25. Forced Outage Hours	<u>10.9</u>	<u>12.4</u>	<u>2,567.2</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>			

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * ST LUCIE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
01	02/06/86	F	10.9	A	3	335-86-02	1A	CKTBRK	WHILE AT FULL POWER, AN AUTOMATIC REACTOR TRIP OCCURRED DURING THE MONTHLY REACTOR PROTECTION SYSTEM (RPS), LOGIC MATRIX TEST. A FAILED RPS RELAY TRIP SELECT SWITCH ALLOWED A LOGIC MATRIX RELAY TO DEENERGIZE OUT OF SEQUENCE CAUSING THE TRIP. THE SWITCH WAS REPLACED AND THE UNIT RETURNED TO POWER.

 * SUMMARY *

ST. LUCIE 1 OPERATED WITH 1 SHUTDOWN IN FEBRUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 FEB 1986

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.....E. TOURIGNY
DOCKET NUMBER.....50-335
LICENSE & DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 16-20 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 10 - JANUARY 13, 1986 (85-36): THIS INSPECTION INVOLVED 112 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND INSPECTION AND ENFORCEMENT INFORMATION NOTICE REVIEW. IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION JANUARY 21-22 (86-03): THIS SPECIAL ANNOUNCED INSPECTION ENTAILED 3.5 INSPECTOR-HOURS ON SITE AND 2.5 HOURS IN THE CORPORATE OFFICE AT JUNO BEACH IN THE AREA OF FIRE PROTECTION AND FOLLOWUP ON PREVIOUSLY NRC IDENTIFIED FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period FEB 1986

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

* ST LUCIE 1 *

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: JANUARY 21-22, 1986 +

INSPECTION REPORT NO: 50-335/86-03 +

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
-----
85-009    11/06/85    12/06/85    DEFECTIVE PROCEDURE LEADS TO LIFT RIG FAILURE.  ROOT CAUSE OF THE INSUFFICIENT LIFTING BOLT
          11/06/85    12/06/85    THREAD ENGAGEMENT WAS DUE TO A DEFICIENCY IN THE MAINTENANCE PROCEDURE.
85-012    12/19/85    01/20/86    ISI SNUBBER INSPECTION FAILURES.  THE CAUSES OF THE VARIOUS SNUBBER FAILURES INCLUDED DESIGN AND
          12/19/85    01/20/86    PERSONNEL ERRORS.
=====
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1. Docket: 50-389 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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: NONE

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

11. Reasons for Restrictions, If Any: NONE

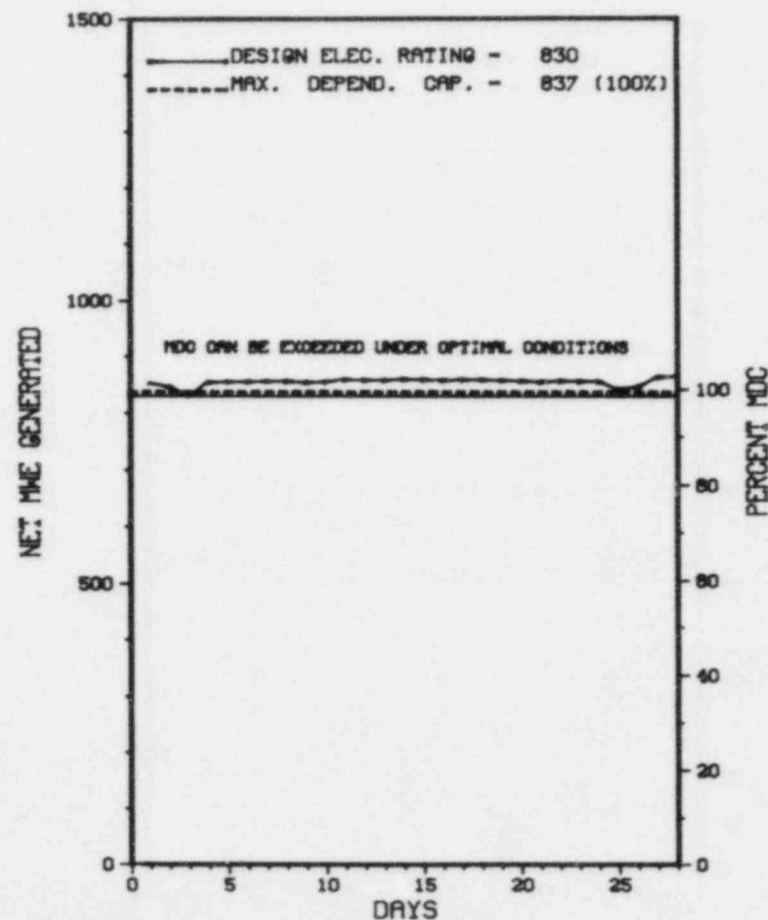
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>22,465.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,400.2</u>	<u>19,449.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,383.5</u>	<u>18,955.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,806,646</u>	<u>3,698,090</u>	<u>48,344,624</u>
18. Gross Elec Ener (MWH)	<u>605,310</u>	<u>1,240,990</u>	<u>16,157,670</u>
19. Net Elec Ener (MWH)	<u>574,584</u>	<u>1,176,689</u>	<u>15,247,732</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.7</u>	<u>84.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.7</u>	<u>84.4</u>
22. Unit Cap Factor (MDC Net)	<u>102.2</u>	<u>99.3</u>	<u>81.1</u>
23. Unit Cap Factor (DER Net)	<u>103.0</u>	<u>100.1</u>	<u>81.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>10.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>32.5</u>	<u>2,159.1</u>

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

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

 * ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 ST LUCIE 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

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

* SUMMARY *

ST. LUCIE 2 OPERATED ROUTINELY IN FEBRUARY 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 2 *

FACILITY DATA

Report Period FEB 1986

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.....E. TOURIGNY
 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 DECEMBER 16-20 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 10 - JANUARY 13, 1986 (85-36): THIS INSPECTION INVOLVED 112 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND INSPECTION AND ENFORCEMENT INFORMATION NOTICE REVIEW. IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION JANUARY 21-22 (86-02): THIS SPECIAL ANNOUNCED INSPECTION ENTAILED 3.5 INSPECTOR-HOURS ON SITE AND 2.5 HOURS IN THE CORPORATE OFFICE AT JUNO BEACH IN THE AREA OF FIRE PROTECTION AND FOLLOWUP ON PREVIOUSLY NRC IDENTIFIED FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* ST LUCIE 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ NORMAL OPERATIONS. REFUELING OUTAGE SCHEDULED FOR 3/30/86.

LAST IE SITE INSPECTION DATE: JANUARY 21-22, 1986 +

INSPECTION REPORT NO: 50-389/86-02 +

REPORTS FROM LICENSEE

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

NONE.			
=====			

1. Docket: 50-395 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>18,960.0</u>
13. Hours Reactor Critical	<u>628.7</u>	<u>1,372.7</u>	<u>13,366.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>614.9</u>	<u>1,358.9</u>	<u>12,999.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,638,382</u>	<u>3,677,538</u>	<u>33,515,104</u>
18. Gross Elec Ener (MWH)	<u>548,290</u>	<u>1,229,760</u>	<u>11,160,383</u>
19. Net Elec Ener (MWH)	<u>523,973</u>	<u>1,178,127</u>	<u>10,605,174</u>
20. Unit Service Factor	<u>91.5</u>	<u>96.0</u>	<u>68.6</u>
21. Unit Avail Factor	<u>91.5</u>	<u>96.0</u>	<u>68.6</u>
22. Unit Cap Factor (MDC Net)	<u>88.1</u>	<u>94.0</u>	<u>63.2</u>
23. Unit Cap Factor (DER Net)	<u>86.6</u>	<u>92.4</u>	<u>62.1</u>
24. Unit Forced Outage Rate	<u>8.5</u>	<u>4.0</u>	<u>7.9</u>
25. Forced Outage Hours	<u>57.1</u>	<u>57.1</u>	<u>1,117.8</u>

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

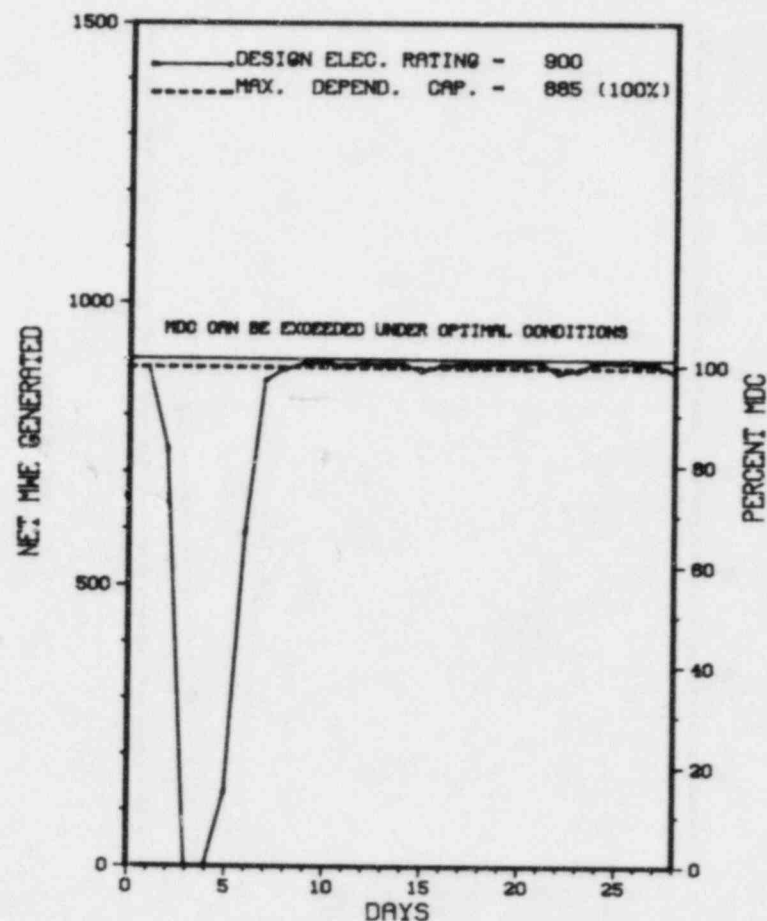
NONE

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

* SUMMER 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	02/02/86	F	57.1	B	3			TAGOUT CAUSED LOSS OF CONDENSATE FLOW. SI OCCURRED DURING RESTART.

* SUMMARY *

SUMMER 1 OPERATED IN FEBRUARY WITH 1 SHUTDOWN AS DESCRIBED ABOVE.

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

* SUMMER 1 *

FACILITY DATA

Report Period FEB 1986

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.....R. PREVATTE
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 DECEMBER 1-31 (85-46): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 360 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON NONROUTINE EVENTS AND REPORTS, SURVEILLANCE OBSERVATIONS OF SAFETY RELATED SYSTEMS, OBSERVATION OF MAINTENANCE ACTIVITIES, FOLLOWUP OF OPERATIONAL EVENTS, OPERATIONAL SAFETY VERIFICATIONS, PLANT STARTUP FROM REFUELING, ENGINEERED SAFETY SYSTEMS, ORGANIZATIONAL AND ADMINISTRATIVE ACTIVITIES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 37 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF PLANT CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 1-31 (86-02): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 263 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON NONROUTINE EVENTS AND REPORTS, SURVEILLANCE OBSERVATIONS OF SAFETY RELATED SYSTEMS, OBSERVATION OF MAINTENANCE ACTIVITIES, FOLLOWUP OF OPERATIONAL EVENTS, ESF SYSTEM WALKDOWN, OPERATIONAL SAFETY VERIFICATIONS, PLANT PHYSICAL PROTECTION AND INFORMATION MEETING WITH LOCAL OFFICIALS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* SUMMER 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 1-31, 1986 +

INSPECTION REPORT NO: 50-395/86-02 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-031	10/14/85	11/13/85	STEAM GENERATOR TUBE EDDY CURRENT EXAMINATION. TUBE DEGRADATION APPEARS TO BE RELATED TO STRESSES FROM IMPROPER ROLLING OF THE TUBES.
85-033	12/11/85	01/10/86	REACTOR VESSEL LEVEL INDICATION SYSTEM ERROR. CORRECTIVE ACTION WILL BE TO RE-SCALE RVLIS FOR THE STEAM DENSITY COMPENSATION.
85-034	12/25/85	01/24/86	REACTOR TRIP WITH SAFETY INJECTION. THE CAUSE OF THIS EVENT WAS IMPROPER ASSEMBLY OF THE POSITIONER PILOT VALVE.

1. Docket: 50-280 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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):
NONE

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>115,608.0</u>
13. Hours Reactor Critical	<u>504.8</u>	<u>1,047.9</u>	<u>73,376.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>494.0</u>	<u>1,014.7</u>	<u>71,852.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,145,190</u>	<u>2,319,634</u>	<u>165,676,560</u>
18. Gross Elec Ener (MWH)	<u>383,835</u>	<u>766,915</u>	<u>53,538,848</u>
19. Net Elec Ener (MWH)	<u>364,466</u>	<u>727,070</u>	<u>50,757,199</u>
20. Unit Service Factor	<u>73.5</u>	<u>71.7</u>	<u>62.2</u>
21. Unit Avail Factor	<u>73.5</u>	<u>71.7</u>	<u>65.4</u>
22. Unit Cap Factor (MDC Net)	<u>69.4</u>	<u>65.7</u>	<u>56.2</u>
23. Unit Cap Factor (DER Net)	<u>68.8</u>	<u>65.2</u>	<u>55.7</u>
24. Unit Forced Outage Rate	<u>2.1</u>	<u>5.2</u>	<u>18.9</u>
25. Forced Outage Hours	<u>10.5</u>	<u>56.0</u>	<u>13,037.3</u>

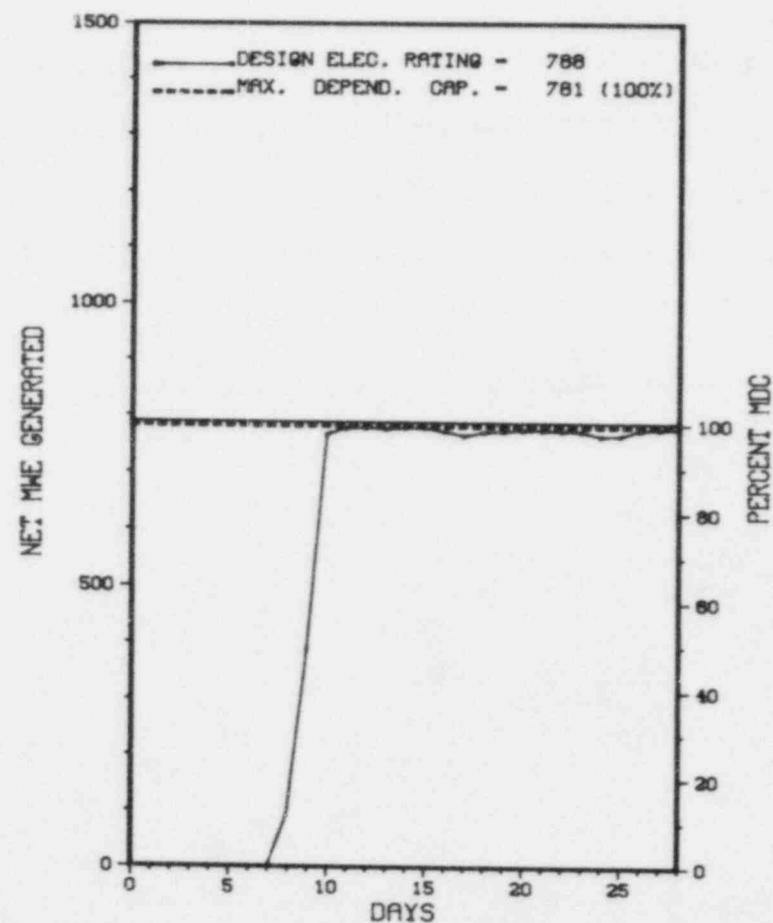
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING: 05/09/86 - 48 DAYS.

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

* SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-03	01/24/86	S	167.5	A	4				CONTINUATION OF SNUBBER OUTAGE.
86-04	02/07/86	F	10.5	A	3				REACTOR TRIP BY TURBINE TRIP, CAUSED BY "C" STEAM GENERATOR HIGH LEVEL DURING STARTUP. HIGH LEVEL CAUSED BY THE "C" BYPASS VALVE FAILING OPEN. CORRECTIVE ACTION - TECHNICAL BLEW MOISTURE OUT OF SENSING LINES TO THE BYPASS VALVE.

 * SUMMARY *

 SURRY 1 INCURRED 2 SHUTDOWNS IN FEBRUARY AS DISCUSSED ABOVE.

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

* SURRY 1 *

FACILITY DATA

Report Period FEB 1986

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.....C. PATEL
DOCKET NUMBER.....50-280
LICENSE & DATE ISSUANCE...DPR-32, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 30 - JANUARY 3, 1986 (85-39): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE AND SURVEILLANCE TESTING OF THE PRESSURIZER CODE SAFETY VALVES AND THE MAIN STEAM CODE SAFETY VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF LIQUID AND GASEOUS RADWASTE SYSTEMS, LIQUID AND GASEOUS EFFLUENT SAMPLING, ANALYSIS, MONITORING AND REPORTING, AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* SURRY 1 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: JANUARY 6-10, 1986 +

INSPECTION REPORT NO: 50-280/86-01 +

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-021	11/14/85	12/11/86	INADVERTENT ESF ACTUATION. AUXILIARY FEED PUMP STARTED BECAUSE OF AN OPEN COIL IN BFD RELAY.

=====

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

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
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86-02	02/16/86	S	206.1	H	3				
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UNIT SHUTDOWN FOR SNUBBER OUTAGE. REACTOR
 TRIPPED ON "B" S/G HIGH LEVEL AFTER THE
 GENERATOR WAS OFF THE LINE. CAUSE OF S/G
 HIGH LEVEL WAS EXCESSIVE LEAKAGE THRU THE
 FEED REGULATING AND BYPASS VALVES. CORRECTIVE
 ACTION - MAINTENANCE PERFORMED ON VALVE DURING
 OUTAGE.

 * SUMMARY *

SURRY 2 INCURRED 1 SHUTDOWN IN FEBRUARY FOR SNUBBER AND OTHER MAINTENANCE. SEE DETAILS ABOVE.

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

* SURRY 2 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PHR
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.....C. PATEL
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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 30 - JANUARY 3, 1986 (85-39): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE AND SURVEILLANCE TESTING OF THE PRESSURIZER CODE SAFETY VALVES AND THE MAIN STEAM CODE SAFETY VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6-10 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF LIQUID AND GASEOUS RADWASTE SYSTEMS, LIQUID AND GASEOUS EFFLUENT SAMPLING, ANALYSIS, MONITORING AND REPORTING, AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INSPECTION STATUS - (CONTINUED)

* SURRY 2 *

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: JANUARY 6-10, 1986 +

INSPECTION REPORT NO: 50-281/86-01 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-012	10/26/85	11/25/85	INADVERTENT DILUTION. THE FLOW TRANSMITTER TO THE BORIC ACID INTEGRATOR WAS OUT OF CALIBRATION
85-013	11/07/85	12/06/85	TURBINE TRIP/RX TRIP-HI S.G. LEVEL. CAUSE - OPERATOR'S LACK OF EXPERIENCE.
85-014	12/26/85	01/22/86	ROD CONTROL URGENT FAILURE. THE PROBLEM WAS FOUND TO BE IN THE LOGIC CABINET PULSER CARD.

1. Docket: 50-387 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: J. A. HIRT (717) 542-3917

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>672.0</u>	<u>1,416.0</u>	<u>23,929.0</u>
13. Hours Reactor Critical	<u>337.8</u>	<u>1,081.8</u>	<u>17,074.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>671.1</u>
15. Hrs Generator On-Line	<u>337.0</u>	<u>1,081.0</u>	<u>16,701.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,069,170</u>	<u>3,420,677</u>	<u>51,000,950</u>
18. Gross Elec Ener (MWH)	<u>349,286</u>	<u>1,118,896</u>	<u>16,617,888</u>
19. Net Elec Ener (MWH)	<u>331,508</u>	<u>1,072,624</u>	<u>15,961,850</u>
20. Unit Service Factor	<u>50.1</u>	<u>76.3</u>	<u>69.8</u>
21. Unit Avail Factor	<u>50.1</u>	<u>76.3</u>	<u>69.8</u>
22. Unit Cap Factor (MDC Net)	<u>47.8</u>	<u>73.4</u>	<u>64.6</u>
23. Unit Cap Factor (DER Net)	<u>46.3</u>	<u>71.1</u>	<u>62.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,980.1</u>

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

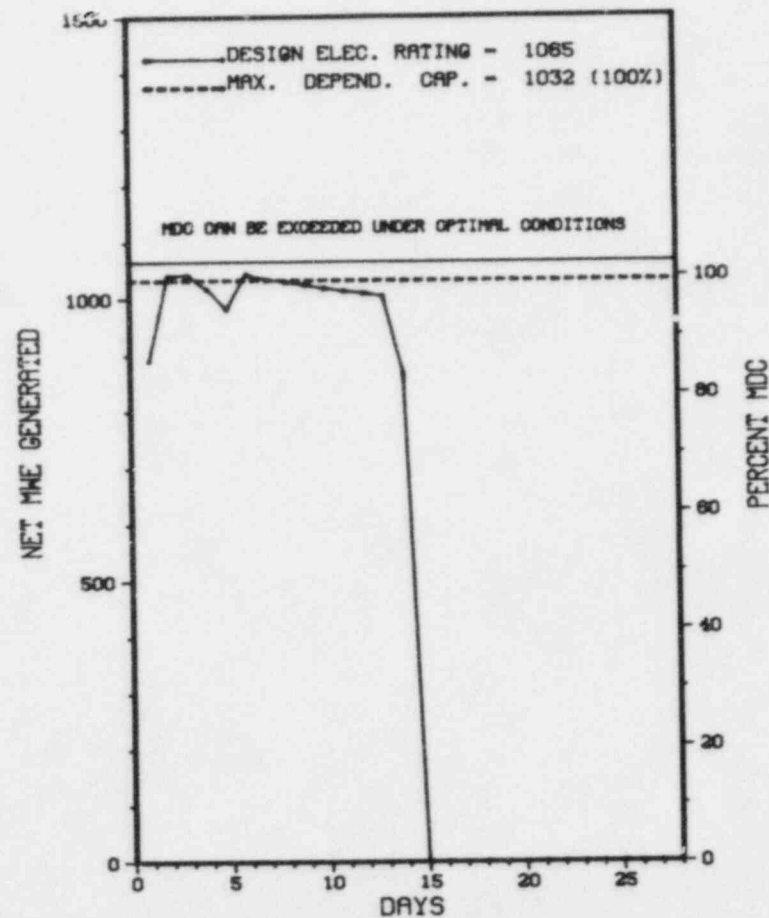
NONE

27. If Currently Shutdown Estimated Startup Date: 05/18/86

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/15/86	S	335.0	C	2		RC	FUELXX	MANUAL SCRAM TO COMMENCE SECOND REFUELING OUTAGE.

 * SUMMARY *

SUSQUEHANNA 1 BEGAN ON REFUELING OUTAGE ON FEBRUARY 15.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	6-Other	(LER) File (NUREG-0161)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period FEB 1986

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 FEB 1986

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: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: J. A. HIRT (717) 542-3917

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>672.0</u>	<u>1,416.0</u>	<u>9,168.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,282.4</u>	<u>8,403.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>133.6</u>	<u>693.9</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,257.6</u>	<u>8,252.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,161,190</u>	<u>3,951,679</u>	<u>25,982,477</u>
18. Gross Elec Ener (MWH)	<u>715,402</u>	<u>1,305,762</u>	<u>8,518,562</u>
19. Net Elec Ener (MWH)	<u>690,779</u>	<u>1,257,746</u>	<u>8,212,056</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.8</u>	<u>90.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.8</u>	<u>90.0</u>
22. Unit Cap Factor (MDC Net)	<u>99.6</u>	<u>86.1</u>	<u>86.8</u>
23. Unit Cap Factor (DER Net)	<u>96.5</u>	<u>83.4</u>	<u>84.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.2</u>	<u>10.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>158.4</u>	<u>915.3</u>

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

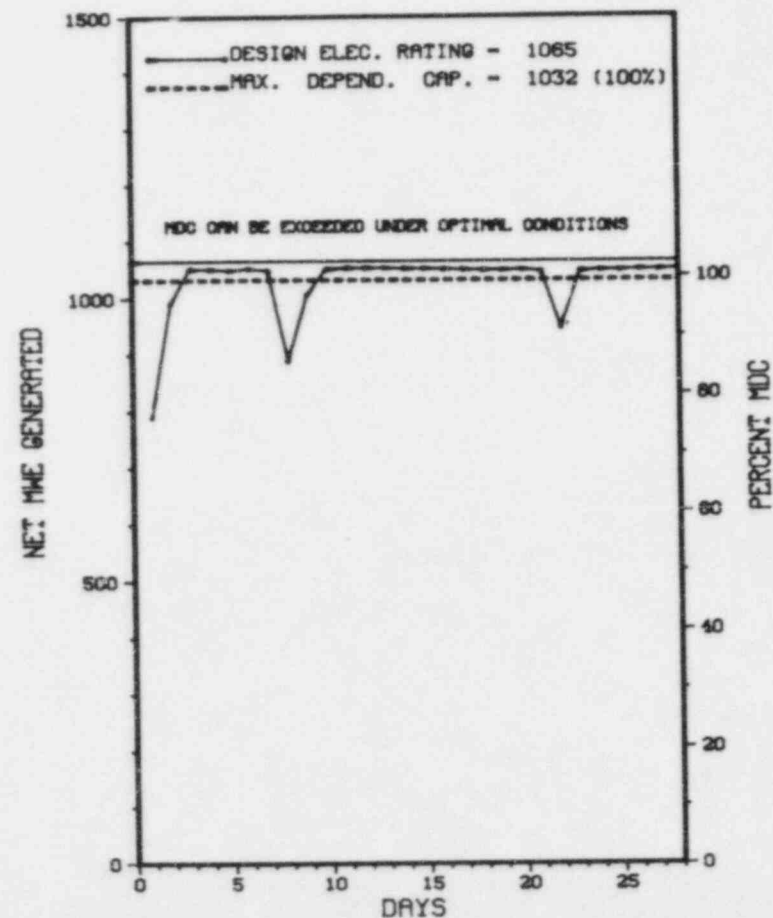
REFUELING OUTAGE: 08/02/86 - 84 DAYS.

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

* SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

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

 * SUMMARY *

SUSQUEHANNA 2 OPERATED ROUTINELY IN FEBRUARY 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)

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MAY 8, 1984
DATE ELEC ENER 1ST GENER...JULY 3, 1984
DATE COMMERCIAL OPERATE...FEBRUARY 12, 1985
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. PLISCO
LICENSING PROJ MANAGER.....M. CAMPAGNONE
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....

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.

INSPECTION STATUS - (CONTINUED)

* SUSQUEHANNA 2 *

MANAGERIAL ITEMS:

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. Docket: 50-289 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (Mwt): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>100,753.0</u>
13. Hours Reactor Critical	<u>586.0</u>	<u>1,190.3</u>	<u>35,006.9</u>
14. Rx Reserve Shtdwn Hrs	<u>86.0</u>	<u>191.3</u>	<u>1,075.5</u>
15. Hrs Generator On-Line	<u>582.8</u>	<u>1,178.7</u>	<u>34,212.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,452,251</u>	<u>2,925,796</u>	<u>82,276,192</u>
18. Gross Elec Ener (MWH)	<u>491,292</u>	<u>976,657</u>	<u>27,368,810</u>
19. Net Elec Ener (MWH)	<u>461,761</u>	<u>915,531</u>	<u>25,567,244</u>
20. Unit Service Factor	<u>86.7</u>	<u>83.2</u>	<u>34.0</u>
21. Unit Avail Factor	<u>86.7</u>	<u>83.2</u>	<u>34.0</u>
22. Unit Cap Factor (MDC Net)	<u>88.5</u>	<u>83.3</u>	<u>32.5*</u>
23. Unit Cap Factor (DER Net)	<u>83.9</u>	<u>78.9</u>	<u>31.0</u>
24. Unit Forced Outage Rate	<u>13.3</u>	<u>7.8</u>	<u>63.3</u>
25. Forced Outage Hours	<u>89.2</u>	<u>99.7</u>	<u>58,868.2</u>

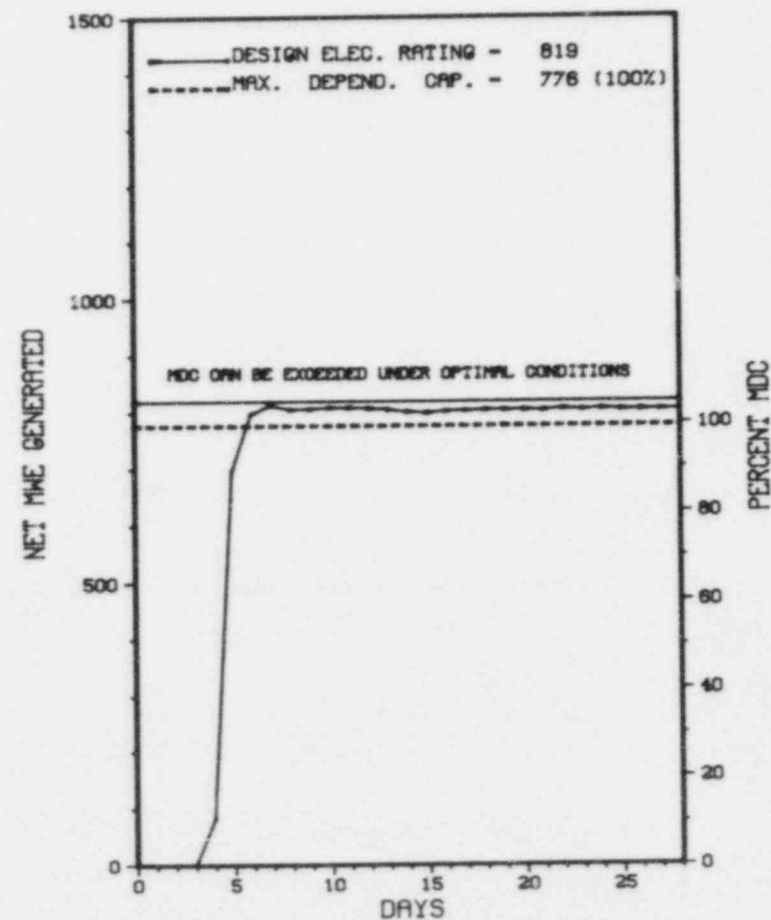
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

EDDY CURRENT: 03/22/86 - 35 DAYS.

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
THREE MILE ISLAND 1



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* THREE MILE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/27/86	F	89.2	A	4		HJ	HTEXCH	SHUTDOWN TO REPAIR BELLOWS ON EXTRACTION STEAM LINE CONCLUDES.

* SUMMARY *

THREE MILE ISLAND 1 EXPERIENCED 1 SHUTDOWN IN FEBRUARY
FOR AN EXTRACTION STEAM LINE BELLOWS REPAIR.

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

* THREE MILE ISLAND 1 *

FACILITY DATA

Report Period FEB 1986

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 5, 1974
DATE ELEC ENER 1ST GENER...JUNE 19, 1974
DATE COMMERCIAL OPERATE....SEPTEMBER 2, 1974
CONDENSER COOLING METHOD... COOLING TOWERS
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.
CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. CONTE
LICENSING PROJ MANAGER.....J. THOMA
DOCKET NUMBER.....50-289
LICENSE & DATE ISSUANCE....DPR-50, APRIL 19, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 6.8.1 REQUIREMENTS TO ESTABLISH AND IMPLEMENT WRITTEN PROCEDURES RECOMMENDED IN APPENDIX A OF REG GUIDE 1.33: A) ON OCTOBER 23, 1985, AN OPERATION INVOLVING THE OVERRIDING OF THE SAFETY RODS OUT INTERLOCK FOR THE CONTROL ROD DRIVE SYSTEM WAS CONDUCTED WITHOUT THE USE OF A WRITTEN PROCEDURE; B) ON NOVEMBER 1, 1985, AN OXYGEN SAMPLE WAS TAKEN FROM THE REACTOR COOLANT DRAIN TANK WITHOUT THE USE OF A WRITTEN PROCEDURE, RESULTING IN THE INADVERTENT DRAINING OF ONE LEG OF DIFFERENTIAL FLOW TRANSMITTER 922 WHICH MADE THIS REACTOR COOLANT SAFETY VALVE FLOW INSTRUMENT INOPERABLE UNTIL THE LEG WAS REFILLED LATER THE SAME DAY; C) ON NOVEMBER 1 AND 6, 1985, DURING THE LINEUP FOR A LIQUID RELEASE FROM THE WASTE EVAPORATOR CONDENSATE STORAGE TANK PER OPERATING PROCEDURE 1104-29B, PROCEDURE STEPS 1.3.A, B, C COULD NOT BE IMPLEMENTED AS WRITTEN AND THE SUPERVISOR WAS NOT CONTACTED TO RESOLVE THE DISCREPANCY; AND D) ON NOVEMBER 12, 1985, THE PREINSPECTION LINEUP FOR EMERGENCY DIESEL GENERATOR 1B COULD NOT BE IMPLEMENTED AS WRITTEN AND THE SUPERVISOR WAS NOT CONTACTED TO RESOLVE THE DISCREPANCY. CONTRARY TO TECH SPEC 6.5.1.1 AND 6.8.2 REQUIREMENTS THAT CHANGES TO SAFETY-RELATED ADMINISTRATIVE CONTROL PROCEDURES BE REVIEWED FOR ADEQUACY BETWEEN SEPTEMBER 5, 1984 AND NOVEMBER 27, 1985, CHANGES (REVISIONS) WERE MADE TO SEVERAL SAFETY-RELATED ADMINISTRATIVE CONTROL PROCEDURES (AP) DEALING WITH

ENFORCEMENT SUMMARY

INDEPENDENT VERIFICATION OF SAFETY-RELATED ACTIVITIES, AND THESE CHANGES WERE NOT COMPLETELY REVIEWED FOR ADEQUACY. CONTRARY TO TECH SPEC 6.54 AND 6.81 AND FACILITY PROCEDURE 6310-ADM-1010.01 REQUIREMENTS FOR THE INDEPENDENT ONSITE SAFETY REVIEW GROUP (IOSRG): A) AS OF NOVEMBER 15, 1985, NO SCHEDULE FOR EVALUATIONS AND ASSESSMENTS TO IMPLEMENT THE PERIODIC REVIEW REQUIREMENTS HAD BEEN PREPARED BY THE MANAGER, SAFETY REVIEW, AND AS A RESULT, NO PERIODIC REVIEW OF THE REQUIRED FUNCTIONAL AREAS HAD BEEN PERFORMED; B) DURING THE PERIOD OF JANUARY 1984 TO NOVEMBER 1985, REPORTS WERE GENERATED BY IOSRG IN THE FORM OF MEMORANDA, BUT THERE WAS NO INDICATION OF REPORT APPROVAL AND DISTRIBUTION OF THESE REPORTS WAS NOT IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION DISTRIBUTION REQUIREMENTS; C) IOSRG RECORDS FOR THE PERIOD JANUARY 1984 TO NOVEMBER 1985 SHOWED NO METHOD OF APPROVAL OF RECOMMENDATIONS EXISTS, RECOMMENDATIONS ARE NOT ALWAYS CLEARLY IDENTIFIED, RECOMMENDATIONS ARE NOT ALWAYS TRANSMITTED AS SPECIFIED AND RESULTS OF RECOMMENDATIONS ARE NOT MAINTAINED; AND D) BETWEEN JULY 20, 1984 AND OCTOBER 31, 1985, SEVEN TECHNICAL SPECIFICATION CHANGES WERE SUBMITTED TO THE NRC, BUT ONLY TWO OF THOSE CHANGES, TECHNICAL SPECIFICATION CHANGE REQUESTS 141 AND 146, HAD SAFETY REVIEW SHEETS COMPLETED.
(8502 4)

CONTRARY TO SECURITY PLAN, TECH SPEC 6.8.1.D AND SECURITY PROCEDURE 1005.11 REQUIREMENTS THAT PERSONNEL IN PROTECTED AND VITAL AREAS DISPLAY THEIR PHOTO IDENTIFICATION BADGES, ON NOVEMBER 15 AND 18, 1985, PHOTO IDENTIFICATION BADGES AND KEYCARDS WERE FOUND ATTACHED TO GARMENTS ON A RACK AT AN UNATTENDED CHANGING STATION, AND THEREFORE WERE NOT ON THE INDIVIDUALS; FURTHER, BETWEEN NOVEMBER 20 AND 27, 1985, CERTAIN EMPLOYEES WERE IN THE INSTRUMENT AND CONTROL SHOP AND THE CONTROL ROOM AND THEIR PHOTO IDENTIFICATION BADGES WERE NOT DISPLAYED OR SECURED IN THEIR POCKETS.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

* THREE MILE ISLAND 1 *

REPORTS FROM LICENSEE

Report Period FEB 1986

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

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1. Docket: 50-344 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: F. J. UHMER (503) 556-3713 X495

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1050

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

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

11. Reasons for Restrictions, If Any:
NONE

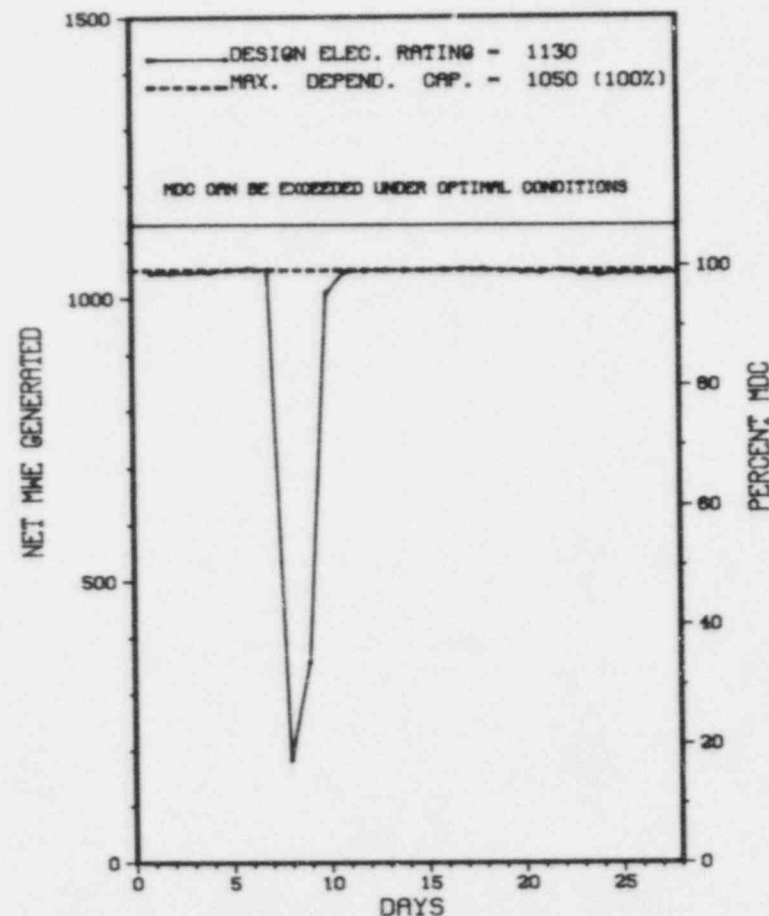
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>83,232.0</u>
13. Hours Reactor Critical	<u>658.4</u>	<u>1,402.4</u>	<u>51,952.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>656.6</u>	<u>1,400.6</u>	<u>50,454.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>2,178,213</u>	<u>4,712,197</u>	<u>161,242,780</u>
18. Gross Elec Ener (MWH)	<u>698,938</u>	<u>1,513,228</u>	<u>52,331,544</u>
19. Net Elec Ener (MWH)	<u>665,609</u>	<u>1,442,316</u>	<u>49,503,590</u>
20. Unit Service Factor	<u>97.7</u>	<u>98.9</u>	<u>60.6</u>
21. Unit Avail Factor	<u>97.7</u>	<u>98.9</u>	<u>64.5</u>
22. Unit Cap Factor (MDC Net)	<u>94.3</u>	<u>97.0</u>	<u>56.6</u>
23. Unit Cap Factor (DER Net)	<u>87.7</u>	<u>90.1</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>2.3</u>	<u>1.1</u>	<u>15.2</u>
25. Forced Outage Hours	<u>15.4</u>	<u>15.4</u>	<u>9,025.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE IS SCHEDULED FOR 04/24/86.

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

 * TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 TROJAN



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-01	02/08/86	F	15.4	G	3	86-001	BA		REACTOR TRIP CAUSED BY HIGH NEGATIVE RATE TRIP BEING SET SO CONSERVATIVE THAT THE MANUAL TURBINE RUNBACK DUE TO LOSS OF A CIRCULATING WATER PUMP ON LOW OIL FLOW CAUSED THE SETPOINT TO BE EXCEEDED. THE TRIP WAS INVESTIGATED, CAUSE DETERMINED, AND NEGATIVE RATE SETPOINTS ADJUSTED PER WESTINGHOUSE/ TROJAN EVALUATION. THE CIRCULATING PUMP LUBE OIL SYSTEM WAS REVIEWED, EVALUATED, AND PROCEDURES WERE CHANGED TO INSURE PROPER SYSTEM OPERATION DURING COLD WEATHER CONDITIONS.

 * SUMMARY *

TROJAN INCURRED 1 SHUTDOWN IN FEBRUARY 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)

* TROJAN *

FACILITY DATA

Report Period FEB 1986

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.....K. JOHNSTON
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 JANUARY 4 - FEBRUARY 10, 1986 (REPORT NO. 50-344/86-02) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, FACILITY ORGANIZATION AND ADMINISTRATION, REVIEW OF REACTOR COOLANT LEAK RATE DETERMINATION METHODS, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, AND INSPECTION OF VARIOUS ASPECTS OF PLANT OPERATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 199 INSPECTOR-HOURS BY THE RESIDENT NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JANUARY 13 - FEBRUARY 12, 1986 (REPORT NO. 50-344/86-03) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 3-7, 1986 (REPORT NO. 50-344/86-05) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 28 - FEBRUARY 28, 1986 (REPORT NO. 50-344/86-06) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 11 - MARCH 17, 1986 (REPORT NO. 50-344/86-07) INSPECTION CONTINUING; TO BE REPORTED NEXT MONTH.

+ EXAMINATIONS ON FEBRUARY 11-12, 1986 (REPORT NO. 50-344/OL-86-01) WRITTEN AND ORAL EXAMINATIONS WERE ADMINISTERED TO TWO SENIOR REACTOR OPERATOR CANDIDATES. BOTH CANDIDATES PASSED ALL THEIR EXAMS.

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* TROJAN *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

10 CFR PART 50, APPENDIX B, CRITERION X READS, "A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY SHALL BE ESTABLISHED AND EXECUTED BY OR FOR THE ORGANIZATION PERFORMING THE ACTIVITY TO VERIFY CONFORMANCE WITH THE DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS FOR ACCOMPLISHING THE ACTIVITY. SUCH INSPECTION SHALL BE PERFORMED BY INDIVIDUALS OTHER THAN THOSE WHO PERFORMED THE ACTIVITY BEING INSPECTED..." THE TROJAN QUALITY ASSURANCE PROGRAM, SECTION 2.2 REFERENCES SECTION 3.2 OF THE TROJAN NUCLEAR PLANT UPDATED FINAL SAFETY ANALYSIS REPORT (FSAR) FOR GUIDELINES TO BE USED FOR DETERMINING THAT SYSTEMS ARE SAFETY-RELATED AND GOVERNED BY 10 CFR PART 50, APPENDIX B. SECTION 3.2 OF THE FSAR LISTS THE AUXILIARY FEEDWATER SYSTEM AND THE DIESEL GENERATORS AS BEING SAFETY-RELATED. ADMINISTRATIVE ORDER 3-9 STATES THAT WHEN THE TROJAN MAINTENANCE ORGANIZATION AUTHORIZES WORK, THE ASSIGNED WORK GROUP SUPERVISOR IS RESPONSIBLE FOR DETERMINING THE NEED FOR QA/QC REVIEW OF WORK INSTRUCTIONS AND FOR PROVIDING FOR APPROPRIATE INSTALLATION CHECKS TO ENSURE THAT THE EQUIPMENT FUNCTIONS PROPERLY WHEN RETURNED TO SERVICE. TROJAN QA PROCEDURE 10-2 REQUIRES A SIGN-OFF BY SIGNATURE OR A CONTROLLED STAMP SHOWING EVIDENCE OF SATISFACTORY COMPLETION AND VERIFICATION OF THE INSPECTION BY A QUALIFIED INSPECTOR IN ACCORDANCE WITH ANSI N45.2.6 OR SNT-TC-1A-1968 AS APPROPRIATE. CONTRARY TO THE REQUIREMENT, THE INSPECTION OF THE WEST EMERGENCY DIESEL GENERATOR, WHICH WAS COMPLETED ON AUGUST 2, 1984 UNDER MR-84-0564, WAS VERIFIED BY THE SAME INDIVIDUAL WHO PERFORMED THE ACTIVITY. IN ADDITION, THE SATISFACTORY COMPLETION AND VERIFICATION INSPECTION IN SEPTEMBER 1985 UNDER MR-85-4389 OF FOUR TIME DELAY RELAYS IN THE CONTROL CIRCUITRY FOR THE DIESEL DRIVEN AUXILIARY FEEDWATER PUMPS WAS NOT PERFORMED BY AN INSPECTOR WHO HAD BEEN QUALIFIED IN ACCORDANCE WITH QA PROCEDURE 10-2. (8503 3)

10 CFR, PART 50, APPENDIX B, CRITERION V, INSTRUCTIONS, PROCEDURES AND DRAWINGS STATES IN PART THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE REQUIREMENT, ON DECEMBER 10, 1985, THE TAGGING OF AUXILIARY FEEDWATER SYSTEM FLOW INDICATING SWITCHES WAS NOT ACCOMPLISHED IN ACCORDANCE WITH DRAWINGS IN THAT IDENTIFICATION NUMBERS PLACED ON THE SWITCHES DID NOT MATCH THOSE SHOWN ON PIPING AND INSTRUMENTATION DRAWING M-213, SHEET 2, REVISION 6. (8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ APPROXIMATE PRIMARY TO SECONDARY LEAK OF 60 GALLONS PER DAY.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER

LAST IE SITE INSPECTION DATE: 02/11-03/17/86+

Report Period FEB 1986

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

* TROJAN *

OTHER ITEMS

INSPECTION REPORT NO: 50-344/86-07+

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

NUMBER DATE OF DATE OF SUBJECT
 EVENT REPORT

85-14-L0 12-18-85 01-16-86 AUTOMATIC ACTUATION OF 'B' EMERGENCY DIESEL GENERATOR

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1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWh): 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

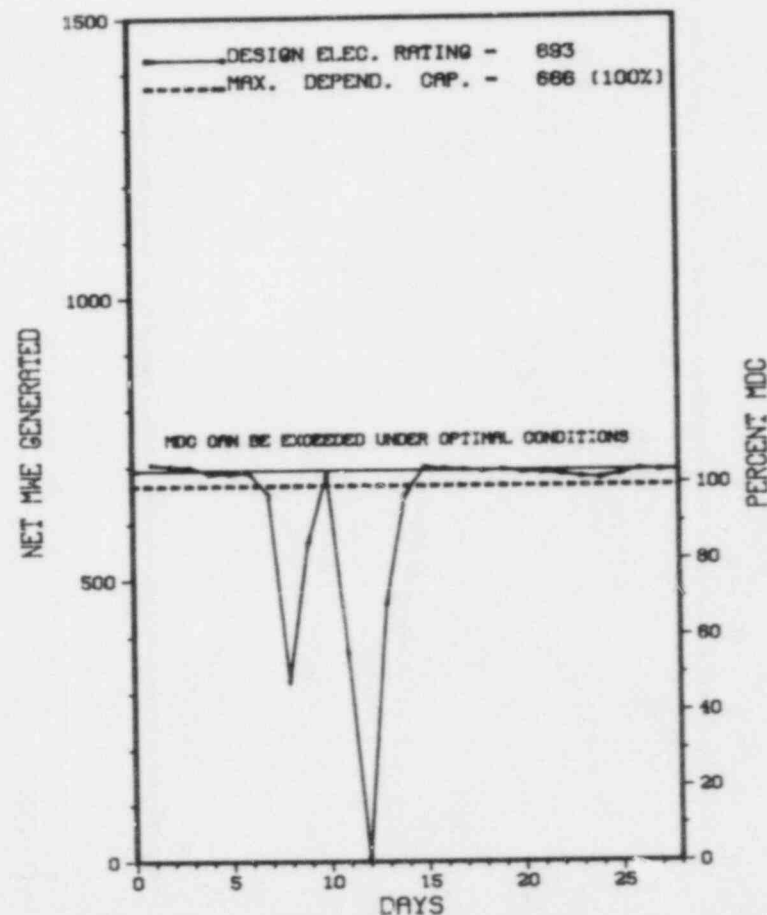
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>116,025.6</u>
13. Hours Reactor Critical	<u>644.6</u>	<u>1,154.4</u>	<u>81,951.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>642.1</u>	<u>1,134.7</u>	<u>79,541.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,349,846</u>	<u>2,416,426</u>	<u>164,621,947</u>
18. Gross Elec Ener (MWH)	<u>443,190</u>	<u>793,070</u>	<u>52,664,615</u>
19. Net Elec Ener (MWH)	<u>421,114</u>	<u>750,235</u>	<u>49,859,816</u>
20. Unit Service Factor	<u>95.6</u>	<u>80.1</u>	<u>68.6</u>
21. Unit Avail Factor	<u>95.6</u>	<u>80.1</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>94.1</u>	<u>79.6</u>	<u>66.1*</u>
23. Unit Cap Factor (DER Net)	<u>90.4</u>	<u>76.5</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>4.4</u>	<u>19.9</u>	<u>6.9</u>
25. Forced Outage Hours	<u>29.9</u>	<u>281.3</u>	<u>5,316.1</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



FEBRUARY 1986

* Item calculated with a Weighted Average

PAGE 2-374

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	02/11/86	F	29.9	G	3	250-86-0 6	1A	INSTRU	AS A RESULT OF A PROCEDURE WITH INADEQUATE GUIDANCE A REACTOR TRIP OCCURRED WHILE CLEARING A CONSTRUCTION ACTIVITY RELATED INADVERTENT CONTAINMENT INSULATION AND HIGH PRESSURE SIGNAL.

* SUMMARY *

TURKEY POINT 3 EXPERIENCED 1 OUTAGE IN FEBRUARY AS DETAILED ABOVE.

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

* TURKEY POINT 3 *

FACILITY DATA

Report Period FEB 1986

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 DECEMBER 9 - JANUARY 13, 1986 (85-44): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 87 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 11 HOURS OF BACKSHIFT INSPECTION, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, INDEPENDENT INSPECTION, AND PLANT EVENTS. VIOLATION - FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION 6.8.1.

INSPECTION JANUARY 21-24 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 132 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS, IN THE AREA OF THE ANNUAL EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* TURKEY POINT 3 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-250/86-01 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-035	10/24/85	11/25/85	TECHNICAL SPECIFICATION - CONTAINMENT SUMP LEVEL INDICATION. THE RECEIVER IN THE CONTAINMENT SUMP LEVEL INDICATION WAS RELOCATED.
85-036	10/25/85	11/25/85	RESIDUAL HEAT REMOVAL CAPABILITY. A FAILED RELAY CAUSED TWO BLOWN FUSES IN THE COMPARATOR, WHICH RESULTED IN AN ERRONEOUS HIGH PRESSURE SIGNAL MOV-3-750.
85-039	11/29/85	12/30/85	ACCUMULATOR FILL LINE SEISMIC QUALIFICATION. ENGINEERING DEPARTMENT PROVIDED A SAFETY EVALUATION TO ALLOW THROTTLING OF 883R ON AN INTERIM BASIS.
85-043	12/17/85	01/16/86	TECHNICAL SPECIFICATION - EMERGENCY DIESEL GENERATORS. CAUSE OF THE ABNORMALLY HIGH TEMPERATURE READING WAS HUMAN ERROR IN RECORDING AN ERRONEOUS TEMPERATURE.

1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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):

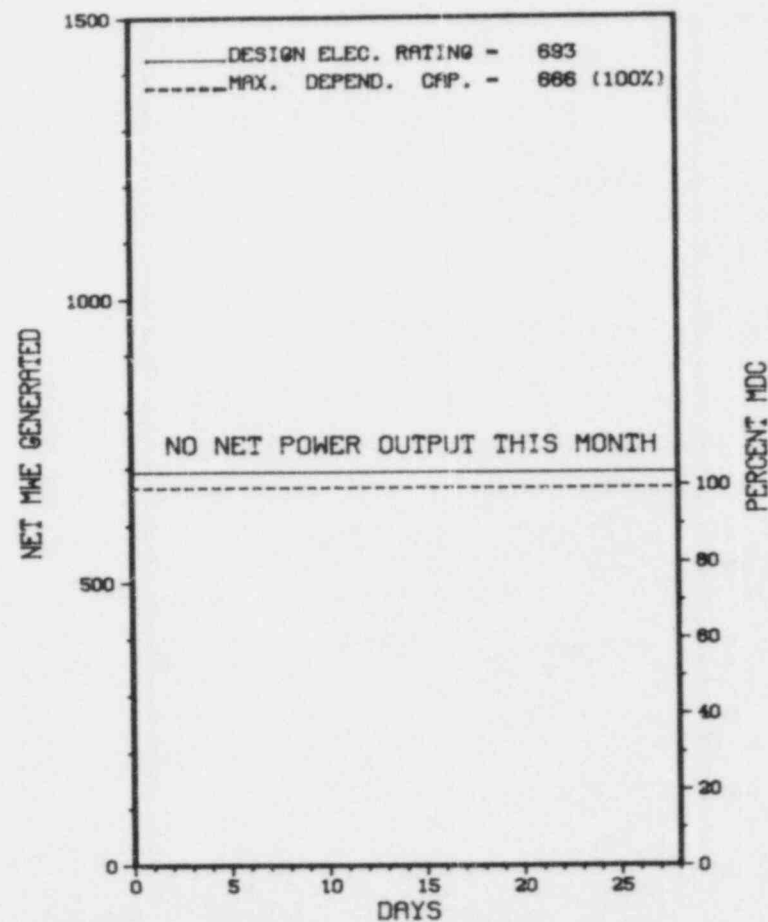
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>109,753.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>225.4</u>	<u>77,860.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>225.1</u>	<u>75,327.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>440,167</u>	<u>159,486,896</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>139,235</u>	<u>50,781,867</u>
19. Net Elec Ener (MWH)	<u>-984</u>	<u>129,483</u>	<u>48,093,740</u>
20. Unit Service Factor	<u>.0</u>	<u>15.9</u>	<u>68.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>15.9</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>13.7</u>	<u>67.4*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>13.2</u>	<u>63.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,824.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 05/07/86

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
02	01/10/86	S	672.0	C	4		RC	FUELXX	UNIT #4 REMAINED SHUTDOWN FOR REFUELING AND SCHEDULED MAINTENANCE.

 * SUMMARY *

 TURKEY POINT 4 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)

* TURKEY POINT 4 *

FACILITY DATA

Report Period FEB 1986

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
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 9 - JANUARY 13, 1986 (85-44): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 87 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 11 HOURS OF BACKSHIFT INSPECTION, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, INDEPENDENT INSPECTION, AND PLANT EVENTS. VIOLATION - FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION 6.3.1.

INSPECTION JANUARY 21-24 (86-01): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 132 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS, IN THE AREA OF THE ANNUAL EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INSPECTION STATUS - (CONTINUED)

* TURKEY POINT 4 *

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JANUARY 21-24, 1986 +

INSPECTION REPORT NO: 50-251/86-01 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-023	08/24/85	11/20/85	TECHNICAL SPECIFICATION - CONTAINMENT ISOLATION VALVE, WHEN THE CLEARANCE WAS RELEASED, IT WAS NOT REALIZED THAT VALVE REQUIRED TESTING.
85-024	11/02/85	12/02/85	ESF ACTUATION - COMPONENT COOLING WATER AUTO START. THE AUTOMATIC START WAS THE RESULT OF MAINTENANCE AND POST-MAINTENANCE TESTING.
85-026	12/24/85	01/23/86	EMERGENCY DIESEL GENERATOR. DISCUSSIONS WITH THE VENDOR INDICATE THE "BACKING OFF" ACTION BY THE ARCING CONTACTS IS AN ABNORMAL CONDITION.

1. Docket: 50-271 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>117,818.8</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>93,110.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>90,718.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>132,109,618</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>43,955,902</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>41,700,250</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>77.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>70.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>68.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,466.6</u>

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

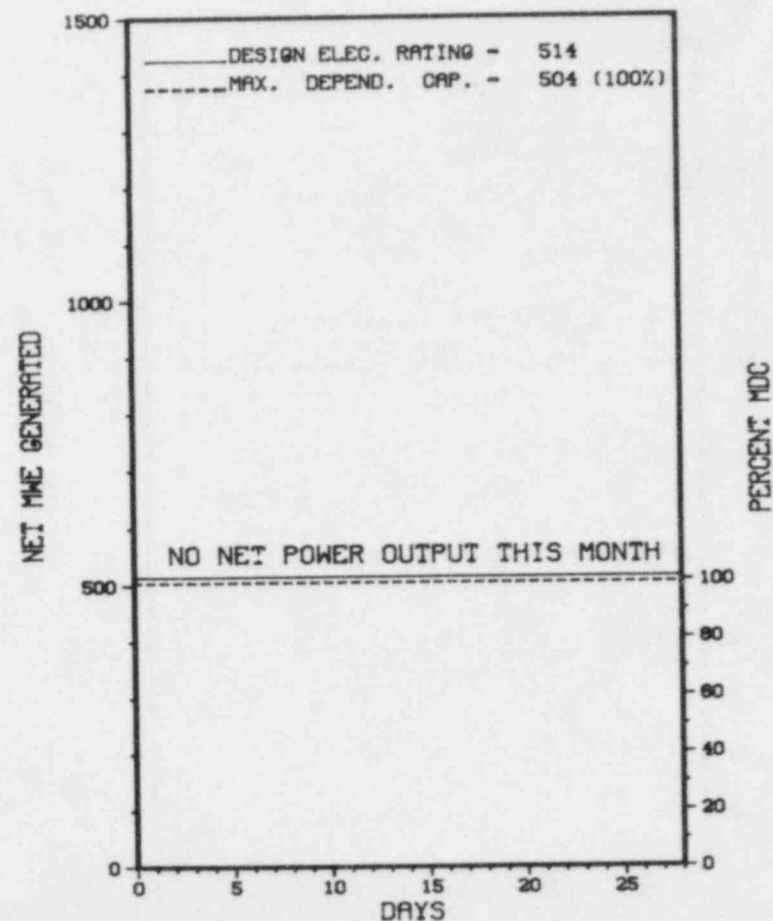
NONE

27. If Currently Shutdown Estimated Startup Date: 06/26/86

* V E R M O N T Y A N K E E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-14	09/21/85	S	672.0	C	4		RC	FUELXX	1985 REFUELING/MAINTENANCE/RECIRC PIPE REPLACEMENT OUTAGE IN PROGRESS.

* SUMMARY *

VERMONT YANKEE REMAINS SHUTDOWN FOR REFUELING AND MAINTENANCE.

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

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period FEB 1986

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

TECHNICAL SPECIFICATION 6.5.A REQUIRES THAT DETAILED WRITTEN SURVEILLANCE PROCEDURES BE PREPARED, APPROVED AND ADHERED TO. PROCEDURE OP 4511 WAS WRITTEN PURSUANT TO THE ABOVE AND REQUIRES TEST PERSONNEL TO EXPOSE THE REFUEL FLOOR AREA RADIATION MONITORS (ARM'S) TO A HIGH FIELD NOTING AND RECORDING THE TRIP SETTINGS DURING THE QUARTERLY CALIBRATIONS. CONTRARY TO THE ABOVE, DURING QUARTERLY CALIBRATIONS ON JULY 26 AND OCTOBER 28, 1985, THE EAST AND WEST REFUEL FLOOR ARM'S WERE NOT EXPOSED TO A RADIATION FIELD OF SUFFICIENT INTENSITY TO ACTIVATE THE CHANNEL THE TRIP SETPOINTS. FURTHER, SUPERVISORY PERSONNEL WHO APPROVED THE COMPLETED TESTS FAILED TO DETECT THE DISCREPANT TEST RESULTS AND INITIATE CORRECTIVE ACTIONS.
(8503 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period FEB 1986

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

* VERMONT YANKEE 1 *

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

1. Docket: 50-397 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486

4. Licensed Thermal Power (MWt): 3523

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): 775

11. Reasons for Restrictions, If Any: _____

"B" RRC PUMP INOPERABLE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>10,616.2</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>8,732.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>8,442.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,565,040</u>	<u>3,325,290</u>	<u>20,889,570</u>
18. Gross Elec Ener (MWH)	<u>517,930</u>	<u>1,100,250</u>	<u>6,923,500</u>
19. Net Elec Ener (MWH)	<u>497,874</u>	<u>1,057,695</u>	<u>6,644,468</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>79.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>79.5</u>
22. Unit Cap Factor (MDC Net)	<u>67.7</u>	<u>68.2</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>67.4</u>	<u>67.9</u>	<u>56.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>785.0</u>

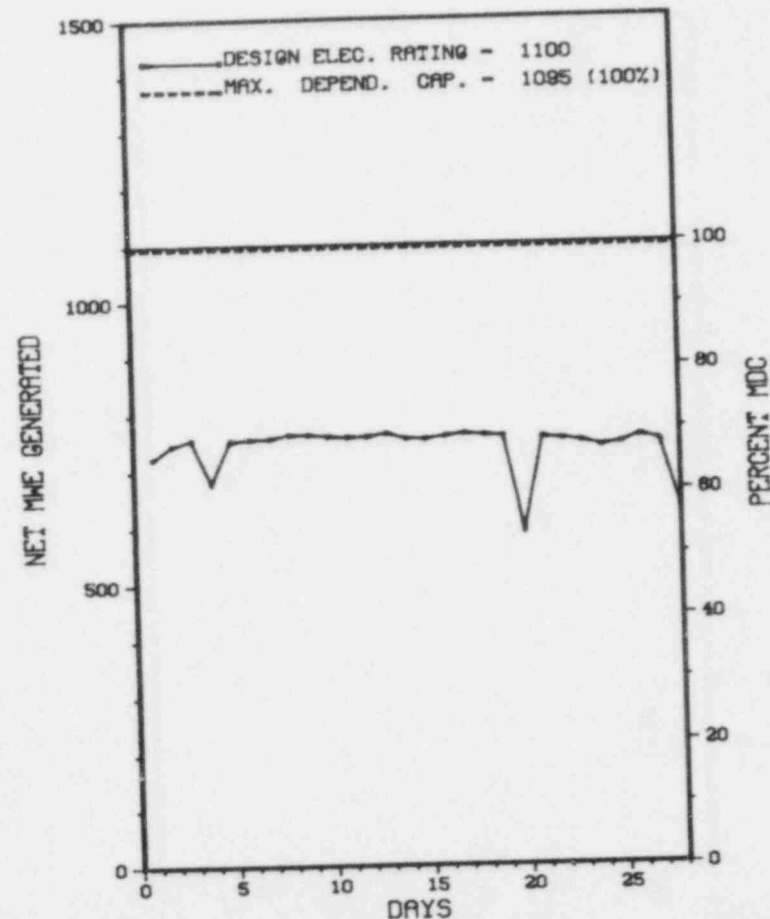
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING & MAINT. OUTAGE: 4/14/86 FOR 60 DAYS.

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

* WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
WASHINGTON NUCLEAR 2



FEBRUARY 1986

Report Period FEB 1986

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 72% DUE TO THE INOPERABILITY OF "B" RRC PUMP.
86-01P	02/20/86	F	0.0	A	5		HF	PUMPXX	FAULTY THERMOCOUPLE ON CIRCULATING WATER PUMP INDICATED HIGH TEMPERATURE ON THRUST BEARING. THERMOCOUPLE WAS REPLACED AND PUMP RETURNED TO SERVICE.

 * SUMMARY *

WNP-2 OPERATED ROUTINELY IN FEBRUARY.

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

* WASHINGTON NUCLEAR 2 *

Report Period FEB 1986

FACILITY DATA

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.....R. BARR
LICENSING PROJ MANAGER....J. BRADFUTE
DOCKET NUMBER.....50-397
LICENSE & DATE ISSUANCE...NPF-21, APRIL 13, 1984
PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JANUARY 6 - FEBRUARY 7, 1986 (REPORT NO. 50-397/86-01) AREAS INSPECTED: UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE AND 10 INSPECTOR-HOURS IN-OFFICE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 12-26, 1986 (REPORT NO. 50-397/86-03) INSPECTION TO BE COMPLETED IN MARCH 1986.

+ INSPECTION ON MARCH 3-7, 1986 (REPORT NO. 50-397/86-05) INSPECTION TO BE COMPLETED IN MARCH 1986.

+ INSPECTION ON FEBRUARY 3 - MARCH 14, 1986 (REPORT NO. 50-397/86-06) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 3-7, 1986 (REPORT NO. 50-397/86-07) AREAS INSPECTED: A ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED NRC INSPECTOR FOR THE FOLLOWUP OF TMI ACTION ITEMS AND GENERIC LETTER 85-06. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 30 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period FEB 1986

INSPECTION STATUS - (CONTINUED)

* WASHINGTON NUCLEAR 2 *

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 DECEMBER, 1985. THE OTHER RECIRCULATION PUMP IS STOPPED BECAUSE OF VIBRATION EXPERIENCED EARLIER. BASED UPON A TEST RUN OF THE PUMP IN EARLY DECEMBER, SINGLE-LOOP OPERATION IS EXPECTED TO CONTINUE UNTIL THE APRIL 1986 REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 02/03-03/14/86+

INSPECTION REPORT NO: 50-397/86-06+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

1. Docket: 50-382 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: GEORGE MILLER (504) 467-8211

4. Licensed Thermal Power (MWt): 3390

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>672.0</u>	<u>1,416.0</u>	<u>3,793.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,377.4</u>	<u>3,246.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,365.9</u>	<u>3,167.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,236,098</u>	<u>4,549,244</u>	<u>10,191,683</u>
18. Gross Elec Ener (MWH)	<u>754,780</u>	<u>1,535,370</u>	<u>3,433,220</u>
19. Net Elec Ener (MWH)	<u>721,047</u>	<u>1,465,343</u>	<u>3,270,496</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.5</u>	<u>83.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.5</u>	<u>83.5</u>
22. Unit Cap Factor (MDC Net)	<u>97.2</u>	<u>93.7</u>	<u>78.1</u>
23. Unit Cap Factor (DER Net)	<u>97.2</u>	<u>93.7</u>	<u>78.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.5</u>	<u>16.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>50.1</u>	<u>614.9</u>

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

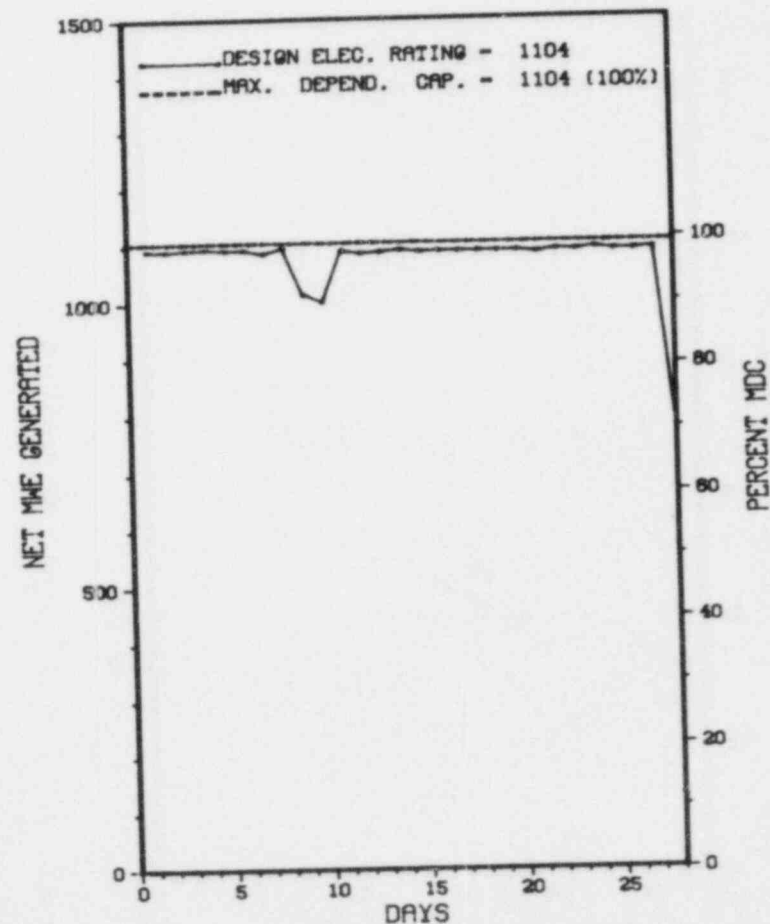
SURVEILLANCE OUTAGE: 03/86 - 3 WEEKS.

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

* WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



FEBRUARY 1986

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

 * WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86-03	02/28/86	S	0.0	B	5		TA	ZZZZZZ	UNIT POWER REDUCTION WAS INITIATED TO PERFORM CONTROL ELEMENT ASSEMBLY EXERCISING AND TURBINE VALVE TESTING REQUIRED BY TECHNICAL SPECIFICATIONS.

 * SUMMARY *

 WATERFORD 3 OPERATED ROUTINELY IN FEBRUARY.

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

* WATERFORD 3 *

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

Report Period FEB 1986

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.....J. LUEHMAN
LICENSING PROJ MANAGER.....J. WILSON
DOCKET NUMBER.....50-382
LICENSE & DATE ISSUANCE...NPF-38, MARCH 16, 1985
PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
LOUISIANA COLLECTION
EARL K. LONG LIBRARY
UNIVERSITY OF NEW ORLEANS
LAKEFRONT DRIVE
NEW ORLEANS, LOUISIANA 70148

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

INSPECTION SUMMARY

INSPECTION CONDUCTED OCTOBER 15-18, 1985 (85-29) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S PERSONNEL TRAINING AND QUALIFICATIONS, SAFEGUARD CONTINGENCY ACTIVITIES, TESTING AND MAINTENANCE, SECURITY SYSTEMS POWER SUPPLY, MANAGEMENT EFFECTIVENESS, ALLEGATION FOLLOWUP, ACCESS CONTROL-VEHICLE AND PERSONNEL, SECURITY ORGANIZATION, LOCK AND KEY CONTROL, PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS, DETECTION AIDS-PROTECTED AND VITAL AREAS, ASSESSMENT AIDS, AND ALARM STATIONS. THE INSPECTION INVOLVED 74 INSPECTOR-HOURS OF DIRECT INSPECTION TIME BY 2 NRC INSPECTORS. WITHIN THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DECEMBER 2-6, 1985 (85-31) REACTIVE, ANNOUNCED INSPECTION OF THE LICENSEE PREVENTIVE MAINTENANCE PROGRAM AND NONLICENSED STAFF TRAINING. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. WITHIN THE AREA INSPECTED ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED JANUARY 27-31, 1986 (86-01) ROUTINE, UNANNOUNCED INSPECTION OF LOCKS, KEYS, AND COMBINATIONS, PHYSICAL BARRIERS-PROTECTED AREA, PHYSICAL BARRIERS-VITAL AREA, LIGHTING, ASSESSMENT AIDS, ACCESS CONTROL-PERSONNEL, ACCESS CONTROL-PACKAGES, ACCESS CONTROL-VEHICLES, DETECTION AIDS-PROTECTED AREA, DETECTION AIDS-VITAL AREA, AND COMMUNICATIONS. THE INSPECTION INVOLVED 114 INSPECTOR-HOURS BY TWO NRC INSPECTORS. WITHIN THE AREAS INSPECTED 6 VIOLATIONS WERE IDENTIFIED.

INSPECTION STATUS - (CONTINUED)

X WATERFORD 3 X

NONE

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JAN. 27-31, 1986

INSPECTION REPORT NO: 50-382/86-01

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
86-01	1/7/86	2/6/86	REACTOR TRIP ON DROPPED CONTROL ELEMENT ASSEMBLY
86-02	1/22/86	2/21/86	REACTOR TRIP DUE TO DROPPED CEA NUMBER 88 AND FAILURE OF SHUTDOWN ISOLATION VALVES TO CLOSE
86-03	1/24/86	2/21/86	INADVERTENT CONTROL ROOM ISOLATIONS DUE TO INSTRUMENT ANOMALIES

1. Docket: 50-482 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>4,295.7</u>
13. Hours Reactor Critical	<u>618.8</u>	<u>1,362.8</u>	<u>4,153.1</u>
14. Rx Reserve Shtdwn Hrs	<u>41.4</u>	<u>41.4</u>	<u>120.1</u>
15. Hrs Generator On-Line	<u>614.7</u>	<u>1,358.7</u>	<u>4,130.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>19.0</u>
17. Gross Therm Ener (MWH)	<u>2,005,668</u>	<u>4,486,147</u>	<u>13,361,080</u>
18. Gross Elec Ener (MWH)	<u>709,461</u>	<u>1,584,477</u>	<u>4,655,567</u>
19. Net Elec Ener (MWH)	<u>679,535</u>	<u>1,521,491</u>	<u>4,463,591</u>
20. Unit Service Factor	<u>91.5</u>	<u>96.0</u>	<u>96.1</u>
21. Unit Avail Factor	<u>91.5</u>	<u>96.0</u>	<u>96.6</u>
22. Unit Cap Factor (MDC Net)	<u>89.9</u>	<u>95.3</u>	<u>55.9*</u>
23. Unit Cap Factor (DER Net)	<u>86.6</u>	<u>91.8</u>	<u>88.8</u>
24. Unit Forced Outage Rate	<u>8.5</u>	<u>4.0</u>	<u>3.9</u>
25. Forced Outage Hours	<u>57.3</u>	<u>57.3</u>	<u>165.4</u>

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

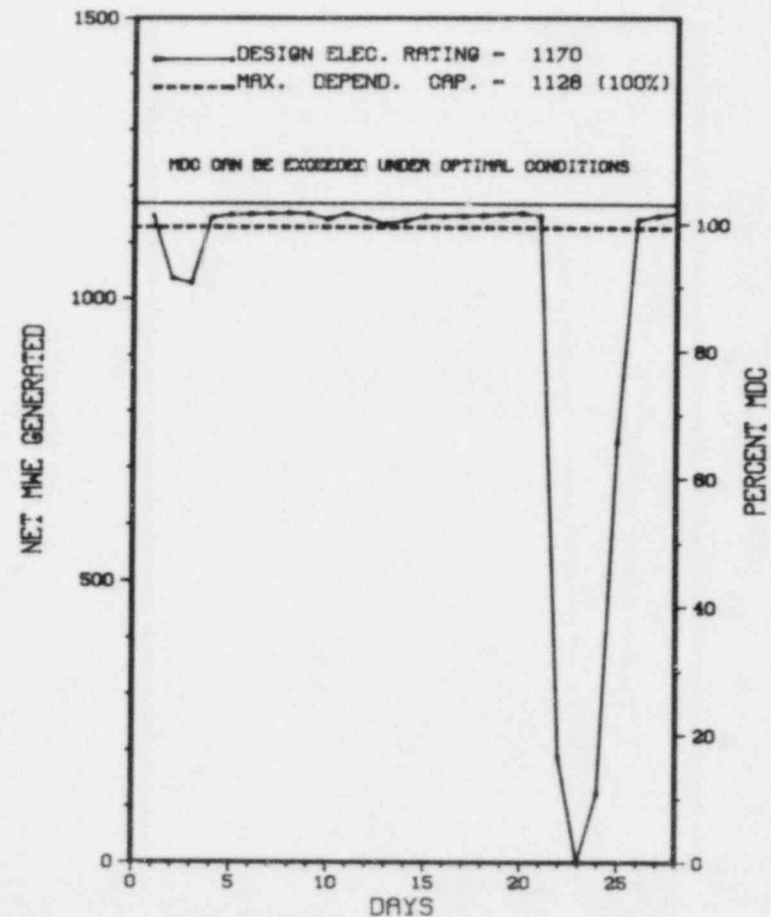
NONE

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

* WOLF CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



FEBRUARY 1986

* Item calculated with a Weighted Average

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Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* WOLF CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/22/86	F	57.3	A	3	86-007-00			UNIT TRIP CAUSED BY A BAD CARD IN SPEED CONTROL CIRCUIT.

* SUMMARY *

WOLF CREEK INCURRED 1 SHUTDOWN IN FEBRUARY AS DESCRIBED ABOVE.

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		

* WOLF CREEK 1 *

FACILITY DATA

Report Period FEB 1986

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 DOCUMEN. FROM.....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 FEB 1986

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: 02/01/86 Outage + On-line Hrs: 672.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>672.0</u>	<u>1,416.0</u>	<u>221,661.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>176,937.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>172,074.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>401,544</u>	<u>830,679</u>	<u>93,511,296</u>
18. Gross Elec Ener (MWH)	<u>123,563</u>	<u>255,685</u>	<u>28,338,358</u>
19. Net Elec Ener (MWH)	<u>115,861</u>	<u>239,534</u>	<u>26,515,751</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.6</u>
22. Unit Cap Factor (MDC Net)	<u>103.2</u>	<u>101.3</u>	<u>73.5*</u>
23. Unit Cap Factor (DER Net)	<u>98.5</u>	<u>96.7</u>	<u>70.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,326.1</u>

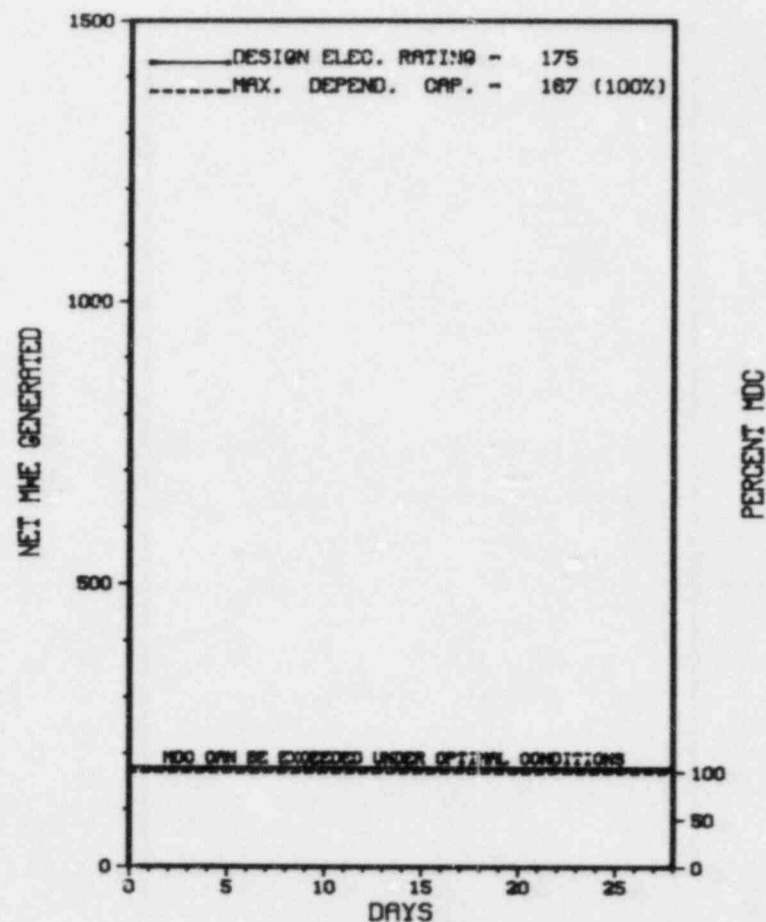
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
YANKEE-ROWE 1



FEBRUARY 1986

* Item calculated with a Weighted Average

Report Period FEB 1986

UNIT SHUTDOWNS / REDUCTIONS

* YANKEE-ROWE 1 *

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

* SUMMARY *

YANKEE ROWE OPERATED ROUTINELY IN FEBRUARY 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)

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period FEB 1986

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

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.

1. Docket: 50-295 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>106,632.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>1,416.0</u>	<u>75,133.1</u>
14. Rx Reserve Chtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>672.0</u>	<u>1,416.0</u>	<u>73,022.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,160,415</u>	<u>4,555,304</u>	<u>211,189,607</u>
18. Gross Elec Ener (MWH)	<u>711,534</u>	<u>1,500,164</u>	<u>67,218,962</u>
19. Net Elec Ener (MWH)	<u>683,163</u>	<u>1,437,094</u>	<u>63,846,438</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>68.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>68.5</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>97.6</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>97.8</u>	<u>97.6</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,216.3</u>

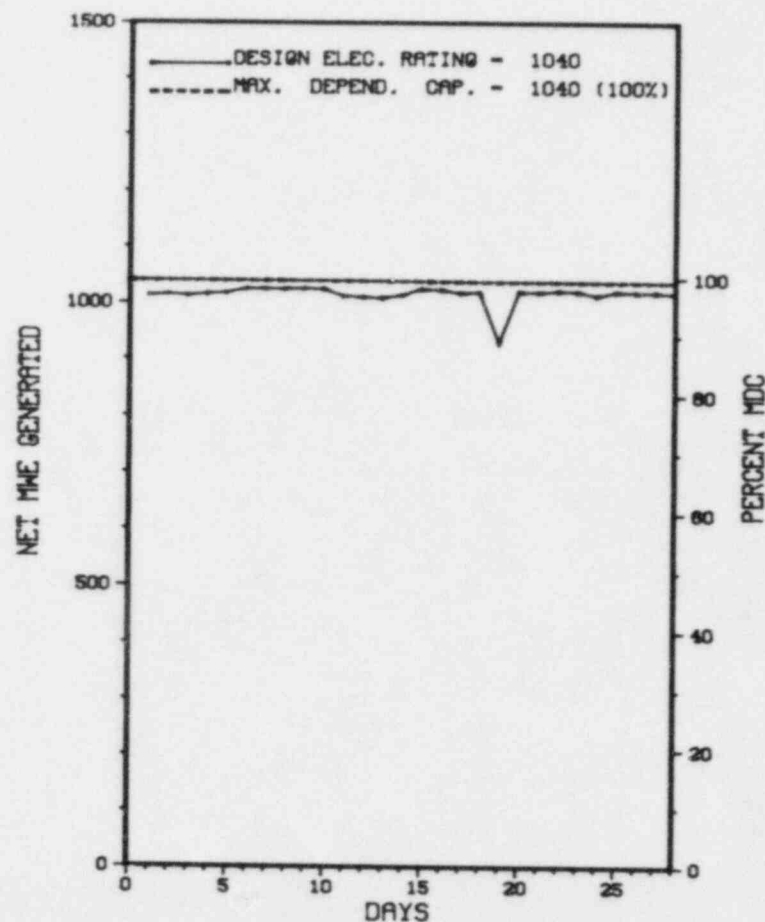
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING: 06/26/86 - 4 MOS.

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

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



FEBRUARY 1986

Report Period FEB 1986

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 OPERATED ROUTINELY IN FEBRUARY WITH NO SHUTDOWNS 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)

* ZION 1 *

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

Report Period FEB 1986

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 DECEMBER 9-13 (85040): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING A MAINTENANCE OUTAGE INCLUDING: CHANGES IN ORGANIZATION, PERSONNEL, FACILITIES, EQUIPMENT, PROGRAMS, AND PROCEDURES; AUDITS AND APPRAISALS; PLANNING AND PREPARATION; TRAINING AND QUALIFICATIONS OF NEW MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; AND THE ALARA PROGRAM. ALSO OPEN ITEMS AND LICENSEE RESPONSES TO IE INFORMATION NOTICE NOS. 85-42, 85-43, AND 85-81 WERE REVIEWED. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

INSPECTION STATUS - (CONTINUED)

PAGE 2-405

1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 02/01/86 Outage + On-line Hrs: 672.0

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>672.0</u>	<u>1,416.0</u>	<u>100,345.0</u>
13. Hours Reactor Critical	<u>672.0</u>	<u>794.1</u>	<u>72,213.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>594.5</u>	<u>594.5</u>	<u>70,202.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,457,563</u>	<u>1,457,563</u>	<u>207,127,068</u>
18. Gross Elec Ener (MWH)	<u>480,166</u>	<u>480,166</u>	<u>64,799,761</u>
19. Net Elec Ener (MWH)	<u>457,383</u>	<u>444,720</u>	<u>61,622,162</u>
20. Unit Service Factor	<u>88.5</u>	<u>42.0</u>	<u>70.0</u>
21. Unit Avail Factor	<u>88.5</u>	<u>42.0</u>	<u>70.0</u>
22. Unit Cap Factor (MDC Net)	<u>65.4</u>	<u>30.2</u>	<u>59.0</u>
23. Unit Cap Factor (DER Net)	<u>65.4</u>	<u>30.2</u>	<u>59.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,138.1</u>

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

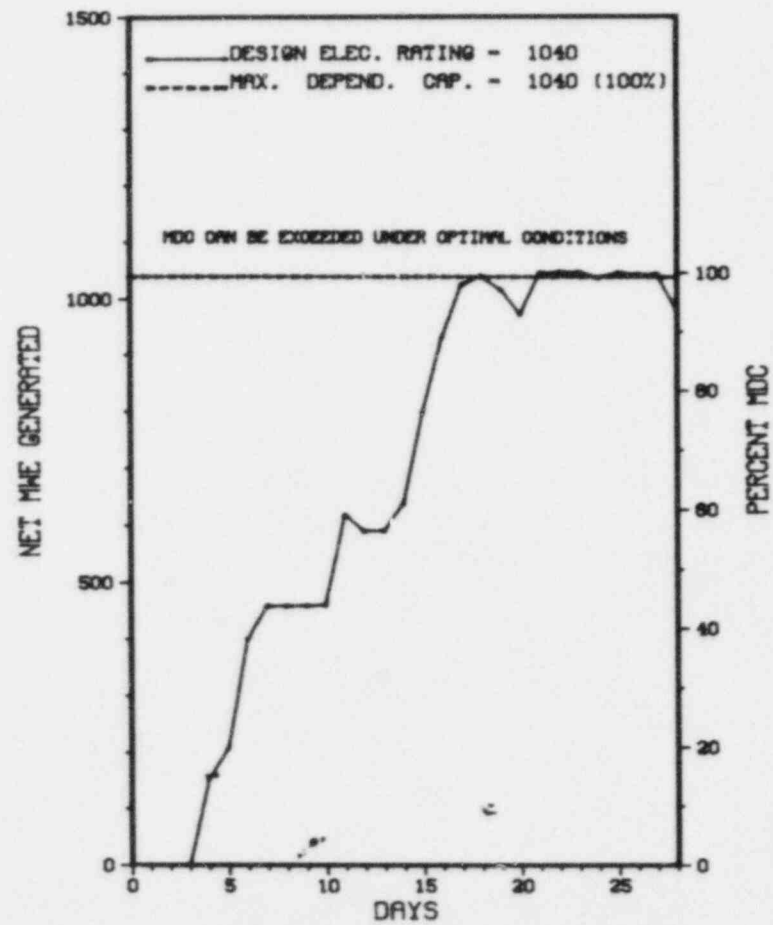
NONE

27. If Currently Shutdown Estimated Startup Date: 03/04/86

* Z I O N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Z I O N 2



FEBRUARY 1986

Report Period FEB 1986

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	77.5	C	4				END OF CYCLE VIII-IX REFUELING OUTAGE CONCLUDES.

***** ZION 2 RETURNED TO POWER ON FEBRUARY 4 FOLLOWING A REFUELING OUTAGE.
* SUMMARY *

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

* ZION 2 *

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

Report Period FEB 1986

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 DECEMBER 9-13 (85041): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING A MAINTENANCE OUTAGE INCLUDING: CHANGES IN ORGANIZATION, PERSONNEL, FACILITIES, EQUIPMENT, PROGRAMS, AND PROCEDURES; AUDITS AND APPRAISALS; PLANNING AND PREPARATION; TRAINING AND QUALIFICATIONS OF NEW MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; AND THE ALARA PROGRAM. ALSO OPEN ITEMS AND LICENSEE RESPONSES TO IE INFORMATION NOTICE NOS. 85-42, 85-43, AND 85-81 WERE REVIEWED. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NONE

NONE

PLANT STATUS:

THE UNIT IS IN A REFUELING OUTAGE UNTIL JANUARY 1986.

LAST IE SITE INSPECTION DATE: APRIL 21 - 25, 1986

INSPECTION REPORT NO: 86006

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-28	12/14/85	01/13/86	LOSS OF DECAY HEAT REMOVAL DUE TO RHR PUMP CAVITATION
86-01	01/03/86	01/31/86	OPERATION OF THE PRESSURIZER POWER OPERATED RELIEF VALVES

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SECTION 3

APPENDIX

* PRESSURIZED*

* WATER *

* REACTORS *

STATUS OF SPENT FUEL STORAGE CAPABILITY

***** REACTORS *****		CORE SIZE (NO. OF ASSEMBLIES)	PRES. AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	MAINING CAPACITY PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
FACILITY *****	*****	*****	*****	*****	*****	*****	*****	*****
ARKANSAS 1	177	988	456	532			08-86	1998
ARKANSAS 2	177	988	162	820			06-86	2003
BEAVER VALLEY 1	157	833	232	601			05-86	1995
BYRON 1	193	1050	0	1050			10-86	1995
CALLAWAY 1	193	1340	0	1340			02-86	1993
CALVERT CLIFFS 1	217	1830(c)	1000(c)	830(c)(m)	1098		10-86	1991
CALVERT CLIFFS 2	217						03-87	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						03-86	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			08-86	1993
DIABLO CANYON 2								
FARLEY 1	157	1407	273	1134			N/S	1991
FARLEY 2	157	1407	188	1219			04-86	1994
FORT CALHOUN 1	133	729	348	381			03-87	1996
GINNA	121	1016	380	636			02-86	1993
HADDAM NECK	157	1168	597	571			07-87	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)			02-86	1993
MAINE YANKEE	217	1476	721	755			N/S	1987
MCGUIRE 1	193	1463	152	1311(n)			03-86	2010
MCGUIRE 2	193	1463	78	1385			06-86	2010
MILLSTONE 2	217	667	449	218			10-86	1987
MILLSTONE 3	0	0	0	0				
NORTH ANNA 1	157	1737(c)	468(c)	1269			N/S	1993
NORTH ANNA 2	157						03-86	1993
OCONEE 1	177	1312(1)	982	330(1)(n)			03-86	1991
OCONEE 2	177						08-86	1991
OCONEE 3	177	875	390	485			03-87	1991
PALISADES	204	798	477	321			N/S	2002
PALO VERDE 1	241	1329	0	1329			N/S	1993
POINT BEACH 1	121	1502(c)	835(c)	667(c)			04-86	1995
POINT BEACH 2	121						N/S	1995
PRAIRIE ISLAND 1	121	1586(c)	741(c)	845(c)(m)			03-86	1993
PRAIRIE ISLAND 2	121						N/S	1993
RANCHO SECO 1	177	1080	316	764			01-87	2000
ROBINSON 2	157	541	274	266(e)	379		N/S	1988(g)
SALEM 1	193	1170	296	874			03-86	2001
SALEM 2	193	1170	140	1030			10-86	2004
SAN ONOFRE 1	157	216	94	122			N/S	1988
SAN ONOFRE 2	217	800	72	728			04-86	1997
SAN ONOFRE 3	217	800	72	728			11-86	
SEQUOYAH 1	193	1386	348	1033			N/S	1994

Report Period FEB 1986

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

*****		(a)				REMAINING CAPACITY		
*****		CORE SIZE	PRESENT AUTH.	NO. OF	ASSEMBLIES REMAINING CAPACITY	IF PENDING REQUEST		
		(NO. OF	STORAGE POOL CAP.	ASSEMBLIES	STORAGE (NO. OF ASSEMBLIES)	APPROVED	NEXT REFUEL	WILL FILL PRESENT
		ASSEMBLIES)	(FUEL ASSEMBLIES)			(NO. OF ASSEMBLIES)	SCHED. DATE	AUTH. CAPACITY
*****		*****	*****	*****	*****	*****	*****	*****
SEQUOYAH 2(d)	193						N/S	1994
ST LUCIE 1	217		728	372	356		N/S	1993
ST LUCIE 2	217		1076	80	996		02-86	1993
SUMMER 1	157		1276	96	1180		N/S	2008
SURRY 1	157		1044(c)	849(c)	195(c)		05-86	1985
SURRY 2	157						N/S	1985
THREE MILE ISLAND 1	177		752	208	544		N/S	1991
THREE MILE ISLAND 2	177		442	0	442		N/S	
TROJAN	193		1408	361	1047		04-86	1993
TURKEY POINT 3	157		1404	445	959(m)		N/S	1993
TURKEY POINT 4	157		1404	482	922		N/S	1993
WATERFORD 3	217		1088	0	1088		N/S	1993
WOLF CREEK 1	193		1340	0	1340		N/S	
YANKEE-ROWE 1	76		721	325	396		N/S	1993
ZION 1	193		2112(c)	1008(c)	1104(c)		06-86	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

STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES REMAINING STORAGE (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	WILL FILL PRESENT AUTH. CAPACITY
BIG ROCK POINT 1	84	441	192	249	N/S	1993
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	123	N/S	1992
BRUNSWICK 2	560		144PWR+564BWR	107	N/S	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	696	1354	02-87	1998
FITZPATRICK	560	2244	1012	768	N/S	1992
GRAND GULF 1	800	1440	0	1440	N/S	1993
HATCH 1	560	6026	1580	4446	N/S	1999
HATCH 2	560			1325	N/S	1999
HUMBOLDT BAY	172	487	251	236	N/S	
LA CROSSE	72	440	237	203	03-86	1992
LASALLE 1	764	2162	191	1971	N/S	1988
LASALLE 2	764				N/S	1988
LIMERICK 1	764	2040	0	2040	N/S	1993
MILLSTONE 1	580	2184	1546	638	05-86	1991
MONTICELLO	484	2237	701	1536	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 *

FACILITY	(a)		NO. OF ASSEMBLIES STORED	REMAINING CAPACITY		NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)		REMAINING CAPACITY (NO. OF ASSEMBLIES)	IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)		
PEACH BOTTOM 2	764	2816	1462	1354	2357	01-87	1989
PEACH BOTTOM 3	764	2816	1490	1326	2329	N/S	1989
PILGRIM 1	580	2320	1128	642(m)		09-86	1990
QUAD CITIES 1	724	3657	2358	1299		N/S	2003
QUAD CITIES 2	724	3897	842	3055		10-86	2003
RIVER BEND 1							
SUSQUEHANNA 1	764	2840	191	2649		02-86	1997
SUSQUEHANNA 2	764	2840	0	2840		08-86	1997
VERMONT YANKEE 1	368	2000	1296	704		N/S	1992
WASHINGTON NUCLEAR*	764	2658	0	2658		04-86	1993

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS 750 MTU(j) 315 385 MTU(j) 1490 MTU(j)
NFS(i) 250 MTU 170 MTU 80 MTU

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
- (b) Some of these dates have been adjusted by staff assumptions.
- (c) This is the total for both units.
- (d) Plant not in commercial operation.
- (e) Some spent fuel stored at Brunswick.
- (f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.
- (g) Robinson 2 assemblies being shipped to Brunswick for storage.
- (h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
- (i) No longer accepting spent fuel.
- (j) Racked for 700 MTU.
- (k) Reserved.
- (l) This is the station total.
- (m) Installed capacity is less than that authorized.
- (n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

	YEARS	1ST ELEC GENERATE	UNIT

* LICENSED *	11.58	08/01/74	ARKANSAS 1
* OPERATING *	23.23	12/08/62	BIG ROCK POINT 1
* ELECTRICAL *	9.46	09/12/76	BROWNS FERRY 3
* PRODUCING *	1.00	03/01/85	BYRON 1
* UNITS *	9.23	12/07/76	CALVERT CLIFFS 2

	7.94	03/22/78	COOK 2
	8.51	08/28/77	DAVIS-BESSE 1
	15.88	04/13/70	DRESDEN 2
	8.53	08/ 8/77	FARLEY 1
	12.51	08/25/73	FORT CALHOUN 1
	1.36	10/20/84	GRAND GULF 1
	7.44	09/22/78	HATCH 2
	11.90	04/08/74	KEWAUNEE
	1.86	04/20/84	LASALLE 2
	4.67	06/30/81	MCGUIRE 1
	10.31	11/09/75	MILLSTONE 2
	16.31	11/09/69	NINE MILE POINT 1
	12.82	05/06/73	OCONEE 1
	16.44	09/23/69	OYSTER CREEK 1
	12.03	02/18/74	PEACH BOTTOM 2
	15.32	11/06/70	POINT BEACH 1
	11.19	12/21/74	PRAIRIE ISLAND 2
	11.38	10/13/74	RANCHO SECO 1
	9.18	12/25/76	SALEM 1
	3.44	09/20/82	SAN ONOFRE 2
	4.19	12/23/81	SEQUOYAH 2
	3.29	11/16/82	SUMMER 1
	3.29	11/16/82	SUSQUEHANNA 1
	10.19	12/23/75	TROJAN
	13.44	09/20/72	VERMONT YANKEE 1
	.72	06/12/85	WOLF CREEK 1
	12.18	12/26/73	ZION 2

TOTAL 894.43 YRS

YEARS	1ST ELEC GENERATE	UNIT
7.18	12/26/78	ARKANSAS 2
12.38	10/15/73	BROWNS FERRY 1
9.24	12/04/76	BRUNSWICK 1
1.35	10/24/84	CALLAWAY 1
1.10	01/22/85	CATAWBA 1
11.81	05/10/74	COOPER STATION
1.30	11/11/84	DIABLO CANYON 1
14.61	07/22/71	DRESDEN 3
4.77	05/25/81	FARLEY 2
9.22	12/11/76	FORT ST VRAIN
18.57	08/07/67	HADDAM NECK
12.68	06/26/73	INDIAN POINT 2
17.85	04/26/68	LA CROSSE
.88	04/13/85	LIMERICK 1
2.77	05/23/83	MCGUIRE 2
.05	02/12/86	MILLSTONE 3
7.87	04/17/78	NORTH ANNA 1
12.24	12/05/73	OCONEE 2
14.17	12/31/71	PALISADES
11.50	09/01/74	PEACH BOTTOM 3
13.58	08/02/72	POINT BEACH 2
13.88	04/12/72	QUAD CITIES 1
.24	12/03/85	RIVER BEND 1
4.74	06/03/81	SALEM 2
2.43	09/25/83	SAN ONOFRE 3
9.82	05/07/76	ST LUCIE 1
13.66	07/04/72	SURRY 1
1.66	07/03/84	SUSQUEHANNA 2
13.33	11/02/72	TURKEY POINT 3
1.76	05/27/84	WASHINGTON NUCLEAR 2
25.30	11/10/60	YANKEE-ROWE 1

YEARS	1ST ELEC GENERATE	UNIT
9.71	06/14/76	BEAVER VALLEY 1
11.51	08/28/74	BROWNS FERRY 2
10.84	04/29/75	BRUNSWICK 2
11.16	01/03/75	CALVERT CLIFFS 1
11.05	02/10/75	COOK 1
9.08	01/30/77	CRYSTAL RIVER 3
.36	10/20/85	DIABLO CANYON 2
11.78	05/19/74	DUANE ARNOLD
11.08	02/01/75	FITZPATRICK
16.24	12/02/69	GINNA
11.30	11/11/74	HATCH 1
9.84	04/27/76	INDIAN POINT 3
3.49	09/04/82	LASALLE 1
13.31	11/08/72	MAINE YANKEE
15.25	11/29/70	MILLSTONE 1
14.99	03/05/71	MONTICELLO
5.51	08/25/80	NORTH ANNA 2
11.50	09/01/74	OCONEE 3
.72	06/10/85	PALO VERDE 1
13.62	07/19/72	PILGRIM 1
12.24	12/04/73	PRAIRIE ISLAND 1
13.77	05/23/72	QUAD CITIES 2
15.43	09/26/70	ROBINSON 2
18.63	07/16/67	SAN ONOFRE 1
5.61	07/22/80	SEQUOYAH 1
2.72	06/13/83	ST LUCIE 2
12.97	03/10/73	SURRY 2
11.70	06/19/74	THREE MILE ISLAND 1
12.69	06/21/73	TURKEY POINT 4
.95	03/18/85	WATERFORD 3
12.67	06/28/73	ZION 1

YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT

* PERMANENTLY *	3.80	08/14/64	06/01/68 BONUS
* OR *	18.54	04/15/60	10/31/78 DRESDEN 1
* INDEFINITELY *	6.32	08/05/66	11/29/72 FERMI 1
* SHUTDOWN *	13.21	04/18/63	07/02/76 HUMBOLDT BAY
* UNITS *	1.19	07/25/66	10/01/67 PATHFINDER

	2.16	11/04/63	01/01/66 PIQUA

TOTAL 74.77 YRS

YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT
3.04	12/18/63	01/01/67	CVTR
4.44	08/24/63	02/01/68	ELK RIVER
1.26	05/29/63	09/01/64	HALLAM
12.12	09/16/62	10/31/74	INDIAN POINT 1
7.76	01/21/67	11/01/74	PEACH BOTTOM 1
.93	04/21/78	03/28/79	THREE MILE ISLAND 2

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOGA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
	SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE 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 - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	500.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-74	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.100
OREGON	CORVALLIS	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
	PORTLAND	REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

 * RESEARCH *
 * REACTORS *

NON - POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
***** * EXPERIMENTAL AND TEST REACTORS * *****							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0
***** * CRITICAL EXPERIMENT FACILITIES * *****							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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Status Summary Report

14. ABSTRACT (200 words or less)

The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.

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