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February 1988

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 01-31-88

UNITED STATES NUCLEAR REGULATORY COMMISSION



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OFFICE OF ADMINISTRATION AND RESOURCES 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 Information Resources 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	$\frac{\text{Forced Outage Hours} \times 100}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$
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

***** 104 IN COMMERCIAL OPERATION 90,335 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 2 IN POWER ASCENSION. 2,200 capacity; design elec. rating
 * POWER * used if MDC not determined
 * REACTORS * (b) 106 LICENSED TO OPERATE 92,535 TOTAL
 ***** (c) 3 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

(a)	MDC NET	(b) Excludes these plants licensed for operation which are shut down indefinitely or permanently	DER	(c)	DATE	DER
BRAIDWOOD 1	1120	1. DRESDEN 1.....	200	BRAIDWOOD 2	12/18/87	1120
NINE MILE POINT 2	1080	2. HUMBOLDT BAY.....	65	SHOREHAM	07/03/85	820
		3. TMI 2.....	906	SOUTH TEXAS 1	08/21/87	1250
		4. LACROSSE.....	50			

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
*****	1. GROSS ELECTRICAL (MWE)	46,973,074	43,183,081	46,973,074
* POWER *	2. NET ELECTRICAL (MWE)	43,764,015	41,089,795	43,764,015
* GENERATION *	3. AVG. UNIT SERVICE FACTOR (%)	73.2	70.4	73.2
*****	4. AVG. UNIT AVAILABILITY FACTOR (%)	73.2	70.4	73.2
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	68.3	65.4	68.3
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	66.5	63.9	66.5
	7. FORCED OUTAGE RATE (%)	12.7	14.1	12.7

			% OF POTENTIAL PRODUCTION
*****	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	43,764,015 NET	65.9
* ACTUAL VS. *	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	10,379,780 MWe	15.6
* POTENTIAL *	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	9,020,313 MWe	13.6
* ENERGY *	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	3,251,970 MWe	4.9
* PRODUCTION *			
*****	POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)	66,416,078 MWe	100.0% TOTAL
	5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	684,092 MWe	
	6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS.	MWe	4 UNIT(S) WITH NRC RESTRICTION

		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWE LOST PRODUCTION
*****	1. FORCED OUTAGES DURING REPORT PERIOD	47	9,182.1	12.0	9,020,313
* OUTAGE *	2. SCHEDULED OUTAGES DURING REPORT PERIOD.	30	11,551.6	15.1	10,379,780
* DATA *					
*****	TOTAL	77	20,733.7	27.0	19,400,093

MWE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

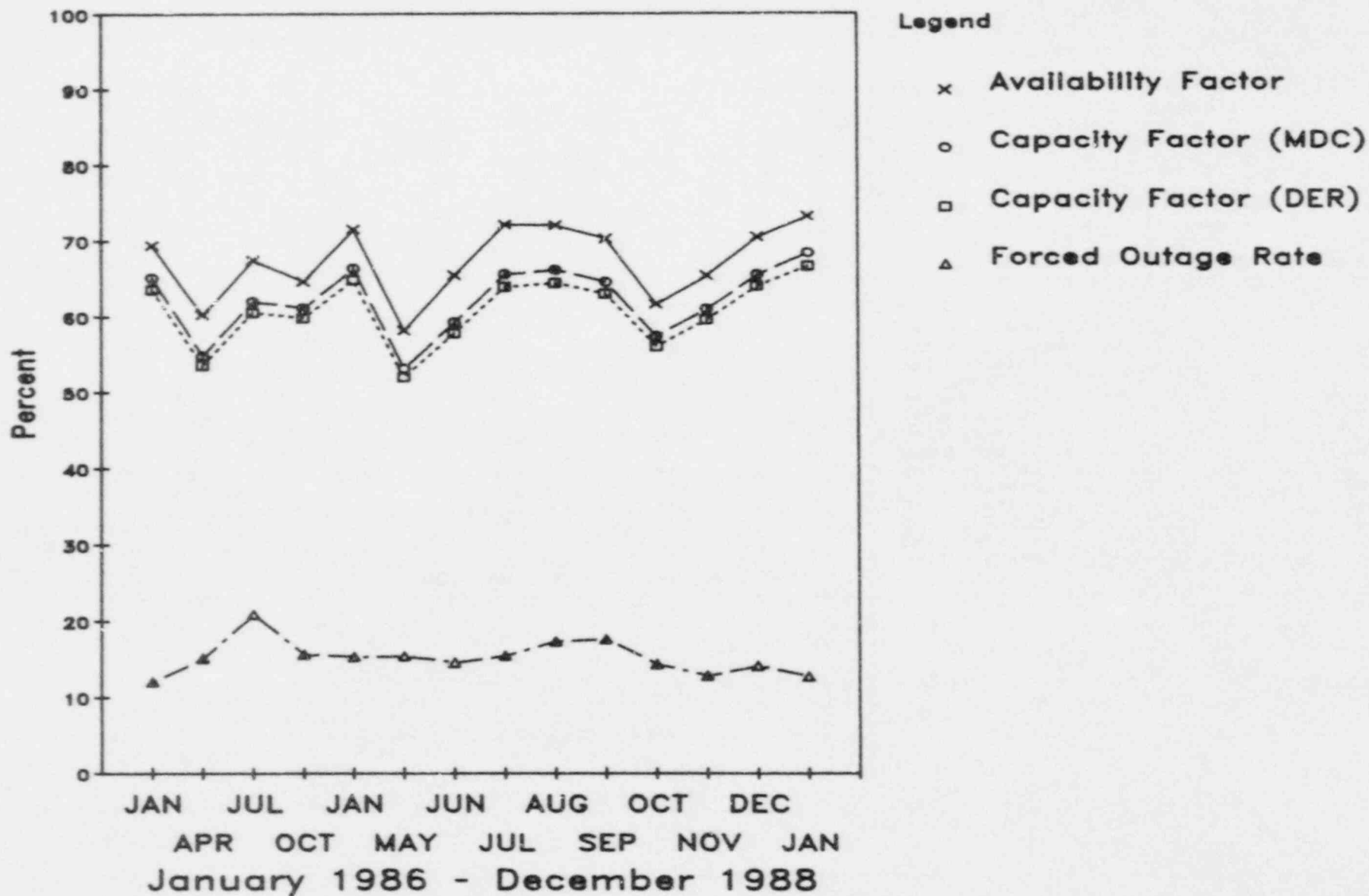
	NUMBER	HOURS LOST
***** * REASONS * * FOR * * SHUTDOWNS * *****		
A - Equipment Failure	28	3,903.0
B - Maintenance or Test	17	2,443.1
C - Refueling	17	9,245.4
D - Regulatory Restriction	2	796.0
E - Operator Training & License Examination	0	0.0
F - Administrative	5	3,720.0
G - Operational Error	3	103.6
H - Other	5	522.6
TOTAL	77	20,733.7

	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
***** * DERATED * * UNITS * *****			
BIG ROCK POINT 1	69	50	Self-imposed
BYRON 1	1120	1097	Self-imposed
BYRON 2	1120	1055	Self-imposed
COOK 1	1020	920	Self-imposed
COOK 2	1060	864	Self-imposed
DAVIS-BESSE 1	860	697	Self-imposed
FORT ST VRAIN	330	271	NRC Restriction
HATCH 2	768	596	Self-imposed
LASALLE 1	1036	1025	Self-imposed
OCONEE 2	846	700	Self-imposed
PEACH BOTTOM 2	1051	0	NRC Restriction
PEACH BOTTOM 3	1035	0	NRC Restriction
RANCHO SECO 1	873	0	NRC Restriction
SAN ONOFRE 1	436	390	Self-imposed

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
***** * SHUTDOWNS * * GREATER * * THAN 72 HRS * * EACH * *****							
BEAVER VALLEY 1	C	BEAVER VALLEY 2	B	BROWNS FERRY 1	F	BROWNS FERRY 2	F
BROWNS FERRY 3	F	BRUNSWICK 1	B	BRUNSWICK 2	C	CATAWBA 1	A
CATAWBA 2	C	COOPER STATION	A	CRYSTAL RIVER 3	C	DAVIS-BESSE 1	B
FITZPATRICK	B	GRAND GULF 1	A,C	HADDAM NECK	C	HATCH 2	C
INDIAN POINT 2	C	MILLSTONE 2	C	MILLSTONE 3	C	NINE MILE POINT 1	A,C
NORTH ANNA 1	A,H	PALISADES	A	PALO VERDE 1	A,C	PEACH BOTTOM 2	C
PEACH BOTTOM 3	C	PERRY 1	B	PILGRIM 1	C	PRAIRIE ISLAND 2	C
QUAD CITIES 2	A	RANCHO SECO 1	D	RIVER BEND 1	A	SALEM 1	B,B
SAN ONOFRE 3	A	SEQUOYAH 1	F	SEQUOYAH 2	F	TROJAN	A
TURKEY POINT 3	A	VOGTLE 1	A,A	WOLF CREEK 1	A,C		

Unit Availability, Capacity, Forced Outage

Avg Unit Percentage as of January 1988



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.

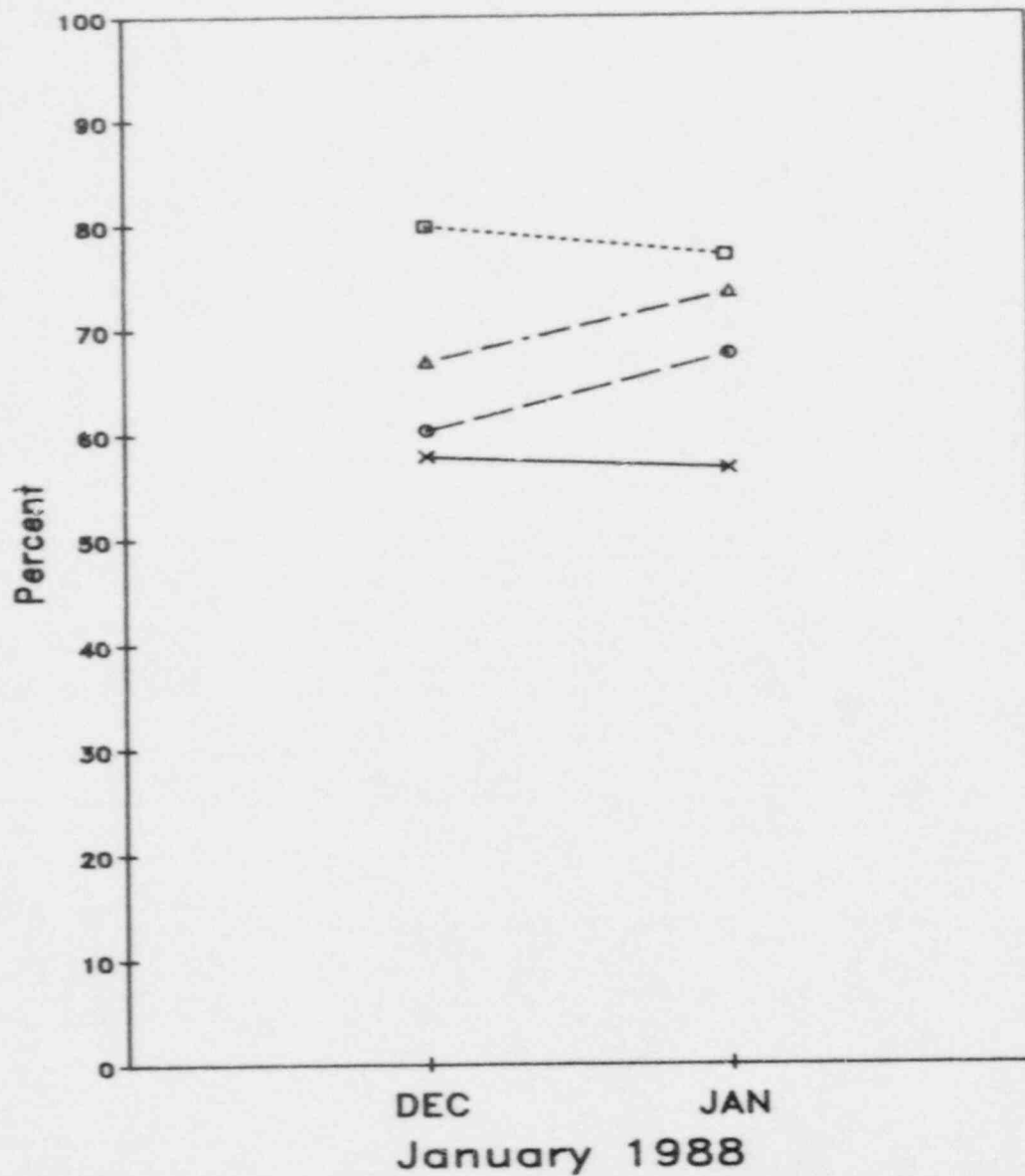
The straight line on the graph labelled "SUM OF MDC" is plotted at the value shown by summing the separate maximum dependable capacities of the commercially operating units (in Net MWe). The plot shown below the line is calculated by summing the separate average daily power levels of the same units for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

THE AVERAGE POWER LEVEL CHART
IS NOT AVAILABLE THIS REPORT
PERIOD DUE TO SOFTWARE PROBLEMS.

Vendor Average Capacity Factors As of 1/31/88



Legend

- x General Electric
- o Westinghouse
- Combustion Engineering
- △ Babcock & Wilcox

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

AVERAGE CAPACITY FACTORS BY VENDORS

***** * GENERAL * * ELECTRIC * *****	CFMDC 0.0 BROWNS FERRY 1 1.0 BRUNSWICK 2 95.9 DRESDEN 3 50.4 GRAND GULF 1 94.7 LASALLE 1 100.8 MONTICELLO 0.0 PEACH BOTTOM 3 3.4 QUAD CITIES 2 101.2 VERMONT YANKEE 1	CFMDC 0.0 BROWNS FERRY 2 93.9 CLINTON 1 102.6 DUANE ARNOLD 99.7 HATCH 1 94.3 LASALLE 2 0.0 NINE MILE POINT 1 9.1 PERRY 1 82.8 RIVER BEND 1 85.7 WASHINGTON NUCLEAR 2	CFMDC 0.0 BROWNS FERRY 3 79.8 COOPER STATION 87.8 FERMI 2 27.8 HATCH 2 97.5 LIMERICK 1 103.1 OYSTER CREEK 1 0.0 PILGRIM 1 96.8 SUSQUEHANNA 1	CFMDC 69.9 BRUNSWICK 1 89.9 DRESDEN 2 40.6 FITZPATRICK 99.3 HOPE CREEK 1 100.8 MILLSTONE 1 0.0 PEACH BOTTOM 2 4.3 QUAD CITIES 1 99.8 SUSQUEHANNA 2
***** * BABCOCK & * * WILCOX * *****	CFMDC 78.7 ARKANSAS 1 82.1 OCONEE 2	CFMDC 59.5 CRYSTAL RIVER 3 97.9 OCONEE 3	CFMDC 68.9 DAVIS-BESSE 1 0.0 RANCHO SECO 1	CFMDC 100.6 OCONEE 1 105.7 THREE MILE ISLAND 1
***** * COMBUSTION * * ENGINEERING * *****	CFMDC 103.8 ARKANSAS 2 94.8 MAINE YANKEE 102.1 PALO VERDE 2 103.0 ST LUCIE 1	CFMDC 98.7 CALVERT CLIFFS 1 0.0 MILLSTONE 2 103.0 PALO VERDE 3 102.9 ST LUCIE 2	CFMDC 102.6 CALVERT CLIFFS 2 11.3 PALISADES 97.9 SAN ONOFRE 2 86.3 WATERFORD 3	CFMDC 102.4 FORT CALHOUN 1 0.0 PALO VERDE 1 64.8 SAN ONOFRE 3
***** * WESTINGHOUSE * *****	CFMDC 0.0 BEAVER VALLEY 1 93.7 CALLAWAY 1 81.3 COOK 2 102.7 FARLEY 2 12.0 INDIAN POINT 2 95.2 MCGUIRE 2 102.3 POINT BEACH 1 92.3 ROBINSON 2 0.0 SEQUOYAH 1 99.4 SURRY 2 52.8 VOGTLE 1 97.8 ZION 2	CFMDC 81.7 BEAVER VALLEY 2 60.6 CATAWBA 1 81.3 DIABLO CANYON 1 94.4 GINNA 100.3 INDIAN POINT 3 0.0 MILLSTONE 3 102.3 POINT BEACH 2 0.0 SALEM 1 0.0 SEQUOYAH 2 82.3 TROJAN 47.1 WOLF CREEK 1	CFMDC 78.0 BYRON 1 0.0 CATAWBA 2 97.3 DIABLO CANYON 2 0.0 HADDAM NECK 103.2 KEWAUNEE 22.6 NORTH ANNA 1 104.3 PRAIRIE ISLAND 1 97.1 SALEM 2 100.7 SUMMER 1 29.9 TURKEY POINT 3 97.3 YANKEE-ROWE 1	CFMDC 68.0 BYRON 2 85.9 COOK 1 101.4 FARLEY 1 102.5 HARRIS 1 95.2 MCGUIRE 1 100.2 NORTH ANNA 2 11.8 PRAIRIE ISLAND 2 88.6 SAN ONOFRE 1 100.8 SURRY 1 104.3 TURKEY POINT 4 97.4 ZION 1

* OTHER INFO *

Units excluded are:
BIG ROCK POINT
DRESDEN 1
FORT ST VRAIN
HUMBOLDT BAY
LACROSSE
THREE MILE ISLAND 2

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

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

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	12,219,829	19,876,911	7,819,108	3,663,272	31,359,291
MDC NET.....	29,794	39,508	13,949	6,704	60,161
CFMDC.....	56.6	67.6	76.9	73.4	70.4

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

BIG ROCK POINT 1
CALVERT CLIFFS 1
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 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
RIVER BEND
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

THE FOLLOWING CORRECTIONS SHOULD BE
MADE TO BEAVER VALLEY 2 OPERATING
STATUS FOR THE DECEMBER 1987 REPORTING
PERIOD:

20.	UNIT SERVICE FACTOR	CUMULATIVE	88.7
21.	UNIT AVAIL FACTOR	CUMULATIVE	88.7
22.	UNIT CAP FACTOR(MDC NET)	CUMULATIVE	82.7
23.	UNIT CAP FACTOR(DER NET)	CUMULATIVE	82.4
24.	UNIT FORCED OUTAGE RATE	CUMULATIVE	11.3

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): _____

11. Reasons for Restrictions, If Any: _____
NONE

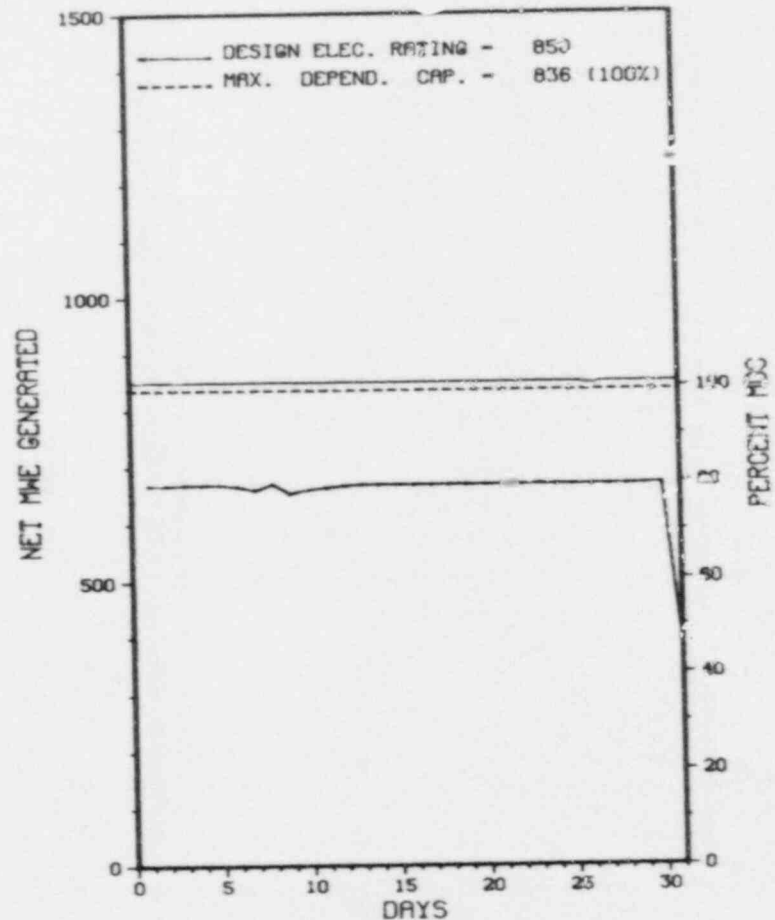
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>115,003.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>79,799.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>78,172.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,509,116</u>	<u>1,509,116</u>	<u>180,344,123</u>
18. Gross Elec Ener (MWH)	<u>515,695</u>	<u>515,695</u>	<u>59,782,825</u>
19. Net Elec Ener (MWH)	<u>489,374</u>	<u>489,374</u>	<u>56,878,751</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>68.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>78.7</u>	<u>78.7</u>	<u>59.2</u>
23. Unit Cap Factor (DER Net)	<u>77.4</u>	<u>77.4</u>	<u>58.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,397.6</u>

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

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

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8718	01/09/88	F	0.0	A	5		SJ	PDT	POWER REDUCED TO REPLACE FEEDWATER FLOW INDICATOR
8719	01/31/88	F	0.0	H	5		ZZ	ZZZZZ	POWER REDUCED DUE TO LOSS OF 500 KV TRANSMISSION LINE.

 * SUMMARY *

 ARKANSAS 1 INCURRED TWO POWER REDUCTIONS DURING JANUARY AS DISCUSSED 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
	G-Oper Error	3-Auto Scram	Preparation of
	C-Refueling	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training & License Examination		

* ARKANSAS 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....B. JOHNSON
LICENSING PROJ MANAGER.....G. DICK
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 OCT.21-23 AND 27-30, 1987 (87-37) ROUTINE, UNANNOUNCED INSPECTION OF THE JUSTIFICATION FOR CONTINUED OPERATION COMMITMENT ITEMS RELATED TO THE EFFECTS OF THE ELEVATED REACTOR BUILDING TEMPERATURES AND THE LEAKAGE OF THE LOWER INSPECTION HANDHOLE COVER ON A AND B ONCE-THROUGH STEAM GENERATORS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. NEAR TERM ACTION ITEMS IDENTIFIED IN THE JUSTIFICATION FOR CONTINUED OPERATIONS COMMITMENTS APPEAR TO HAVE BEEN COMPLETED.

INSPECTION CONDUCTED DEC.7-11, 1987 (87-40) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S COMPENSATORY MEASURES, ACCESS CONTROL - PERSONNEL, ASSESSMENT AIDS, DETECTION AIDS - PROTECTED AREA (PA), PHYSICAL BARRIERS - VITAL AREA (VA), SECURITY ORGANIZATION, SECURITY PLANS AND IMPLEMENTING PROCEDURES, PHYSICAL BARRIERS - PA, DETECTION AIDS - VA, AND RECORDS AND REPORTS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-368 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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 Reason.:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

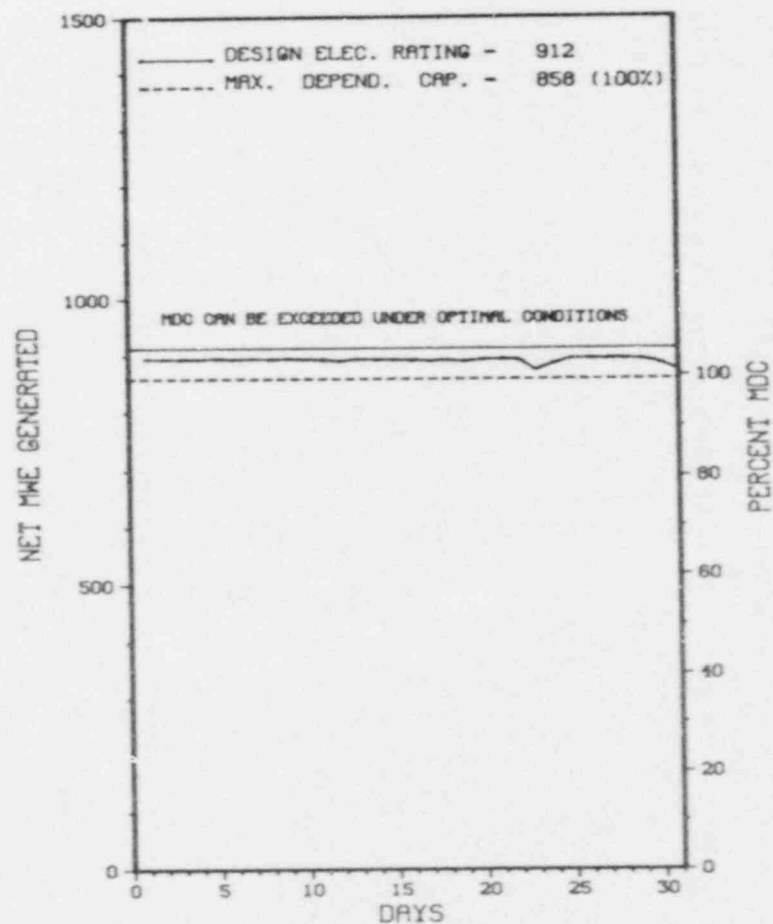
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>68,832.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>50,511.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>49,137.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>2,083,868</u>	<u>2,083,868</u>	<u>126,941,425</u>
18. Gross Elec Ener (MWH)	<u>692,930</u>	<u>692,930</u>	<u>41,692,341</u>
19. Net Elec Ener (MWH)	<u>662,830</u>	<u>662,830</u>	<u>39,682,327</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.5</u>
22. Unit Cap Factor (MDC Net)	<u>103.8</u>	<u>103.8</u>	<u>67.2</u>
23. Unit Cap Factor (DER Net)	<u>97.7</u>	<u>97.7</u>	<u>63.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,336.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEBRUARY 12, 1988 - DURATION 78 DAYS.

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

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 2 *

<u>12.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
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N HE

* SUMMARY *

ARKANSAS 2 OPERATED ROUTINELY DURING JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

* ARKANSAS 2 *

FACILITY DATA

Report Period JAN 1988

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 EMER 1ST GENER...DECEMBER 26, 1978
DATE COMMERCIAL OPERATE...MARCH 26, 1980
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...DARDANELLE RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

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.....C. HARBUCK
DOCKET NUMBER.....50-368
LICENSE & DATE ISSUANCE...NPF-6, SEPTEMBER 1, 1978
PUBLIC DOCUMENT ROOM.....ARKANSAS TECH UNIVERSITY
RUSSELLVILLE, ARKANSAS 72801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED OCT.21-23 AND 27-30, 1987 (87-37) NO INSPECTION OF UNIT 2 WAS CONDUCTED.

INSPECTION CONDUCTED DEC.7-11, 1987 (87-40) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S COMPENSATORY MEASURES, ACCESS CONTROL - PERSONNEL, ASSESSMENT AIDS, DETECTION AIDS - PROTECTED AREA (PA), PHYSICAL BARRIERS - VITAL AREA (VA), SECURITY ORGANIZATION, SECURITY PLANS AND IMPLEMENTING PROCEDURES, PHYSICAL BARRIERS - PA, DETECTION AIDS - VA, AND RECORDS AND REPORTS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: OCT.30, 1987

INSPECTION REPORT NO: 50-368/87-37

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): _____

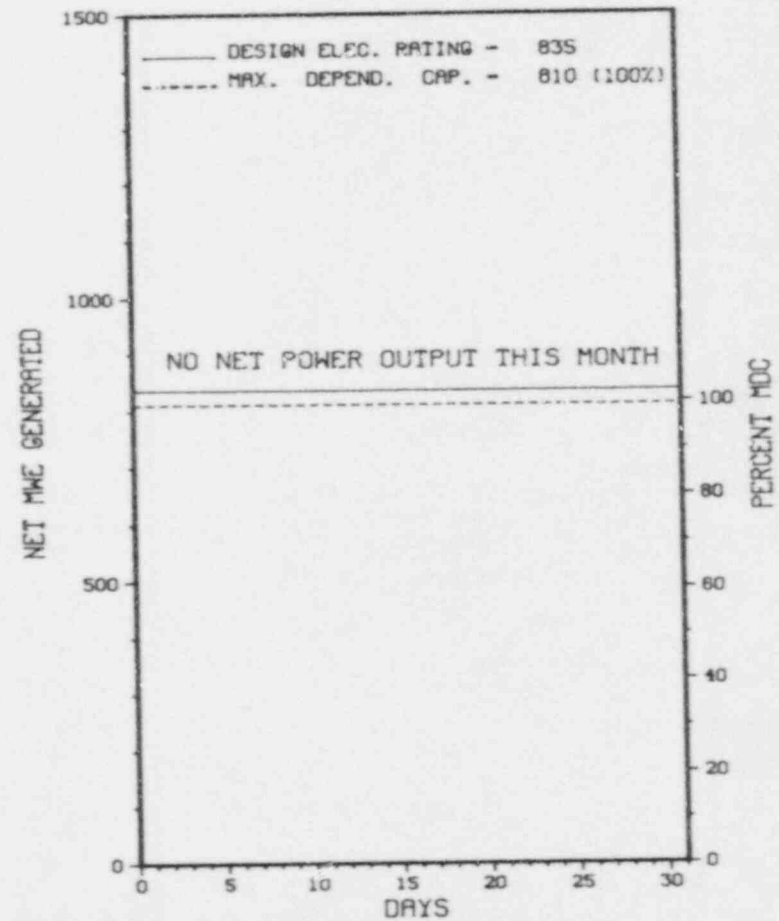
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>103,032.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>59,188.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>57,654.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2.2</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>136,917,310</u>
18. Gross Elec Ener (MNH)	<u>.0</u>	<u>.0</u>	<u>43,865,760</u>
19. Net Elec Ener (MWH)	<u>-3,200</u>	<u>-3,200</u>	<u>40,932,403</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>58.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>58.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>50.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>19.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>19,041.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 02/25/88

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BEAVER VALLEY 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/11/87	S	744.0	C	4		ZZ	ZZZZZZ	THE UNIT REMAINED SHUTDOWN THE ENTIRE MONTH FOR THE UNIT'S SIXTH REFUELING OUTAGE.

 * SUMMARY *

 BEAVER VALLEY 1 REMAINED SHUTDOWN IN JANUARY FOR SCHEDULED REFUELING OUTAGE.

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

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....BEAVER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...SHIPPINGPORT, PENNSYLVANIA
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.....J. BEALL
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
ALIQUPPA, PA 15001

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X BEAVER VALLEY 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-412 O P E R A T I N G S T A T U S

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2652

5. Nameplate Rating (Gross MWe): 923

6. Design Electrical Rating (Net MWe): 836

7. Maximum Dependable Capacity (Gross MWe): 885

8. Maximum Dependable Capacity (Net MWe): 833

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>744.0</u>	<u>744.0</u>	<u>1,815.0</u>
13. Hours Reactor Critical	<u>625.9</u>	<u>625.9</u>	<u>1,591.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>625.9</u>	<u>625.9</u>	<u>1,575.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,647,518</u>	<u>1,647,518</u>	<u>4,033,155</u>
18. Gross Elec Ener (MWH)	<u>535,800</u>	<u>535,800</u>	<u>1,318,000</u>
19. Net Elec Ener (MWH)	<u>506,550</u>	<u>506,550</u>	<u>1,244,654</u>
20. Unit Service Factor	<u>84.1</u>	<u>84.1</u>	<u>86.8</u>
21. Unit Avail Factor	<u>84.1</u>	<u>84.1</u>	<u>86.8</u>
22. Unit Cap Factor (MDC Net)	<u>81.7</u>	<u>81.7</u>	<u>82.3</u>
23. Unit Cap Factor (DER Net)	<u>81.4</u>	<u>81.4</u>	<u>82.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.1</u>	<u>.1</u>	<u>121.3</u>

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

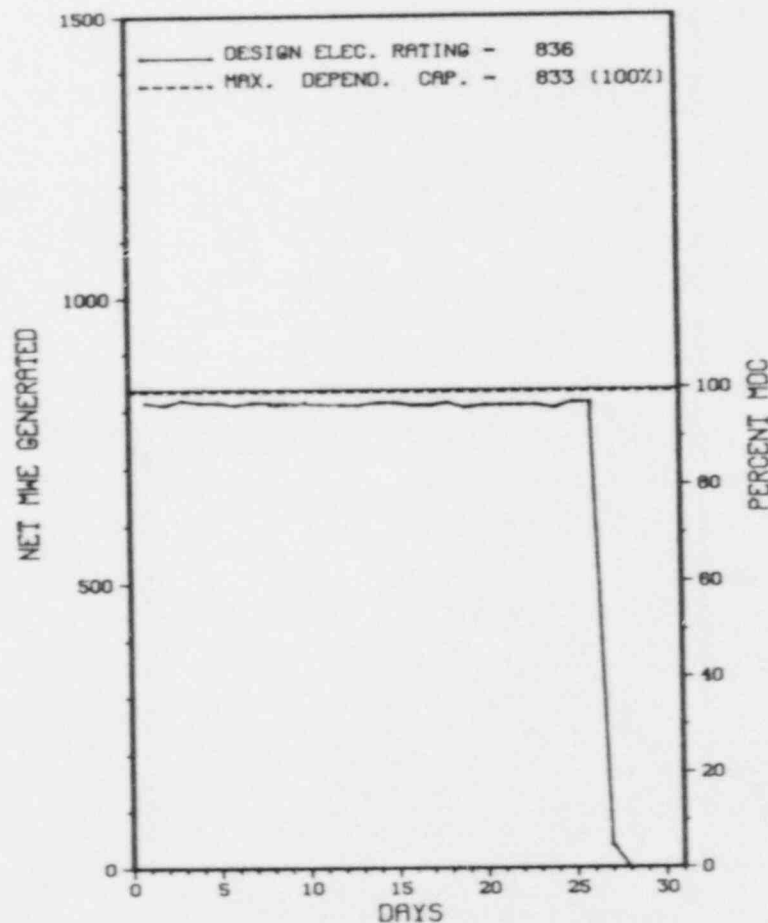
NONE

27. If Currently Shutdown Estimated Startup Date: 02/10/88

 * BEAVER VALLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/27/88	F	0.1	A	3	88-02	EB	ELECON	AT 0152 HOURS ON THE 27TH, THE UNIT TRIPPED AFTER THE 'A' 4KV BUS BECAME DE-ENERGIZED.
2	01/27/88	S	118.0	B	9		CA	VESSEL	THE UNIT REMAINED SHUTDOWN TO PERFORM SCHEDULED MAINTENANCE ON A LEAKING PRESSURIZER MANWAY.

 * SUMMARY *

 BEAVER VALLEY INCURRED ONE OUTAGE IN JANUARY AND REMAINED SHUTDOWN TO PERFORM SCHEDULED MAINTENANCE.

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

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....BEAVER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...SHIPPINGPORT, PENNSYLVANIA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 4, 1987
DATE ELEC ENER 1ST GENER...AUGUST 17, 1987
DATE COMMERCIAL OPERATE...NOVEMBER 17, 1987
CONDENSER COOLING METHOD...HNDCT
CONDENSER COOLING WATER...OHIO RIVER
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT
CORPORATE ADDRESS.....435 SIXTH AVENUE
PITTSBURGH, PENNSYLVANIA 15219
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.....J. BEALL
LICENSING PROJ MANAGER.....P. TAM
DOCKET NUMBER.....50-412
LICENSE & DATE ISSUANCE...NPF-73, AUGUST 1987
PUBLIC DOCUMENT ROOM.....B.F. JONES MEMORIAL LIBRARY
633 FRANKLIN AVENUE
ALIQIPPA, PA 15001

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 JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BEAVER VALLEY 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

=====

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

=====

1. Docket: 50-155 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. R. JOHNSTON (616) 547-6537

4. Licensed Thermal Power (MWh): 240

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

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 73

8. Maximum Dependable Capacity (Net MWe): 69

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

10. Power Level To Which Restricted, If Any (Net MWe): 50

11. Reasons for Restrictions, If Any:
ADMINISTRATIVE FOR REPAIRS.

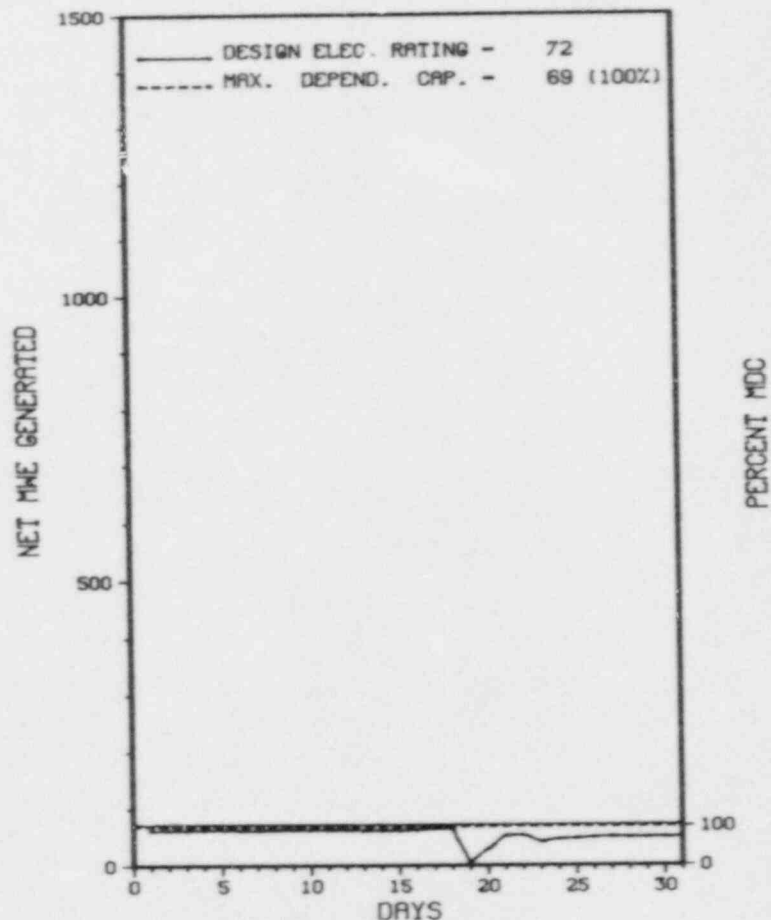
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>217,795.0</u>
13. Hours Reactor Critical	<u>720.9</u>	<u>720.9</u>	<u>156,554.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>717.8</u>	<u>717.8</u>	<u>153,852.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>135,069</u>	<u>135,069</u>	<u>29,068,592</u>
18. Gross Elec Ener (MWh)	<u>43,829</u>	<u>43,829</u>	<u>9,215,663</u>
19. Net Elec Ener (MWh)	<u>41,433</u>	<u>41,433</u>	<u>8,714,675</u>
20. Unit Service Factor	<u>96.5</u>	<u>96.5</u>	<u>70.6</u>
21. Unit Avail Factor	<u>96.5</u>	<u>96.5</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>111.4</u>	<u>111.4</u>	<u>59.4*</u>
23. Unit Cap Factor (DER Net)	<u>77.3</u>	<u>77.3</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>3.5</u>	<u>3.5</u>	<u>13.6</u>
25. Forced Outage Hours	<u>26.2</u>	<u>26.2</u>	<u>12,132.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - APRIL 9, 1988.

27. If Currently Shutdown Estimated Start-up Date: N/A

* BIG ROCK POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BIG ROCK POINT 1



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/19/88	F	26.2	A	1				THE UNIT WAS REMOVED FROM SERVICE DUE TO A TURBINE HIGH PRESSURE HEAT EXCHANGER STEAM LEAK IN THE SHELL SIDE. INVESTIGATIONS INDICATES THE LEAKAGE TO BE A SMALL PIN HOLE POPOSITY IN THE WELD REPAIRS MADE EARLY IN DECEMBER 1987. THE UNIT WAS RETURNED TO SERVICE AFTER REPAIRS WERE MADE
88-02	01/21/88	F	0.0	A	5				POWER WAS REDUCED TO INVESTIGATE A POSSIBLE DETERIORATE REACTOR RECIRC PUMP SEAL. THE OUTER SEAL WAS LEAKING WATER AROUND THE PUMP SHAFT BUT WAS NOT STEAMING. SHOULD THE PUMP SEAL DETERIORATE FURTHER, THE PUMP WILL HAVE TO BE REMOVED FROM SERVICE AND ISOLATED.
88-03	01/22/88	F	0.0	A	5				POWER WAS REDUCED TO REMOVE #1 REACTOR RECIRC PUMP FROM SERVICE. THE PUMP SEAL HAS DETERIORATED TO THE EXTENT THAT THE UNIDENTIFIED LEAK RATE REQUIRED THE PUMPS REMOVAL FROM SERVICE. THE PLANT WILL BE OPERATED WITH A ONE LOOP OPERATION UNTIL REPAIRS CAN BE MADE.

 * SUMMARY *

 BIG ROCK POINT INCURRED 1 FORCED OUTAGE AND 2 POWER REDUCTIONS IN JANUARY AS DISCUSSED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equ., failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 JAN 1988

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
CONSTRUCTGR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....S. GUTHRIE
LICENSING PROJ MANAGER....W. SCOTT
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 NOVEMBER 30 THROUGH DECEMBER 4, 1987 (REPORT NO. 50-155/87028(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE BIG ROCK POINT POWER STATION'S EMERGENCY PREPAREDNESS PROGRAM: ACTION ON PREVIOUSLY-IDENTIFIED ITEMS EMERGENCY PLAN ACTIVATIONS; LER REVIEW; OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM; DOSE ASSESSMENT; NOTIFICATIONS AND COMMUNICATIONS; SHIFT STAFFING AND AUGMENTATION; EMERGENCY PREPAREDNESS (TRAINING); LICENSEE AUDITS; AND MAINTAINING EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR PART 50, APPENDIX B, CRITERION XVI STATES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, AS OF SEPTEMBER 1987, THE LICENSEE HAD FAILED TO CORRECT THE ADMINISTRATIVE WEAKNESSES IDENTIFIED DURING A MARCH 1987 QA SURVEILLANCE OF THE INSERVICE TESTING PROGRAM. FURTHER, THE LICENSEE FAILED TO FOLLOWUP ON THE IDENTIFIED WEAKNESSES, SUCH THAT VIOLATIONS OF 10 CFR 50.55(A)(G) WERE NOT IDENTIFIED.
(8702 4)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: 02/05/88

INSPECTION REPORT NO: 88004

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

=====

1. Docket: 50-456 O P E R A T I N G S T A T U S
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: B. M. PEACOCK (815) 458-2801 EXT. 2480
 4. Licensed Thermal Power (Mwt): 3411
 5. Nameplate Rating (Gross MWe): _____
 6. Design Electrical Rating (Net MWe): 1120
 7. Maximum Dependable Capacity (Gross MWe): 1175
 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>744.0</u>	<u>744.0</u>	<u>4,897.0</u>
13. Hours Reactor Critical	<u>14.5</u>	<u>14.5</u>	<u>3,074.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>14.5</u>	<u>14.5</u>	<u>2,625.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>47,283</u>	<u>47,283</u>	<u>5,062,955</u>
18. Gross Elec Ener (MWH)	<u>17,056</u>	<u>17,056</u>	<u>1,621,660</u>
19. Net Elec Ener (MWH)	<u>16,111</u>	<u>16,111</u>	<u>1,472,762</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>.0</u>	<u>.0</u>	<u>872.2</u>

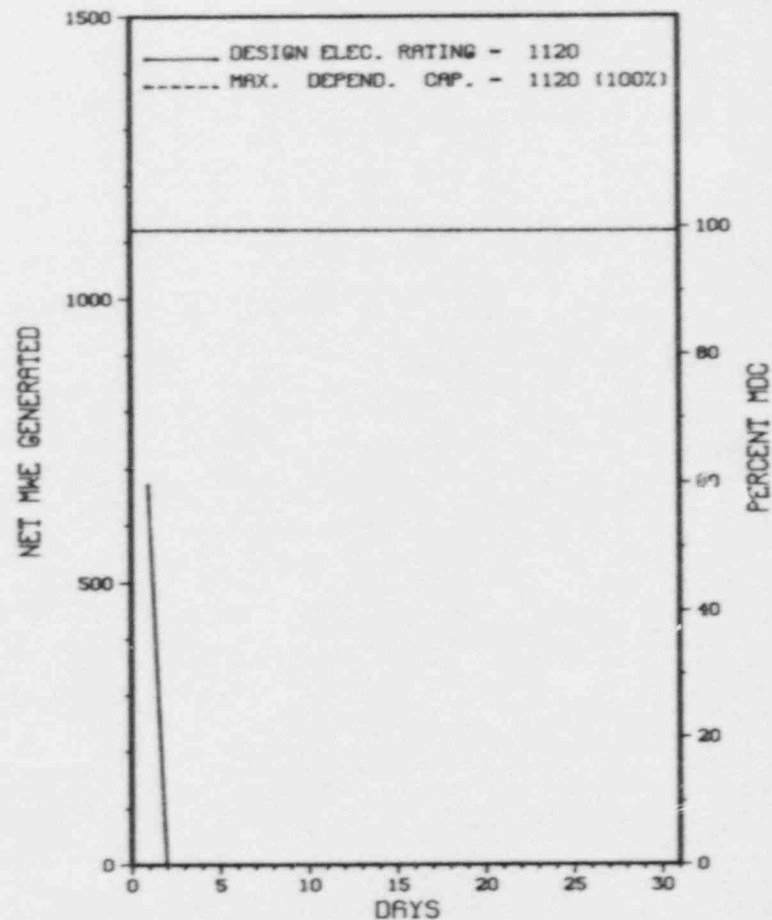
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 02/16/88

 * BRAIDWOOD 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BRAIDWOOD 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* BRAIDWOOD 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
01	01/01/88	S	729.5	B	2			SCHEDULED SURVEILLANCE OUTAGE.

* SUMMARY *

BRAIDWOOD 1 WAS MANUALLY TRIPPED IN ACCORDANCE WITH START-UP TEST BWSO NR-39 AND REMAINED SHUTDOWN THROUGH THE END OF JANUARY DUE TO SCHEDULED SURVEILLANCE 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)

* BRAIDWOOD 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....WILL
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI SSW OF
JOLIET, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 29, 1987
DATE ELEC ENER 1ST GENER...JULY 12, 1987
DATE COMMERCIAL OPERATE. .*****
CONDENSER COOLING METHOD...CC ART
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...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....L. MCGREGOR
LICENSING PROJ MANAGER.....S. SANDS
DOCKET NUMBER.....50-456
LICENSE & DATE ISSUANCE...NPF-72, JULY 2, 1987
PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
GOVERNMENT DOCUMENTS COLLECTION
WILMINGTON PUBLIC LIBRARY
201 SOUTH KANKAKEE STREET
WILMINGTON, ILLINOIS, 60481

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 29, OCTOBER 1, 29-30, NOVEMBER 5, 16, 18-19, 24-25, DECEMBER 1, 7, AND 10, 1987 (REPORTS NO. 50Z-456/87039(DRS); 50Z-457/87037(DRS)): UNANNOUNCED SAFETY INSPECTION OF THE RESOLUTION OF PREVIOUS INSPECTION FINDINGS (92701 AND 92702); FOLLOWUP ON 50.55(E) DEFICIENCY REPORTS (99020); FOLLOWUP ON PART 21 REPORTS (92716); WALKDOWN OF HVAC SYSTEMS (50100); WALKDOWN OF PIPING SYSTEMS (37301); FOLLOWUP OF LICENSEE'S ACTIONS IN RESPONSE TO I.E. BULLETIN 83-05 (92703); INSPECTION OF ELECTRICAL SWITCHGEAR BREAKERS (92704). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FROM OCTOBER 25 THROUGH DECEMBER 1, 1987 (REPORT NOS. 50-456/87042(DRP); 50-457/87041(DRP)): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS; AN EVENT INVOLVING THE MANIPULATION OF REACTOR CONTROLS BY AN UNAUTHORIZED INDIVIDUAL; UNIT 2 FUEL LOAD PREPARATION; UNIT 2 FUEL RECEIPT, INSPECTION, AND STORAGE; UNIT 1 STARTUP TEST OBSERVATION; OPERATIONAL SAFETY VERIFICATION; RADIOLOGICAL PROTECTION; ENGINEERED SAFETY FEATURE (ESF) SYSTEM; PHYSICAL SECURITY; MONTHLY MAINTENANCE OBSERVATION; AND MODIFICATION INSTALLATIONS; MONTHLY SURVEILLANCE OBSERVATION; UNIT 2 PLANT TOUR; OPERATIONAL STAFFING INSPECTION; TRAINING EFFECTIVENESS; REPORT REVIEW; AND MEETINGS AND OTHER ACTIVITIES. OF THE 16 AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN 15. IN THE REMAINING AREA, ONE VIOLATION WAS IDENTIFIED REGARDING THE MANIPULATION OF REACTOR CONTROLS BY AN UNAUTHORIZED INDIVIDUAL (PARAGRAPH 3).

INSPECTION ON NOVEMBER 17 AND DECEMBER 1-4, 1987 (REPORT NO. 50-456/87043(DRSS); AND NO. 50-457/87042(DRSS)): SPECIAL, ANNOUNCED APPRAISAL OF THE FOLLOWING AREAS OF THE STATION'S EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED

INSPECTION SUMMARY

ITEMS; EMERGENCY PLAN ACTIVATIONS; TRAINING PROGRAM; FACILITIES, EQUIPMENT, AND SUPPLIES; OFFSITE DOSE CALCULATION AND ASSESSMENT; SHIFT STAFFING AND AUGMENTATION; AND CORRECTIVE ACTION TRACKING MECHANISMS. NO VIOLATIONS WERE IDENTIFIED DURING THIS INSPECTION. THERE ARE NO OUTSTANDING CONCERNS WHICH WOULD ADVERSELY IMPACT A COMMISSION DECISION REGARDING LOW POWER LICENSING OF UNIT 2.

INSPECTION ON DECEMBER 7, 16, AND 17, 1987, AND A TELEPHONE DISCUSSION ON DECEMBER 21, 1987 (REPORT NOS. 50-456/87046(DRSS); 50-457/87047(DRSS)): ROUTINE, ANNOUNCED INSPECTION OF: (1) THE CHEMISTRY PROGRAM, INCLUDING PROCEDURES, ORGANIZATION, AND TRAINING; (2) PRIMARY AND SECONDARY SYSTEMS WATER QUALITY CONTROL PROGRAMS; AND (3) PROGRESS IN THE DEVELOPMENT OF QUALITY ASSURANCE/QUALITY CONTROL PROGRAM IN THE LABORATORY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FROM SEPTEMBER 21 THROUGH DECEMBER 4, 1987 (REPORT NO. 50-457/87030(DRS)): ROUTINE SAFETY INSPECTION OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS (IEB 79-14); OF SAFETY-RELATED PIPE SUPPORT AND RESTRAINT SYSTEMS (50090); OF REACTOR COOLANT PRESSURE BOUNDARY PIPING (49056); OF SAFETY-RELATED PIPING PERTAINING TO WELDER QUALIFICATION (55187); OF TESTING OF PIPE SUPPORT AND RESTRAINT SYSTEMS (70370); OF ON-SITE DESIGN ACTIVITIES (37055); OF CONTAINMENT MECHANICAL PENETRATIONS (53055); OF STRUCTURAL INTEGRITY TEST (63050); OF TRAINING AND QUALIFICATION (41400); SER REVIEW IN CONJUNCTION WITH PIPING VIBRATION TEST PROGRAM (92719); AND LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS (92701 AND 92702). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BRAIDWOOD 1 OPERATING IN THE STARTUP TEST PROGRAM UP TO 100% RATED POWER

LAST IE SITE INSPECTION DATE: 03/26/88

INSPECTION REPORT NO: 88008

Report Period JAN 1988

REPORTS FROM LICENSEE

* BRAIDWOOD 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-17	121887	010788	TWO INOPERABLE NON-ACCESSIBLE VA FILTER PLENUM DUE TO MIS ALIGNMENT
87-61	122487	011188	INCOMPLETE POWER OPERATED RELIEF VALVE SURVEILLANCE DUE TO AN OVERLY RESTRICTIVE PROCEDURAL REQUIREMENT
88-01	010888	020288	TRAIN A CONTROL ROOM RADIATION MONITORING INOPERABLE DUE TO NOISY PRESSURE SWITCHES
88-03	011388	012988	LOSS OF PULSES TO FUEL HANDLING INCIDENT MONITOR ORT-AR056 FOR UNKNOWN REASONS

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1. Docket: 50-259 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. D. CRAWFORD (205) 729-2507

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

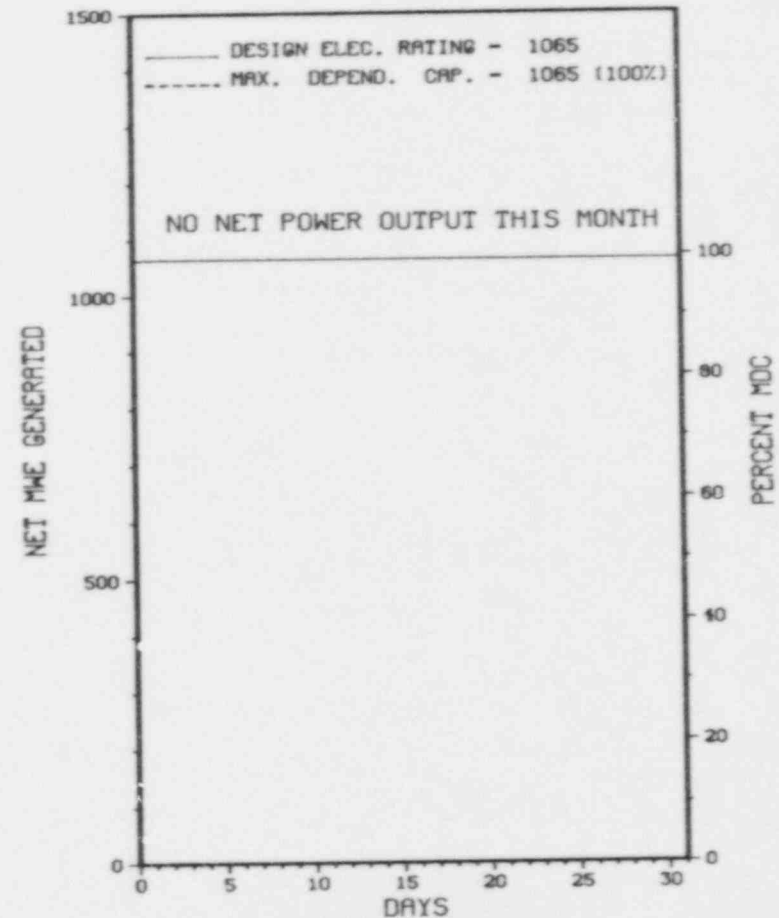
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>118,370.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>59,520.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>58,276.4</u>
16. Unit Reserve Shtdwn Hrs	<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>-828</u>	<u>-828</u>	<u>53,667,089</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>49.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>49.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>42.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>42.6</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>41.6</u>
25. Forced Outage Hours	<u>744.0</u>	<u>744.0</u>	<u>41,442.1</u>

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X BROWNS FERRY 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BROWNS FERRY 1



JANUARY 1988

Report Period JAN 1988

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	F	744.0	F	4				ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

* SUMMARY *

BROWNS FERRY 1 REMAINED ON ADMINISTRATIVE HOLD IN JANUARY IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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

* BROWNS FERRY 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. PAULK
LICENSING PROJ MANAGER.....J. GEARS
DOCKET NUMBER.....50-259
LICENSE & DATE ISSUANCE...DPR-35, DECEMBER 20, 1973
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 26-30 (87-36): THE NRC TEAM (1) REVIEWED THE INFORMATION CONTAINED IN THE DBVP AND A SAMPLE OF ASSOCIATED DOCUMENTATION, AND (2) INTERVIEWED COGNIZANT TVA PERSONNEL TO OBTAIN PERTINENT INFORMATION CONCERNING THE DBVP.
INSPECTION NOVEMBER 2-6 (87-41): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS, CORRECTIVE ACTION PROGRAM AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO TAKE CORRECTIVE ACTION.
INSPECTION NOVEMBER 1-30 (87-42): THIS ROUTINE INSPECTION WAS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, AND PREVIOUS ENFORCEMENT MATTERS, RESTART TEST PROGRAM, AND ENGINEERING CHANGE NOTICES/MODIFICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS REPORT.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, THE REQUIREMENT WAS NOT MET IN THAT BROWNS FERRY STANDARD PRACTICE 14.4, DRILLING, CHIPPING, OR ALTERING CONCRETE OR MASONRY AND EXCAVATION, DATED OCTOBER 16, 1985, CONTAINED AN INADEQUATE METHODOLOGY FOR COMPUTING SECONDARY CONTAINMENT IN-LEAKAGE RESULTING FROM CORE DRILLING OPERATIONS. THE STANDARD PRACTICE INDICATED THAT A 6-INCH DIAMETER HOLE THROUGH THE 4.5 FOOT THICK REACTOR BUILDING WALL COULD BE MODELED AS A SQUARE-EDGED ORIFICE IN AN INFINITE DIAMETER

ENFORCEMENT SUMMARY

PIPE. BASIC ENGINEERING FUNDAMENTALS AS CONTAINED IN THE LICENSEE'S REFERENCE MATERIAL FOR THIS TYPE OF CALCULATION (CRANE TECHNICAL PAPER NO. 410, FLOW OF FLUIDS THROUGH VALVES, FITTINGS AND PIPE) WOULD REQUIRE THIS SITUATION TO BE MODELED AS A 4.5 FOOT LENGTH OF 6-INCH DIAMETER PIPE.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, THE REQUIREMENT WAS NOT MET IN THAT BROWNS FERRY STANDARD PRACTICE 14.4, DRILLING, CHIPPING, OR ALTERING CONCRETE OR MASONRY AND EXCAVATION, DATED OCTOBER 16, 1985, CONTAINED AN INADEQUATE METHODOLOGY FOR COMPUTING SECONDARY CONTAINMENT IN-LEAKAGE RESULTING FROM CORE DRILLING OPERATIONS. THE STANDARD PRACTICE INDICATED THAT A 6-INCH DIAMETER HOLE THROUGH THE 4.5 FOOT THICK REACTOR BUILDING WALL COULD BE MODELED AS A SQUARE-EDGED ORIFICE IN AN INFINITE DIAMETER PIPE. BASIC ENGINEERING FUNDAMENTALS AS CONTAINED IN THE LICENSEE'S REFERENCE MATERIAL FOR THIS TYPE OF CALCULATION (CRANE TECHNICAL PAPER NO. 410, FLOW OF FLUIDS THROUGH VALVES, FITTINGS AND PIPE) WOULD REQUIRE THIS SITUATION TO BE MODELED AS A 4.5 FOOT LENGTH OF 6-INCH DIAMETER PIPE.

(8703 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION WORK.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

TVA APPOINTED MR. JOHN WALKER TO PLANT MANAGER POSITION.

PLANT STATUS:

SHUTDOWN FOR REPAIRS ON 03/19.

LAST IE SITE INSPECTION DATE: NOVEMBER 1-30, 1987 +

INSPECTION REPORT NO: 50-259/87-42 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-260 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. CRAWFORD (205) 729-2507
4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>744.0</u>	<u>113,281.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>54,338.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>153,245,167</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>50,771,798</u>
19. Net Elec Ener (MWH)	<u>-1,986</u>	<u>-1,986</u>	<u>49,181,847</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>48.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>48.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>40.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>40.8</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>40.8</u>
25. Forced Outage Hours	<u>744.0</u>	<u>744.0</u>	<u>37,497.4</u>

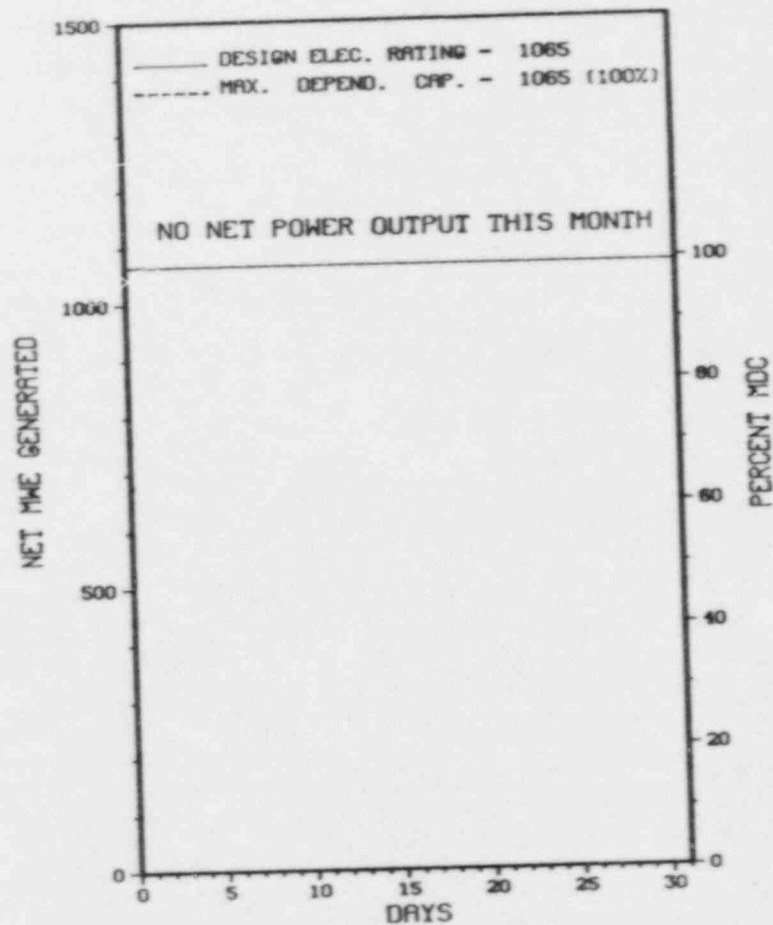
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BROWNS FERRY 2



JANUARY 1988

Report Period JAN 1988

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	F	744.0	F	4			ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

 * SUMMARY *

 BROWNS FERRY 2 REMAINED ON ADMINISTRATIVE HOLD IN JANUARY IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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

* BROWNS FERRY 2 *

FACILITY DATA

Report Period JAN 1988

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.....J. GEARS
DOCKET NUMBER.....50-260
LICENSE & DATE ISSUANCE...DPR-52, AUGUST 2, 1974
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 26-30 (87-36): THE NRC TEAM (1) REVIEWED THE INFORMATION CONTAINED IN THE DBVP AND A SAMPLE OF ASSOCIATED DOCUMENTATION, AND (2) INTERVIEWED COGNIZANT TVA PERSONNEL TO OBTAIN PERTINENT INFORMATION CONCERNING THE DBVP.

INSPECTION NOVEMBER 2-6 (87-41): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS, CORRECTIVE ACTION PROGRAM AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO TAKE CORRECTIVE ACTION.

INSPECTION NOVEMBER 1-30 (87-42): THIS ROUTINE INSPECTION WAS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, AND PREVIOUS ENFORCEMENT MATTERS, RESTART TEST PROGRAM, AND ENGINEERING CHANGE NOTICES/MODIFICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS REPORT.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XIV, THE REQUIREMENT WAS NOT MET ON OCTOBER 13, 1987, WHEN RESIDUAL HEAT REMOVAL (RHR) PUMP SUCTION VALVE 2-74-24 WAS INADVERTENTLY OPERATED BY A REACTOR OPERATOR. MAINTENANCE PERSONNEL HAD RELEASED THE VALVE FROM A CLEARANCE HOLD ORDER FOR MANUAL OPERATION ONLY ON OR ABOUT SEPTEMBER 14, 1987, UNDER THE PROVISION THAT THE VALVE WAS NOT SUITABLE TO HAVE ELECTRICAL POWER RESTORED. FOLLOWING COMPLETION OF THE ACTIVITY WHICH REQUIRED MANUAL OPERATION OF VALVE, THE

ENFORCEMENT SUMMARY

RESTRICTION OVER ELECTRICAL OPERATION WAS NOT MAINTAINED BY TAGGING SWITCHES OR ANY OTHER MECHANISM. AS A RESULT, POWER WAS SUBSEQUENTLY RESTORED TO THE VALVE AND WHEN THE OPERATOR POSITIONED THE CONTROL SWITCH TO CLOSE THE VALVE, IT'S DISC WAS DRIVEN AGAINST ITS SEAT UNTIL ITS ASSOCIATED BREAKER TRIPPED ON OVERLOAD. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XII, AN INSTRUMENT MECHANIC IMPROPERLY ADJUSTED PRESSURE GAUGE E82214 WHICH HAS BEING USED IN A POST-MODIFICATION TEST INSTRUCTION ON INSTRUMENTATION USED BY THE REACTOR PROTECTION SYSTEM AND EMERGENCY CORE COOLING SYSTEM. THE ZERO ADJUST SCREW ON THE PRESSURE GAUGE WAS ERRONEOUSLY ADJUSTED DURING THE PERFORMANCE OF STEP 5.4.12.18 OF PMTP-116, ROSEMOUNT TRIP CALIBRATION SYSTEM ON OCTOBER 6, 1987. THE ONLY AUTHORIZED ADJUSTMENT OF THE GAUGE IS DURING A MULTI-POINT CALIBRATION PROCEDURE TRACEABLE TO THE NATIONAL BUREAU OF STANDARDS.
(8703 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

TVA APPOINTED MR. JOHN WALKER TO PLANT MANAGER POSITION.

PLANT STATUS:

SHUTDOWN ON SEPTEMBER 15, 1984 FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: NOVEMBER 1-30, 1987 +

INSPECTION REPORT NO: 5C-260/87-42 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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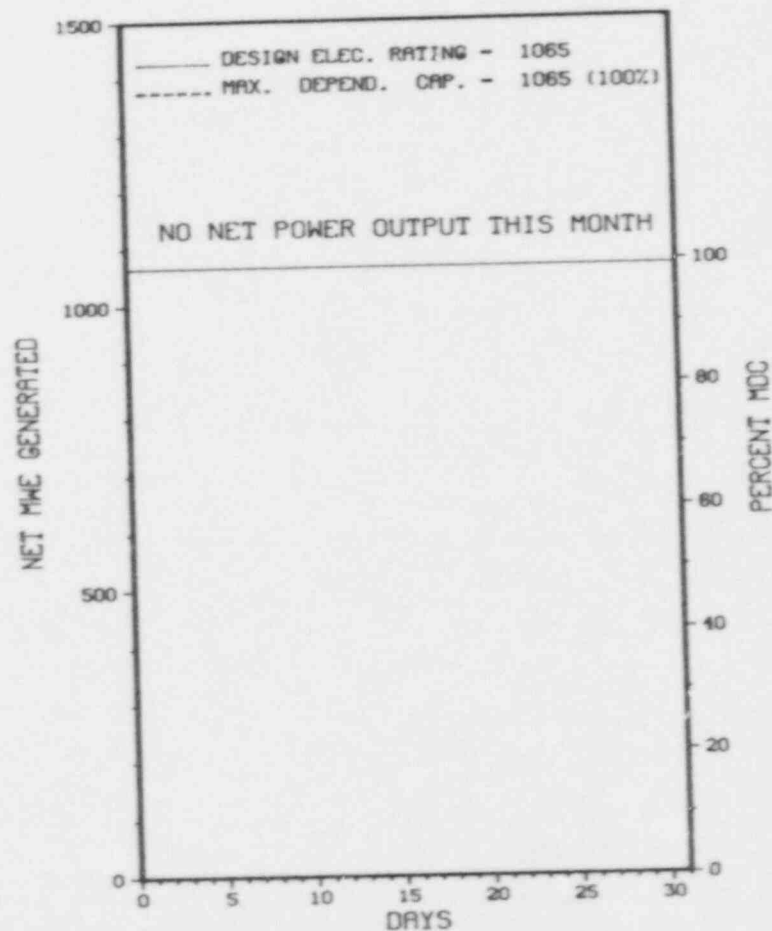
1. Docket: 50-296 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. CRAWFORD (205) 729-2507
4. Licensed Thermal Power (Mwt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1098
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>95,736.0</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>-4,658</u>	<u>-4,658</u>	<u>42,037,410</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>46.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>46.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>41.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>41.2</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>41.6</u>
25. Forced Outage Hours	<u>744.0</u>	<u>744.0</u>	<u>31,481.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

X BROWNS FERRY 3 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
157	03/03/85	F	744.0	F	4			ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

 * SUMMARY *

 BROWNS FERRY 3 REMAINED ON ADMINISTRATIVE HOLD IN JANUARY IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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

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.....J. GEARS
DOCKET NUMBER.....50-296
LICENSE & DATE ISSUANCE...DPR-68, AUGUST 18, 1976
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 26-30 (87-36): THE NRC TEAM (1) REVIEWED THE INFORMATION CONTAINED IN THE DBVP AND A SAMPLE OF ASSOCIATED DOCUMENTATION, AND (2) INTERVIEWED COGNIZANT TVA PERSONNEL TO OBTAIN PERTINENT INFORMATION CONCERNING THE DBVP.

INSPECTION NOVEMBER 2-6 (87-41): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS, CORRECTIVE ACTION PROGRAM AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO TAKE CORRECTIVE ACTION.

INSPECTION NOVEMBER 1-30 (87-42): THIS ROUTINE INSPECTION WAS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, AND PREVIOUS ENFORCEMENT MATTERS, RESTART TEST PROGRAM, AND ENGINEERING CHANGE NOTICES/MODIFICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS REPORT.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, THE REQUIREMENT WAS NOT MET IN THAT BROWNS FERRY STANDARD PRACTICE 14.4, DRILLING, CHIPPING, OR ALTERING CONCRETE OR MASONRY AND EXCAVATION, DATED OCTOBER 16, 1985, CONTAINED AN INADEQUATE METHODOLOGY FOR COMPUTING SECONDARY CONTAINMENT IN-LEAKAGE RESULTING FROM CORE DRILLING OPERATIONS. THE STANDARD PRACTICE INDICATED THAT A 6-INCH DIAMETER HOLE THROUGH THE 4.5 FOOT THICK REACTOR BUILDING WALL COULD BE MODELED AS A SQUARE-EDGED ORIFICE IN AN INFINITE DIAMETER

ENFORCEMENT SUMMARY

PIPE. BASIC ENGINEERING FUNDAMENTALS AS CONTAINED IN THE LICENSEE'S REFERENCE MATERIAL FOR THIS TYPE OF CALCULATION (CRANE TECHNICAL PAPER NO. 410, FLOW OF FLUIDS THROUGH VALVES, FITTINGS AND PIPE) WOULD REQUIRE THIS SITUATION TO BE MODELED AS A 4.5 FOOT LENGTH OF 6-INCH DIAMETER PIPE.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVI, LICENSEE CORRECTIVE ACTIONS FOR ENGINEERING WORK REQUESTS IS NOT BEING ACCOMPLISHED PROMPTLY. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVII, THE LICENSEE HAS FAILED TO DOCUMENT THE RESULTS OF REVIEWS OF ENGINEERING WORK REQUESTS. CONTRARY TO THE FSAR AND USAS B31.1, THE LICENSEE REMOVED RELIEF VALVES FROM THE CORE SPRAY SYSTEM AND BLANKED OFF THE CONNECTIONS. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVIII AND ANSI 45.2.12, LICENSEE CORRECTIVE ACTION AUDITS HAVE LACKED THE REQUIRED DEPTH. CONTRARY TO REQUIREMENTS IMPLEMENTED THRU TECHNICAL SPECIFICATION 4.0.5, THE LICENSEE'S GAUGES FOR PUMP TESTS HAD RANGES THAT EXCEEDED SPECIFIED VALVES.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVI, LICENSEE CORRECTIVE ACTIONS FOR ENGINEERING WORK REQUESTS IS NOT BEING ACCOMPLISHED PROMPTLY. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVII, THE LICENSEE HAS FAILED TO DOCUMENT THE RESULTS OF REVIEWS OF ENGINEERING WORK REQUESTS. CONTRARY TO THE FSAR AND USAS B31.1, THE LICENSEE REMOVED RELIEF VALVES FROM THE CORE SPRAY SYSTEM AND BLANKED OFF THE CONNECTIONS. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVIII AND ANSI 45.2.12, LICENSEE CORRECTIVE ACTION AUDITS HAVE LACKED THE REQUIRED DEPTH. CONTRARY TO REQUIREMENTS IMPLEMENTED THRU TECHNICAL SPECIFICATION 4.0.5, THE LICENSEE'S GAUGES FOR PUMP TESTS HAD RANGES THAT EXCEEDED SPECIFIED VALVES.

(8703 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE EVALUATING CAUSE OF REACTOR VESSEL WATER LEVEL INDICATION PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

TVA APPOINTED MR. JOHN WALKER TO PLANT MANAGER POSITION.

PLANT STATUS:

SHUTDOWN ON MARCH 9, 1985.

LAST IE SITE INSPECTION DATE: NOVEMBER 1-30, 1987 +

INSPECTION REPORT NO: 50-296/87-42 +

Report Period JAN 1988

REPORTS FROM LICENSEE

* BROWNS FERRY 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: FRANCES HARRISON (919) 457-2756

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>744.0</u>	<u>744.0</u>	<u>95,329.0</u>
13. Hours Reactor Critical	<u>562.5</u>	<u>562.5</u>	<u>61,500.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>551.5</u>	<u>551.5</u>	<u>58,412.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,287,050</u>	<u>1,287,050</u>	<u>123,266,586</u>
18. Gross Elec Ener (MWH)	<u>424,985</u>	<u>424,985</u>	<u>40,534,532</u>
19. Net Elec Ener (MWH)	<u>411,048</u>	<u>411,048</u>	<u>38,990,180</u>
20. Unit Service Factor	<u>74.1</u>	<u>74.1</u>	<u>61.3</u>
21. Unit Avail Factor	<u>74.1</u>	<u>74.1</u>	<u>61.3</u>
22. Unit Cap Factor (MDC Net)	<u>69.9</u>	<u>69.9</u>	<u>51.8</u>
23. Unit Cap Factor (DER Net)	<u>67.3</u>	<u>67.3</u>	<u>49.8</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>10,619.7</u>

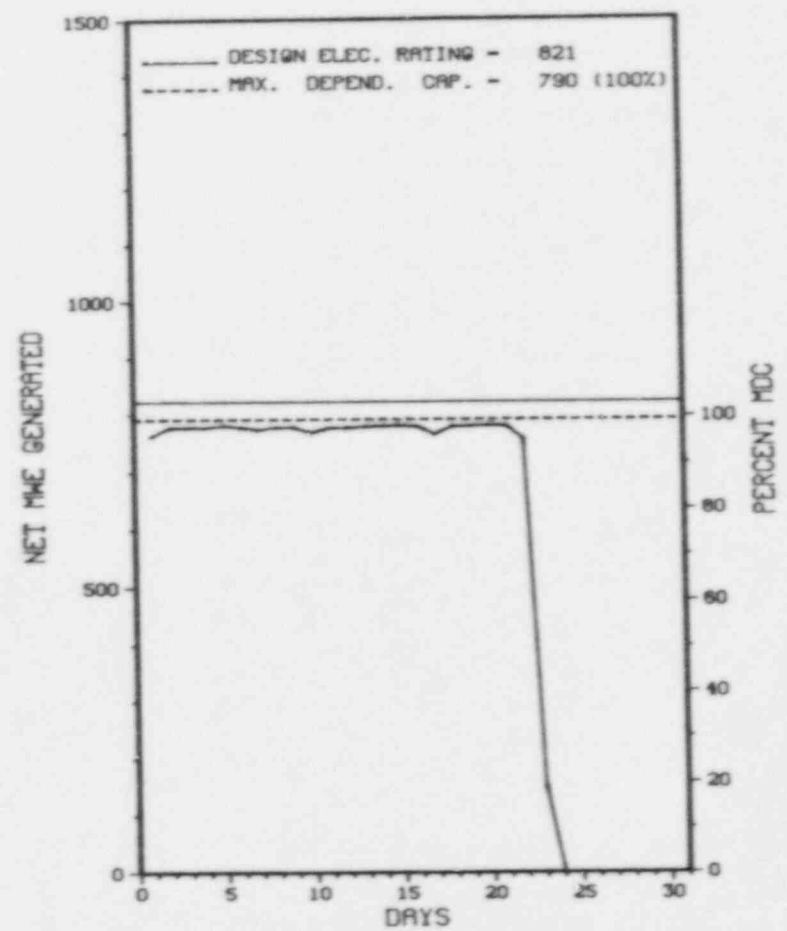
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 02/20/88

 X BRUNSWICK 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BRUNSWICK 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* BRUNSWICK 1 *
XX

<u>Id.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
8 106	01/23/88	S	192.5	B	1				MAINTENANCE OUTAGE

* SUMMARY *

BRUNSWICK 1 OPERATED AT A 69.9% CAPACITY IN JANUARY, SHUTDOWN ON 1/23/88 FOR A FOUR WEEK SCHEDULED MAINTENANCE OUTAGE.

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

* BRUNSWICK 1 *

FACILITY DATA

Report Period JAN 1988

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.....RANDALL LIBRARY
UNIV OF N.C. AT WILMINGTON
601 S. COLLEGE ROAD
WILMINGTON, N. C. 28403

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

OTHER ITEMS

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MAINTENANCE OUTAGE RESTART PLANNED FOR FEBRUARY 19, 1988 +

LAST IE SITE INSPECTION DATE: NOVEMBER 16-18, 1987 +

INSPECTION REPORT NO: 50-325/87-40 +

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
87-022	12/12/87	01/11/88	AUTO ISOLATIONS OF UNITS 1 AND 2 COMMON CONTROL BUILDING HEAT VENTILATING, AC AND EMERG AIR FILTRATION SYSTEM DUE TO CHLOR LOSS
87-023	12/31/87	01/29/88	INOPERABILITY OF HPCI SYSTEM DUE TO FAILURE OF HPCI TURBINE STEAM INLET ISOLATION VALVE E41-F001

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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: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: FRANCES HARRISON (919) 457-2756

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

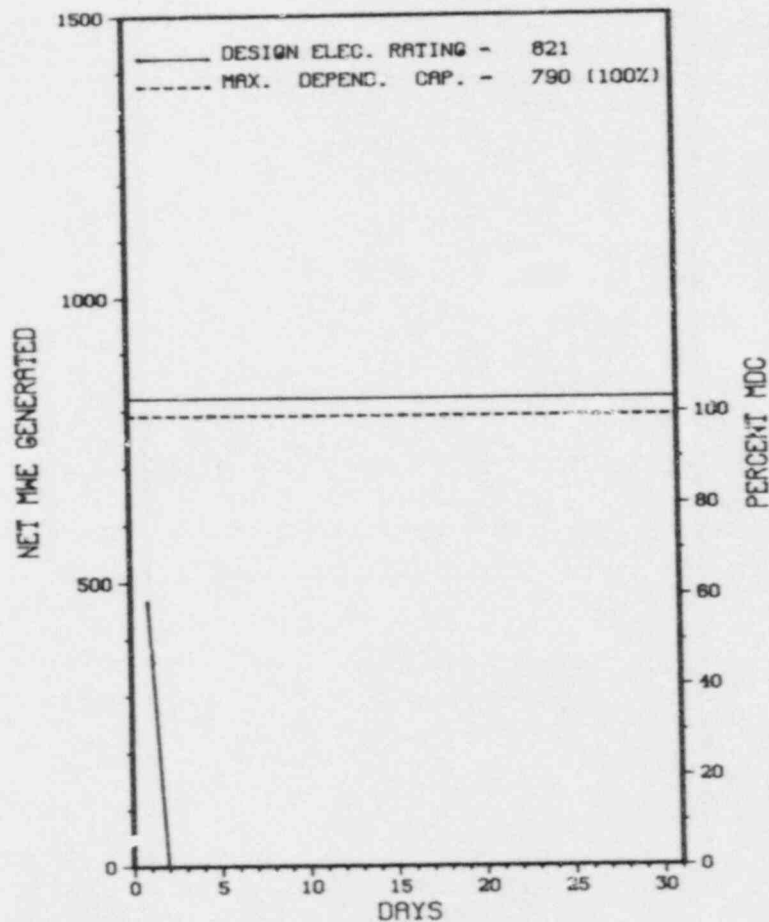
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>107,353.0</u>
13. Hours Reactor Critical	<u>24.3</u>	<u>24.3</u>	<u>67,097.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>24.3</u>	<u>24.3</u>	<u>63,270.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>37,715</u>	<u>37,715</u>	<u>126,625,194</u>
18. Gross Elec Ener (MWH)	<u>11,910</u>	<u>11,910</u>	<u>41,753,442</u>
19. Net Elec Ener (MWH)	<u>6,114</u>	<u>6,114</u>	<u>40,048,943</u>
20. Unit Service Factor	<u>3.3</u>	<u>3.3</u>	<u>58.9</u>
21. Unit Avail Factor	<u>3.3</u>	<u>3.3</u>	<u>58.9</u>
22. Unit Cap Factor (MDC Net)	<u>1.0</u>	<u>1.0</u>	<u>47.2</u>
23. Unit Cap Factor (DER Net)	<u>1.0</u>	<u>1.0</u>	<u>45.4</u>
24. Unit Forced Outage Rate	<u>.4</u>	<u>.4</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.1</u>	<u>.1</u>	<u>11,459.9</u>

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

27. If Currently Shutdown Estimated Startup Date: 04/01/88

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88002	01/02/88	F	0.1	A	2				REACTOR SCRAM DUE TO CONDENSER LOW VACUUM.
88003	01/02/88	S	719.6	C	9		RC	FUELXX	FOLLOWING SCRAM, WENT IMMEDIATELY INTO SCHEDULED REFUELING/MAINTENANCE OUTAGE.

 * SUMMARY *

 BRUNSWICK 2 INCURRED ONE FORCED OUTAGE AND SUBSEQUENTLY, SHUTDOWN ON 1/2/88 FOR SCHEDULED REFUELING/MAINTENANCE OUTAGE.

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

* BRUNSWICK 2 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....BRUNSWICK
DIS: AND DIRECTION FROM
NEAREST POPULATION CTR...3 MI N OF
SOUTHPORT, NC
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 20, 1975
DATE FLEC 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
IC DOCUMENT ROOM.....RANDALL LIBRARY
UNIV OF N.C. AT WILMINGTON
601 S. COLLEGE ROAD
WILMINGTON, N. C. 28403

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICAT. IN 6.8.1.A, WRITTEN PROCEDURES TO ADJUST INSTRUMENTS TO MAINTAIN ACCURACY WERE NOT IMPLEMENTED IN THAT JET PUMP DIFFERENTIAL PRESSURE INDICATION WAS ADJUSTED WITH A 0% INPUT SIGNAL INSTEAD OF THE 50% INPUT SIGNAL AS SPECIFIED BY MI-03-2B1-6.
(8704 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE RESTART IN APRIL, 1988. +

LAST IE SITE INSPECTION DATE: NOVEMBER 16-18, 1987 +

INSPECTION REPORT NO: 50-324/87-41 +

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
87-010	11/04/87	12/04/87	INOPERABILITY OF REACTOR BUILDING FIRE HOSE STATION 2-RB-23 RESULTING FROM PERSONNEL ERROR DURING AND FOLLOWING FIRE DRILL
87-011	11/05/87	12/04/87	DIVISION I PRIMARY CONTAINMENT GROUP 5 ISOLATION OF RCIC SYSTEM DUE TO SPURIOUS ACTUATION OF RICI STEAM LEAK DETECTION INST
88-002	01/04/88	02/01/88	FAILURE OF DRYWELL HEAD OUTER SEAL REVEALED THROUGH LOCAL LEAK RATE TESTING

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1. Docket: 50-454 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: D. J. SPITZER (815) 234-5441 X2023

4. Licensed Thermal Power (MWh): 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): 1120

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

10. Power Level To Which Restricted, If Any (Net MWe): 1097

11. Reasons for Restrictions, If Any:

STEAM GENERATOR SPLIT FLOW

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>20,833.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>16,056.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>37.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>15,705.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,110,908</u>	<u>2,110,908</u>	<u>45,706,759</u>
18. Gross Elec Ener (MWH)	<u>690,484</u>	<u>690,484</u>	<u>15,316,261</u>
19. Net Elec Ener (MWH)	<u>650,372</u>	<u>650,372</u>	<u>14,389,849</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>75.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>75.4</u>
22. Unit Cap Factor (MDC Net)	<u>78.0</u>	<u>78.0</u>	<u>61.7</u>
23. Unit Cap Factor (DER Net)	<u>78.0</u>	<u>78.0</u>	<u>61.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>912.1</u>

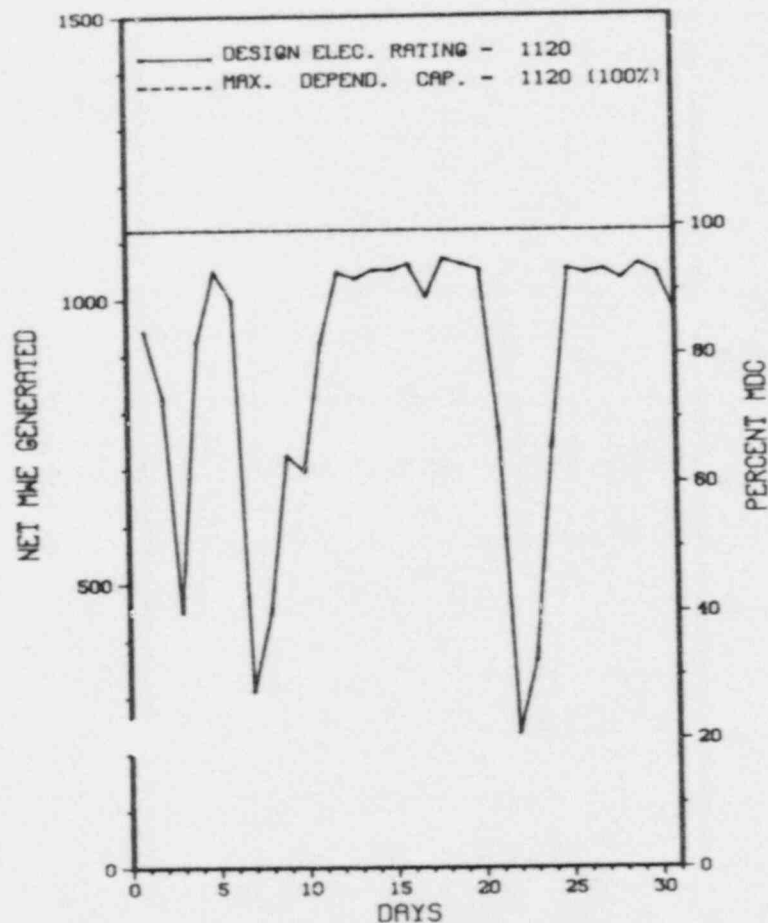
26. Shutdowns Scheduled Over Next 6 Months (Type, Date, Duration):

NONE

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

 * BYRON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BYRON 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* BYRON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/03/88	S	0.0	A	5			CHECK FOR LEAKAGE TO PRT (CONTAINMENT ENTRY)
2	01/06/88	S	0.0	A	5			CONTAINMENT ENTRY TO REPAIR IRC8085
3	01/21/88	F	0.0	A	5			CW M/U VACUUM VALVE STUCK OPEN

* SUMMARY *

BYRON 1 INCURRED 3 POWER REDUCTIONS IN JANUARY FOR REASONS STATED 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)

* BYRON 1 *

FACILITY DATA

Report Period JAN 1988

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
INTE'POOL 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 NOVEMBER 18-20, 23, AND 24, 1987 (REPORTS NO. 50-454/87042(DRSS); NO. 50-455/87039(DRSS)): ROUTINE, ANNOUNCED INSPECTION OF: (1) QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS FOR IN-PLANT RADIOCHEMICAL ANALYSES; (2) ORGANIZATION AND MANAGEMENT CONTROL; (3) TRAINING AND QUALIFICATIONS; (4) RADIOLOGICAL ENVIRONMENTAL MONITORING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON DECEMBER 8-11, 1987 (REPORTS NO. 50-454/87044(DRSS); NO. 50-455/87042(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION ACTIVITIES DURING A SURVEILLANCE OUTAGE INCLUDING: ORGANIZATION AND MANAGEMENT CONTROL; TRAINING AND QUALIFICATIONS, INTERNAL AND EXTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS; ALARA ACTIVITIES; AND LICENSEE ACTION ON A PREVIOUS INSPECTION TEAM. IN ADDITION, THE INSPECTORS PERFORMED INDEPENDENT DIRECT RADIATION AND CONTAMINATION SURVEYS AND ACCOMPANIED AN AUXILIARY OPERATOR ON HIS ROUNDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT 1 OPERATED AT POWER UP TO 98% ON LINE THE ENTIRE MONTH

LAST IE SITE INSPECTION DATE: 03/31/88

INSPECTION REPORT NO: 88006

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
87-25	122887	012988	CONTROL ROOM VENTILATION RADIATION MONITOR INOPERABLE DUE TO IMPROPER CALIBRATION RESULTING FROM A PERSONNEL ERROR

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1. Docket: 50-455 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: D. J. SPITZER (815)234-5441 X2023

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): 1120

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

10. Power Level To Which Restricted, If Any (Net MWe): 1055

11. Reasons for Restrictions, If Any: _____

STEAM GENERATOR SPLIT FLOW.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>3,937.0</u>
13. Hours Reactor Critical	<u>74.0</u>	<u>744.0</u>	<u>3,071.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>3,024.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,803,457</u>	<u>1,803,457</u>	<u>8,275,620</u>
18. Gross Elec Ener (MWH)	<u>605,218</u>	<u>605,218</u>	<u>2,709,529</u>
19. Net Elec Ener (MWH)	<u>566,707</u>	<u>566,707</u>	<u>2,537,608</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>68.0</u>	<u>68.0</u>	<u>57.5</u>
23. Unit Cap Factor (DER Net)	<u>68.0</u>	<u>68.0</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>288.0</u>

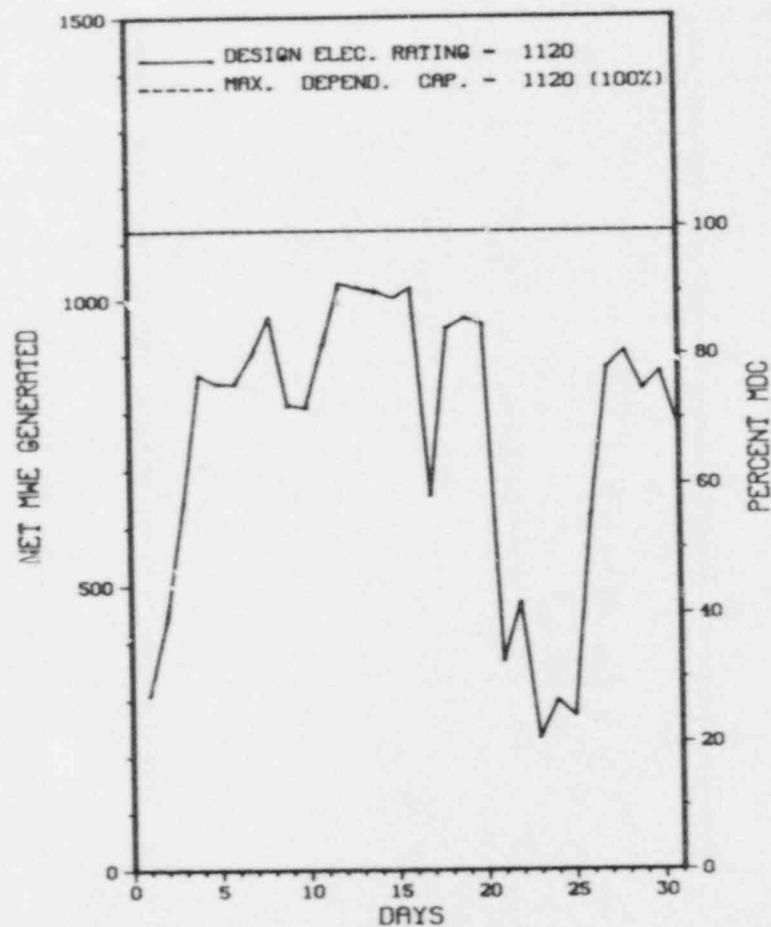
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * BYRON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BYRON 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* BYRON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/16/88	S	0.0	F	5			DECREASED LOAD PER THE LOAD DISPATCHER
2	01/20/88	S	0.0	H	5			CONTAINMENT ENTRY

* SUMMARY *

BYRON 2 INCURRED 2 POWER REDUCTIONS IN JANUARY 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)

* BYRON 2 *

FACILITY DATA

Report Period JAN 1988

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...JANUARY 9, 1987
DATE ELEC ENER 1ST GENER...FEBRUARY 6, 1987
DATE COMMERCIAL OPERATE...AUGUST 21, 1987

CONDENSER COOLING METHOD...CCHNDCT
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.....50-455

LICENSE & DATE ISSUANCE...NPF-66, JANUARY 30, 1987

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 NOVEMBER 18-20, 23, AND 24, 1987 (REPORTS NO. 50-454/87042(DRSS); NO. 50-455/87039(DRSS)): ROUTINE, ANNOUNCED INSPECTION OF: (1) QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS FOR IN-PLANT RADIOCHEMICAL ANALYSES; (2) ORGANIZATION AND MANAGEMENT CONTROL; (3) TRAINING AND QUALIFICATIONS; (4) RADIOLOGICAL ENVIRONMENTAL MONITORING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON DECEMBER 8-11, 1987 (REPORTS NO. 50-454/87044(DRSS); NO. 50-455/87042(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION ACTIVITIES DURING A SURVEILLANCE OUTAGE INCLUDING: ORGANIZATION AND MANAGEMENT CONTROL; TRAINING AND QUALIFICATIONS, INTERNAL AND EXTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS; ALARA ACTIVITIES; AND LICENSEE ACTION ON A PREVIOUS INSPECTION TEAM. IN ADDITION, THE INSPECTORS PERFORMED INDEPENDENT DIRECT RADIATION AND CONTAMINATION SURVEYS AND ACCOMPANIED AN AUXILIARY OPERATOR ON HIS ROUNDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BYRON 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

U-2 SHUTDOWN UNTIL SEPTEMBER 4, FOR FORCED OUTAGE. ONLINE FOR REST OF MONTH U-2 PLACED IN COMMERCIAL SERVICE EFFECTIVE 8/21/87.

LAST IE SITE INSPECTION DATE: 03/31/88

INSPECTION REPORT NO: 88006

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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1. Docket: 50-483 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: MARY DALY (314) 676-8460

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1375 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:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

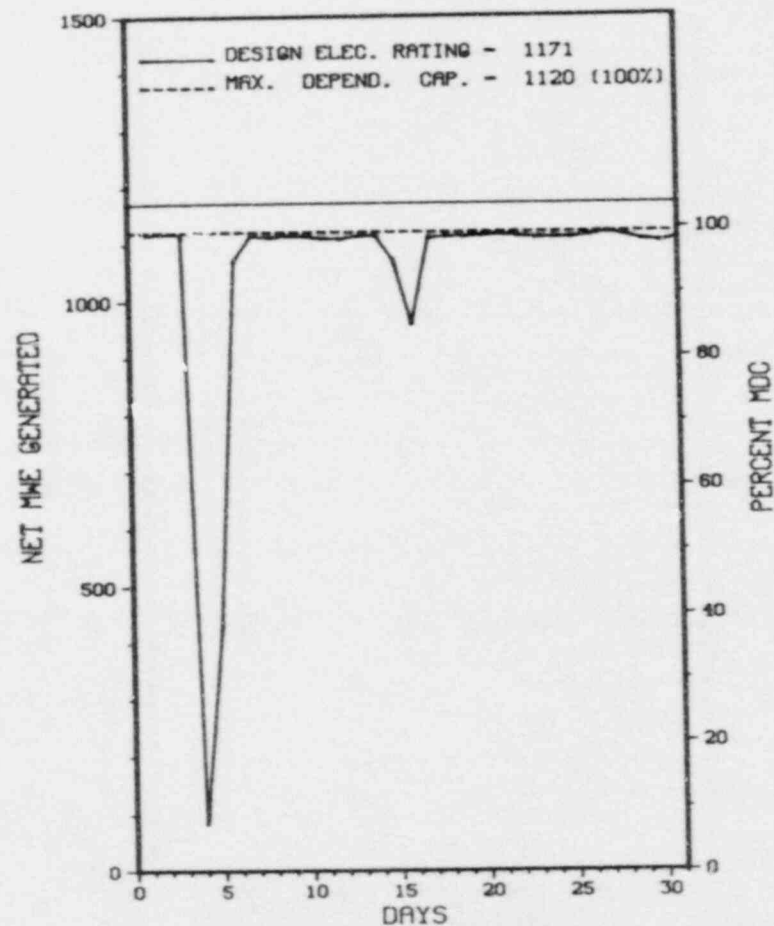
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>27,326.5</u>
13. Hours Reactor Critical	<u>733.2</u>	<u>733.2</u>	<u>22,731.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>720.0</u>	<u>22,175.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,400,761</u>	<u>2,400,761</u>	<u>70,690,541</u>
18. Gross Elec Ener (MWH)	<u>818,927</u>	<u>818,927</u>	<u>23,860,647</u>
19. Net Elec Ener (MWH)	<u>780,469</u>	<u>780,469</u>	<u>22,670,145</u>
20. Unit Service Factor	<u>96.8</u>	<u>96.8</u>	<u>81.2</u>
21. Unit Avail Factor	<u>96.8</u>	<u>96.8</u>	<u>81.2</u>
22. Unit Cap Factor (MDC Net)	<u>93.7</u>	<u>93.7</u>	<u>74.1</u>
23. Unit Cap Factor (DER Net)	<u>89.6</u>	<u>89.6</u>	<u>70.8</u>
24. Unit Forced Outage Rate	<u>3.2</u>	<u>3.2</u>	<u>4.0</u>
25. Forced Outage Hours	<u>24.0</u>	<u>24.0</u>	<u>927.5</u>

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

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

* CALLAWAY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALLAWAY 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/04/88	F	24.0	H	3	88-001-00		REACTOR TRIP ON LO-LO S/G LEVEL DUE TO I&C TROUBLE SHOOTING OF RED LIGHT ON ESF STATUS PANEL FOR A MAIN FEEDWATER ISOLATION VALVE. LER 88-001-00.
2	01/15/88	S	0.0	H				REDUCE POWER TO 75% TO REMOVE GROUND ON CONTROL CIRCUITRY OF 'A' MAIN FEEDWATER PUMP.

 * SUMMARY *

 CALLAWAY 1 INCURRED 1 FORCED OUTAGE AND 1 POWER REDUCTION IN JANUARY AS DESCRIBED ABOVE.

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

* CALLAWAY 1 *

FACILITY DATA

Report Period JAN 1988

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.....WASHINGTON UNIVERSITY
JOHN M. OLIN LIBRARY
SKIMKER & LINDELL BLVD.
ST. LOUIS, MO. 63130

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 21-24, OCTOBER 5-8, 13-16, AND NOVEMBER 30 THROUGH DECEMBER 3, 1987 (REPORT NO. 50-483/87029(DRS)): ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) WORK ACTIVITIES, TRAINING AND QUALIFICATION EFFECTIVENESS, AND FACILITY MODIFICATIONS (73501, 73057, 73753, 73755, 41400, 37701, 55700, 57700). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FROM OCTOBER 4 THROUGH DECEMBER 4, 1987 (REPORT NO. 50-483/87032(DRP)) A ROUTINE, UNANNOUNCED SAFETY INSPECTION OF LICENSEE EVENT REPORTS (LERS); PLANT OPERATIONS; ENGINEERED SAFETY FEATURE (ESF) SYSTEMS; RADIOLOGICAL CONTROLS; MAINTENANCE; SURVEILLANCE; FIRE PROTECTION; EMERGENCY PREPAREDNESS; SECURITY; QUALITY PROGRAMS; OUTAGES; REGIONAL REQUESTS; IE BULLETIN FOLLOWUP; AND TRAINING. OF THE 14 AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN 13 AREAS. TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO MEET THE REQUIRED RESPONSE TIME FOR A SAFETY INJECTION SIGNAL - PARAGRAPH 2.B(1); FAILURE TO PERFORM REQUIRED STROKE TESTING OF VALVES EF-HV-0087 AND 0088 - PARAGRAPH 2.B(2)). HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.A., NOTICES OF VIOLATION WERE NOT ISSUED. THE TWO VIOLATIONS WERE OF MINOR SAFETY SIGNIFICANCE.

INSPECTION ON NOVEMBER 10, 1987 (REPORT NO. 50-483/87035(DRP)): AN ENFORCEMENT CONFERENCE CONDUCTED TO DISCUSS A CONDITION IN WHICH A MISPOSITIONED FLOW BALANCING DAMPER AFFECTED THE PERFORMANCE OF ONE TRAIN OF THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM (CREVS). TWO VIOLATIONS (FAILURE TO PERFORM AN ADEQUATE PREOPERATIONAL TEST AND FAILURE TO PROMPTLY CORRECT, DOCUMENT, AND REPORT A CONDITION ADVERSE TO QUALITY) AS REPORTED IN INSPECTION REPORT NO. 50/87033(DRP).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT OPERATED IN "COAST DOWN" DURING SEPTEMBER 1-10, 1987, WITH POWER LEVEL DECREASING FROM APPROXIMATELY 98% TO 80%. PLANT SHUTDOWN AND COOLDOWN COMMENCED ON SEPTEMBER 10. THE PLANT ENTERED MODE 6 ON SEPTEMBER 22, IN PREPARATION FOR REFUELING (CYCLE 2 RELOAD). THE OUTAGE IS SCHEDULED FOR COMPLETION ON NOVEMBER 13, 1987. OPERATIONS PERSONNEL PERFORMED THE PLANT SHUTDOWN AND COOLDOWN (MODE CHANGES) WITHOUT INCIDENT. DEFUELING IS IN PROGRESS. THE DEFUELING OPERATION WAS INTERRUPTED FOR APPROXIMATELY FIVE DAYS AS THE RESULT OF FUEL TRANSFER SYSTEM PROBLEMS (MISALIGNMENT OF TRACK IN CANAL). THE REPAIRS WERE COMPLETED AND THE SYSTEM SATISFACTORILY TESTED ON SEPTEMBER 30.

LAST IE SITE INSPECTION DATE: 02/26/88

INSPECTION REPORT NO: 88005

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-01	010488	020388	REACTOR TRIP ON LOW STEAM GENERATOR LEVEL OSCILLATIONS DURING TROUBLESHOOTING OF A FAULTY AMBER LIGHT CONDITION FOR MAIN FEEDWATER ISOLATION VALVE
88-02	010788	020888	TWO RHR TRAINS RENDERED INOPERABLE WHEN OPERATOR INADVERTENTLY CLOSED CROSS-CONNECT VALVE DURING SYSTEM VENTING EVOLUTION

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C. BEHNKE (301) 260-4871

4. Licensed Thermal Power (Mwt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: _____
NONE

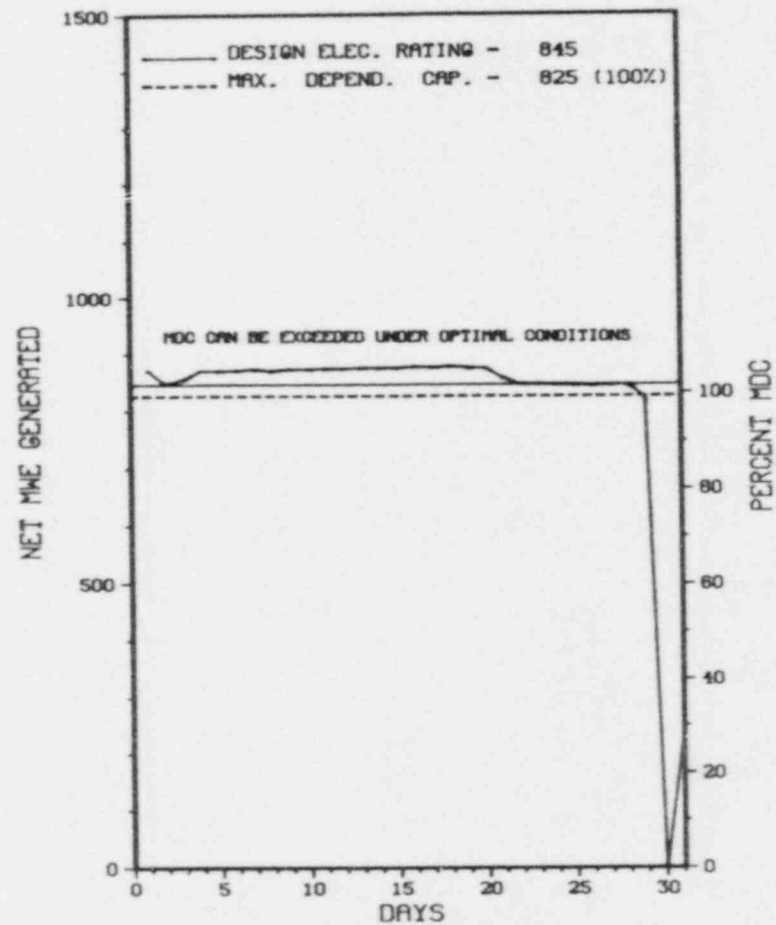
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>111,637.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>87,131.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,299.2</u>
15. Hrs Generator On-Line	<u>718.4</u>	<u>718.4</u>	<u>85,171.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,876,265</u>	<u>1,876,265</u>	<u>213,950,983</u>
18. Gross Elec Ener (MWH)	<u>632,079</u>	<u>632,079</u>	<u>70,847,680</u>
19. Net Elec Ener (MWH)	<u>605,596</u>	<u>605,596</u>	<u>67,621,113</u>
20. Unit Service Factor	<u>96.6</u>	<u>96.6</u>	<u>76.3</u>
21. Unit Avail Factor	<u>96.6</u>	<u>96.6</u>	<u>76.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>98.7</u>	<u>73.5*</u>
23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>96.3</u>	<u>71.7</u>
24. Unit Forced Outage Rate	<u>3.4</u>	<u>3.4</u>	<u>9.3</u>
25. Forced Outage Hours	<u>25.6</u>	<u>25.6</u>	<u>8,607.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - APRIL 8, 1988 - DURATION 48 DAYS.

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

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/30/88	F	25.6	B	1		HJ	PIPEXX	REMOVED FROM GRID TO EFFECT REPAIR OF LEAK ON HIGH PRESSURE TURBINE EXTRACTION PIPING.

* SUMMARY *

CALVERT CLIFFS 1 INCURRED 1 POWER OUTAGE IN JANUARY TO REPAIR LEAK ON PIPING.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-9161)

* CALVERT CLIFFS 1 *

FACILITY DATA

Report Period JAN 1988

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...DECEMBER 30, 1974

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.....S. MCNEIL
DOCKET NUMBER.....50-317

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JAN 1988

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

* CALVERT CLIFFS 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-318 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C. BEHNKE (301) 260-4871

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

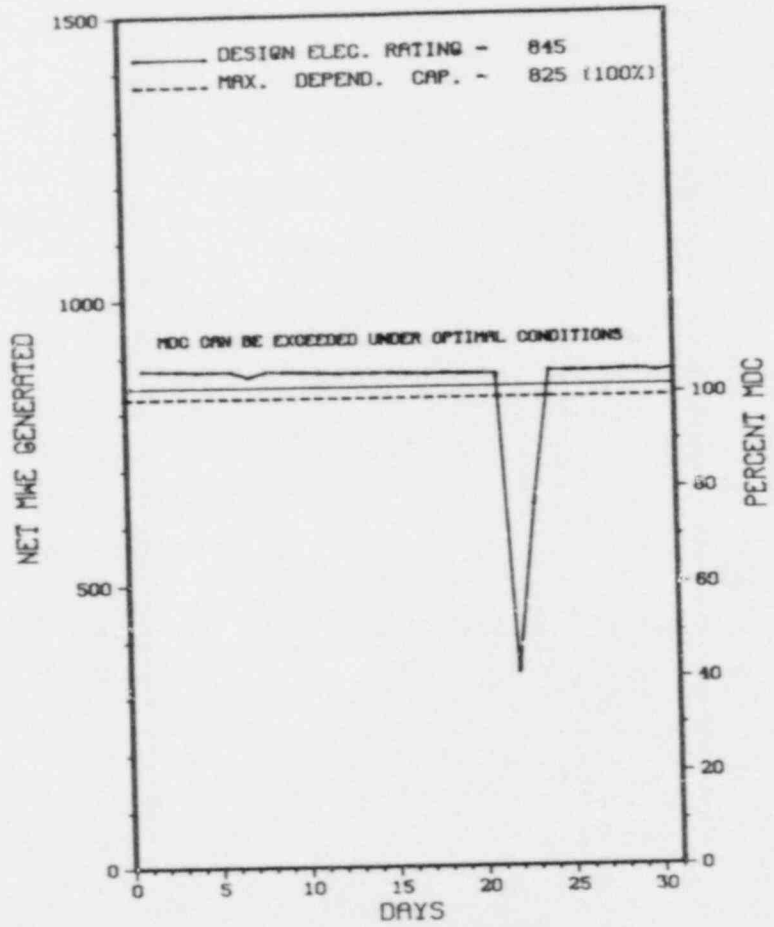
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>94,992.0</u>
13. Hours Reactor Critical	<u>732.0</u>	<u>732.0</u>	<u>78,575.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,296.8</u>
15. Hrs Generator On-Line	<u>726.2</u>	<u>728.2</u>	<u>77,408.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,925,204</u>	<u>1,926,204</u>	<u>195,266,867</u>
18. Gross Elec Ener (MWH)	<u>656,615</u>	<u>656,615</u>	<u>64,544,751</u>
19. Net Elec Ener (MWH)	<u>629,690</u>	<u>629,690</u>	<u>61,618,587</u>
20. Unit Service Factor	<u>97.9</u>	<u>97.9</u>	<u>81.5</u>
21. Unit Avail Factor	<u>97.9</u>	<u>97.9</u>	<u>81.5</u>
22. Unit Cap Factor (MDC Net)	<u>102.6</u>	<u>102.6</u>	<u>78.6</u>
23. Unit Cap Factor (DER Net)	<u>100.2</u>	<u>100.2</u>	<u>76.8</u>
24. Unit Forced Outage Rate	<u>2.1</u>	<u>2.1</u>	<u>5.6</u>
25. Forced Outage Hours	<u>15.8</u>	<u>15.8</u>	<u>4,588.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE - FEBRUARY 26, 1988 - DURATION 28 DAYS.

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/22/88	F	15.8	B	3	88-02	CB	INSTRU	TRIP ON LOW STEAM GENERATOR WATER LEVEL. THIS WAS INDUCED BY THE OPENING OF CIRCUIT BREAKER 52-20429 DUE TO A FAULT IN THE COMPUTER INVERTER'S DUMMY LOAD TEST. CORRECTIVE ACTION: 1. MAINTENANCE ELECTRICIAN'S REVIEW OF EVENTS LEADING TO TRIP. 2. DESIGN/REVIEW OF COORDINATION OF BREAKER/FUSE TIMING. 3. INCREASE THE USE OF SPECIAL PROCEDURES FOR COMPLEX TROUBLESHOOTING.

* SUMMARY *

CALVERT CLIFFS 2 INCURRED 1 FORCED OUTAGE IN JANUARY FOR REASONS STATED ABOVE.

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

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period JAN 1988

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.....S. MCNEIL
DOCKET NUMBER.....50-318
LICENSE & DATE ISSUANCE...DPR-69, NOVEMBER 30, 1976
PUBLIC DOCUMENT ROOM.....CALVERT COUNTY LIBRARY
FOURTH STREET
PRINCE FREDERICK, MARYLAND 20678

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

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 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 714.0

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

4. Licensed Thermal Power (Mwt): 3411

 Nameplate Rating (Gross MW): 1305

5. Design Electrical Rating (Net MWe): 1145

6. Maximum Dependable Capacity (Gross MWe): 1145

7. Maximum Dependable Capacity (Net MWe): 1129

8. 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>744.0</u>	<u>744.0</u>	<u>22,729.0</u>
13. Hours Reactor Critical	<u>559.1</u>	<u>559.1</u>	<u>15,673.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>530.8</u>	<u>530.8</u>	<u>15,130.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,575,665</u>	<u>1,575,665</u>	<u>47,630,529</u>
18. Gross Elec Ener (MWH)	<u>549,266</u>	<u>549,266</u>	<u>16,640,388</u>
19. Net Elec Ener (MWH)	<u>509,443</u>	<u>509,443</u>	<u>15,510,288</u>
20. Unit Service Factor	<u>71.3</u>	<u>71.3</u>	<u>66.6</u>
21. Unit Avail Factor	<u>71.3</u>	<u>71.3</u>	<u>66.6</u>
22. Unit Cap Factor (MDC Net)	<u>60.6</u>	<u>60.6</u>	<u>60.4</u>
23. Unit Cap Factor (IER Net)	<u>59.8</u>	<u>59.8</u>	<u>59.6</u>
24. Unit Forced Outage Rate	<u>28.6</u>	<u>28.6</u>	<u>18.7</u>
25. Forced Outage Hours	<u>212.7</u>	<u>212.7</u>	<u>3,471.8</u>

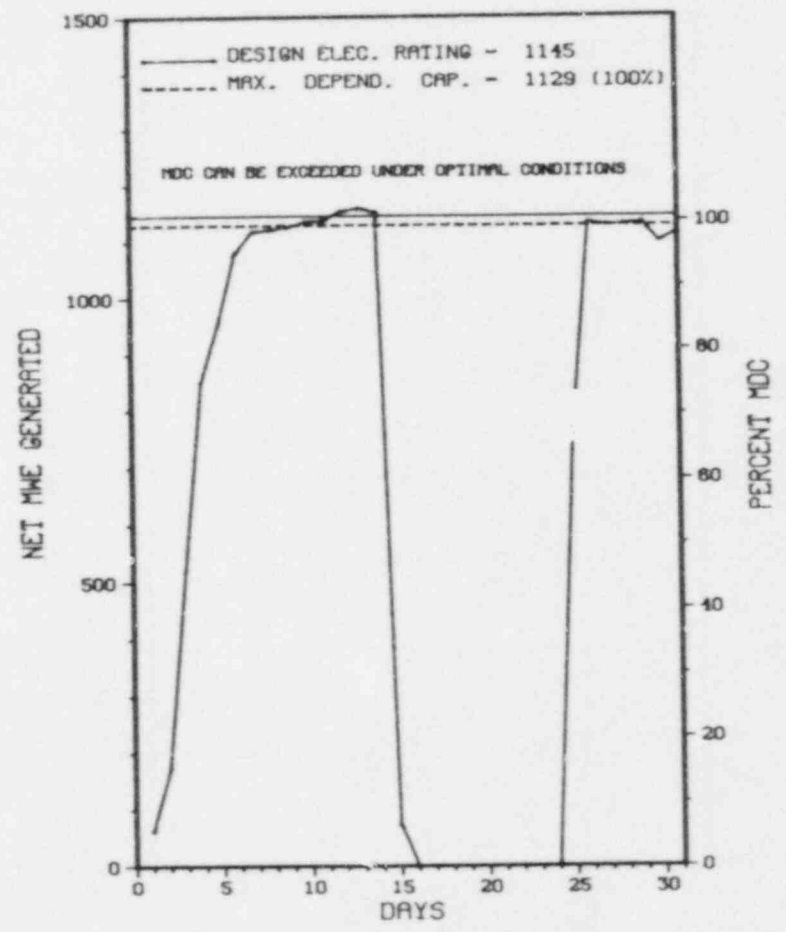
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * CATAWBA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 CATAWBA 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * CATAWBA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/01/88	S	0.5	B	1		HA	TURBIN	TURBINE GENERATOR TRIP FOR TURBINE OVERSPEED TRIP TEST.
2-P	01/01/88	F	0.0	A	5		CH	HTEXCH	UNABLE TO ATTAIN 25% POWER LEVEL DUE TO UPPER NOZZLE RESTRICTION.
2	01/01/88	F	9.2	H	1		CH	HTEXCH	UNIT SHUTDOWN DUE TO INABILITY TO ESTABLISH REVERSE PURGE PRIOR TO NOZZLE SWAP
13-P	01/06/88	F	0.0	B	5		HB	HTEXCH	PREPARATION TO RETURN MOISTURE SEPARATOR REHEATERS INTO SERVICE
14-P	01/09/88	F	0.0	A	5		ZZ	ZZZZZZ	SECONDARY SIDE THERMAL OUTPUT UNCERTAINTIES.
3	01/16/88	F	7.5	A	1		IF	INSTRU	REACTOR COOLANT SYSTEM THERMOCOUPLE PROBLEM
4	01/16/88	F	166.2	A	2		HF	HTEXCH	CONDENSER CIRCULATING WATER PIPE BREAK REPAIR
5	01/23/88	F	29.8	H	3		ZZ	ZZZZZZ	MAIN STEAM PRESSURE TOO LOW DURING START-UP ULTIMATELY CAUSED REACTOR TRIP
19-P	01/30/88	F	0.0	F	5		CB	ZZZZZZ	REACTOR COOLANT FLOW OUT OF SPEC

 * SUMMARY *

 CATAWBA 1 INCURRED FIVE OUTAGES AND SEVERAL POWER REDUCTIONS IN JANUARY AS STATED 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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training & License Examination		

* CATAWBA 1 *

FACILITY DATA

Report Period JAN 1988

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 22-25 (87-41): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREA OF CONTAINMENT LEAK RATE TESTING INCLUDING REVIEW OF PROCEDURES AND TEST PREPARATIONS, OBSERVATION OF THE TEST, AND PRELIMINARY EVALUATION OF TEST RESULTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 26 - DECEMBER 25 (87-42): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREAS OF REVIEW OF PLANT OPERATIONS; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; REVIEW OF LICENSEE NONROUTINE EVENT REPORTS; FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS; REFUELING ACTIVITIES (UNIT 1); COLD WEATHER PREPARATIONS; FOLLOWUP OF COMPLIANCE BULLETIN 87-02 AND REVIEW OF QA PERFORMANCE ASSESSMENT. OF THE NINE (9) AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED IN ONE AREA. FAILURE TO PROPERLY CLASSIFY AND REPORT A DIESEL GENERATOR INVALID FAILURE.

INSPECTION DECEMBER 8-9 (87-43): THIS REACTIVE INSPECTION WAS CONDUCTED AT THE DUKE NUCLEAR SECURITY DEPARTMENT IN RESPONSE TO THE LICENSEE NOTIFYING THE NRC THAT IT HAD DISCOVERED A POTENTIAL COMPROMISE OF SAFEGUARDS INFORMATION. AS OF THE DATE OF ISSUANCE OF THIS REPORT, THE RESULTS OF THIS INSPECTION WERE STILL BEING EVALUATED BY NRC.

INSPECTION JANUARY 11-15 (88-06): THIS SPECIAL, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREA OF FOLLOWUP OF A PREVIOUSLY IDENTIFIED ITEM. OF THE ONE (1) AREA INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW TS FOR NUCLEAR SERVICE WATER SYSTEM).

Report Period JAN 1988

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

XX
X CATAWBA 1 X
XX

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 11-15, 1988 +

INSPECTION REPORT NO: 50-413/88-06 +

Report Period JAN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CATAHBA 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-042	11/17/87	12/17/87	DIESEL GENERATOR AUTO START AND SUBSEQUENT FAILURE OF AN EMERGENCY LOAD GROUP TO ENERGIZE DUE TO EQUIPMENT MALFUNCTIONS
87-043	11/05/87	12/30/87	TECH SPEC VIOLATION DUE TO INOPERABLE REACTOR COOLANT SYSTEM INSTRUMENTATION BECAUSE OF A DESIGN DEFICIENCY
87-044	12/01/87	12/31/87	TECHNICAL SPECIFICATION VIOLATION DUE TO MANAGEMENT DEFICIENCY AND PERSONNEL ERROR
87-045	10/18/87	01/07/88	TECH SPEC VIOLATION DUE TO THE CONTAINMENT PURGE SYSTEM BEING INOPERABLE; PROCEDURAL DEFICIENCY AND A PERSONNEL ERROR
87-046	12/19/87	01/18/88	MAIN FEEDWATER ISOLATION DURING REMOVAL OF A TEMPORARY STATION MODIFICATION DUE TO A MANAGEMENT DEFICIENCY
87-047	12/21/87	01/20/88	ESF ACTUATION ON TWO OCCASIONS WHILE OPENING MAIN STEAM ISOLATION VALVE DUE TO UNKNOWN CAUSE AND A PERSONNEL ERROR

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1. Docket: 50-414 OPERATING STATUS
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 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): 1145
 7. Maximum Dependable Capacity (Gross MWe): 1145
 8. Maximum Dependable Capacity (Net MWe): 1129
 9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe):
 11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>12,745.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>8,605.7</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>8,344.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>25,727,493</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>9,077,028</u>
19. Net Elec Ener (MWH)	<u>-4,336</u>	<u>-4,336</u>	<u>8,462,361</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>65.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>5.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>58.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>58.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>28.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,394.0</u>

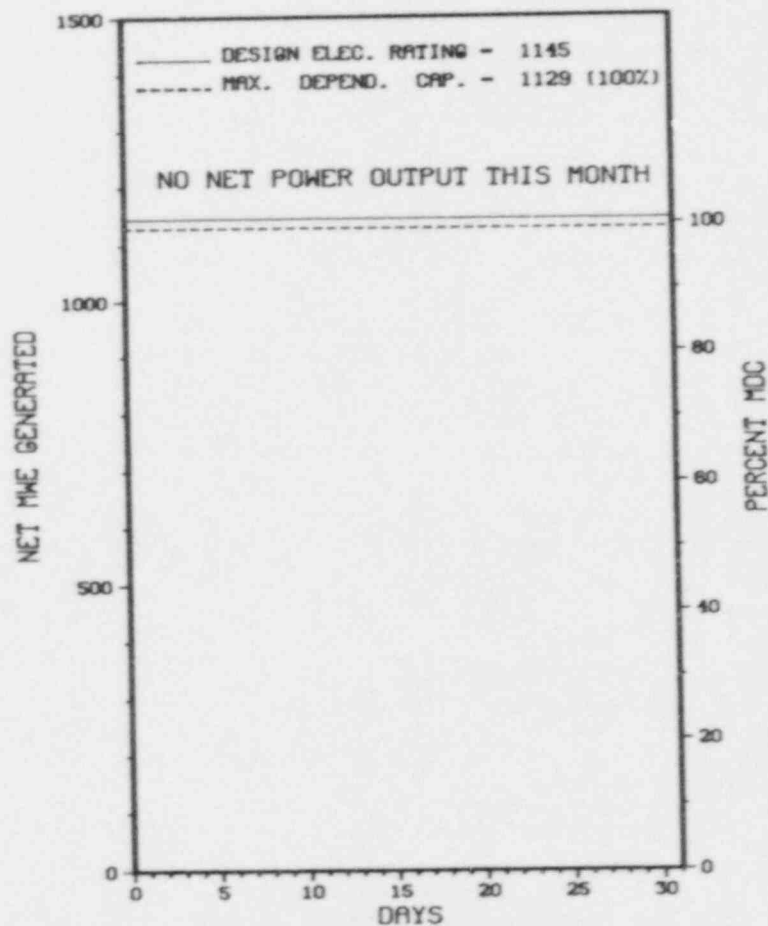
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 02/29/88

 * CATAWBA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 CATAWBA 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* CATAWBA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	12/24/87	S	744.0	C	4		RC FUELXX	END OF CYCLE 1 REFUELING OUTAGE

* SUMMARY *

CATAWBA 2 REMAINED SHUTDOWN FOR SCHEDULED REFUELING OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-01F')

 * CATAHBA 2 *

FACILITY DATA

Report Period JAN 1988

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...MAY 8, 1986
 DATE ELEC ENER 1ST GENER...MAY 18, 1986
 DATE COMMERCIAL OPERATE...AUGUST 19, 1986
 CONDENSER COOLING METHOD...HNDCT
 CONDENSER COOLING WATER...LAKE WYLIE
 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.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.II
 IE RESIDENT INSPECTOR.....P. SKINNER
 LICENSING PROJ MANAGER.....K. JABBOUR
 DOCKET NUMBER.....50-414
 LICENSE & DATE ISSUANCE...NPF-52, MAY 15, 1986
 PUBLIC DOCUMENT ROOM.....YORK COUNTY LIBRARY
 138 E. BLACK STREET
 ROCK HILL, SOUTH CAROLINA 29730

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 22-25 (87-41): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREA OF CONTAINMENT LEAK RATE TESTING INCLUDING REVIEW OF PROCEDURES AND TEST PREPARATIONS, OBSERVATION OF THE TEST, AND PRELIMINARY EVALUATION OF TEST RESULTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 26 - DECEMBER 25 (87-42): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREAS OF REVIEW OF PLANT OPERATIONS; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; REVIEW OF LICENSEE UNROUTINE EVENT REPORTS; FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS; REFUELING ACTIVITIES (UNIT 1); COLD WEATHER PREPARATIONS; FOLLOWUP OF COMPLIANCE BULLETIN 87-02 AND REVIEW OF QA PERFORMANCE ASSESSMENT. OF THE NINE (9) AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED IN ONE AREA. FAILURE TO PROPERLY CLASSIFY AND REPORT A DIESEL GENERATOR INVALID FAILURE.

INSPECTION DECEMBER 8-9 (87-43): THIS REACTIVE INSPECTION WAS CONDUCTED AT THE DUKE NUCLEAR SECURITY DEPARTMENT IN RESPONSE TO THE LICENSEE NOTIFYING THE NRC THAT IT HAD DISCOVERED A POTENTIAL COMPROMISE OF SAFEGUARDS INFORMATION. AS OF THE DATE OF ISSUANCE OF THIS REPORT, THE RESULTS OF THIS INSPECTION WERE STILL BEING EVALUATED BY NRC.

INSPECTION JANUARY 11-15 (88-06): THIS SPECIAL, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREA OF FOLLOWUP OF A PREVIOUSLY IDENTIFIED ITEM. OF THE ONE (1) AREA INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW TS FOR NUCLEAR SERVICE WATER SYSTEM).

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 11-15, 1988 +

INSPECTION REPORT NO: 50-414/88-06 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-029	11/03/87	12/03/87	MANUAL REACTOR/AUXILIARY FEEDWATER PUMP TURBINE TRIP FOLLOWING TURBINE TRIP/ MAIN FEEDWATER ISOLATION DUE TO HIGH STEAM GENERATOR
87-031	12/21/87	01/20/88	DG RENDERED INOPERABLE IN VIOLATION OF TECHNICAL SPECIFICATION BECAUSE RETESTS WERE MISSED DUE TO PERSONNEL ERROR

1. Docket: 50-461 O P E R A T I N G S T A T U S

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: F.A. SPANGENBERG (217)935-8881 X3400

4. Licensed Thermal Power (MWT): 2894

5. Nameplate Rating (Gross MWe): _____

6. Design Electrical Rating (Net MWe): 933

7. Maximum Dependable Capacity (Gross MWe): 933

8. Maximum Dependable Capacity (Net MWe): 930

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>744.0</u>	<u>744.0</u>	<u>1,642.3</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>1,642.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>1,642.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,019,131</u>	<u>2,019,131</u>	<u>4,164,631</u>
18. Gross Elec Ener (MWH)	<u>678,406</u>	<u>678,406</u>	<u>1,395,056</u>
19. Net Elec Ener (MWH)	<u>649,954</u>	<u>649,954</u>	<u>1,334,057</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>93.9</u>	<u>93.9</u>	<u>87.3</u>
23. Unit Cap Factor (DER Net)	<u>93.6</u>	<u>93.6</u>	<u>87.1</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>

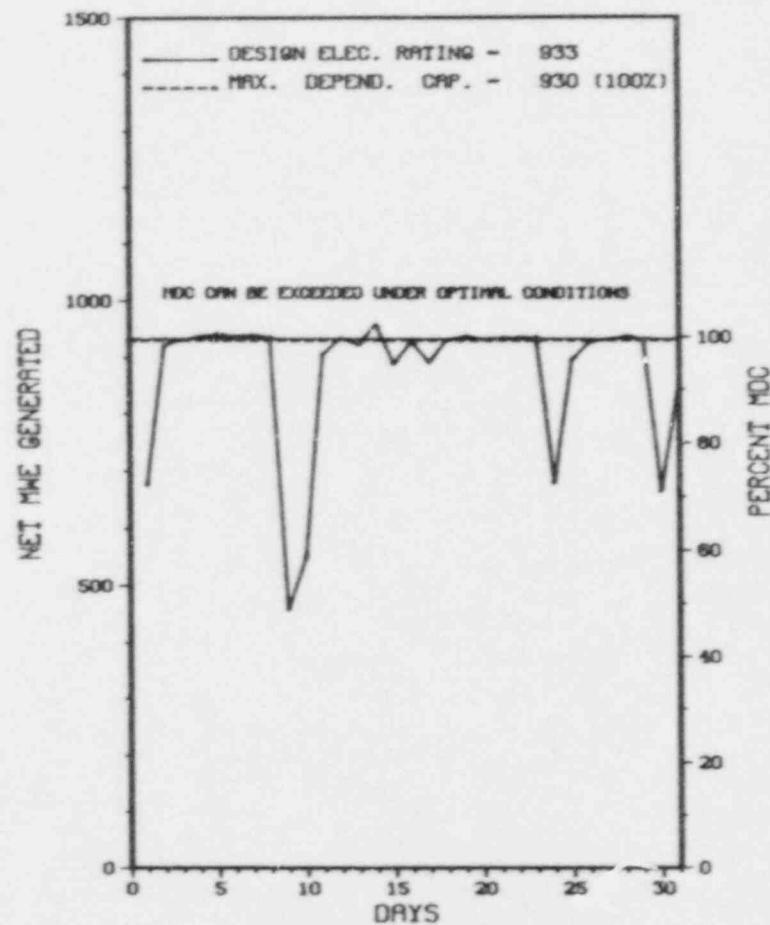
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

MAINTENANCE - MARCH 19, 1988 - 36 DAY DURATION.

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

 * CLINTON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 CLINTON 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * CLINTON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	12/26/87	F	0.0	A	5			POWER REDUCED TO APPROXIMATELY 48% TO ALLOW REPAIR OF CONDENSER WATER BOX TUBES AND REPAIR OF THE 4B FEEDWATER HEAT EXCHANGER.
2	1 /09/88	F	0.0	A	5			POWER REDUCED TO APPROXIMATELY 50% TO ALLOW REPAIR OF CONDENSER WATER BOX TUBE.
3	01/24/88	F	0.0	A	5			POWER REDUCED TO APPROXIMATELY 75% TO ALLOW CLEANING OF CIRCULATING WATER SYSTEM INTAKE SCREENS CLOGGED BY FISH.
4	01/30/88	S	0.0	B	5			POWER REDUCED TO APPROXIMATELY 65% TO ALLOW FOR CONTROL ROD PATTERN SEQUENCE EXCHANGE.

 * SUMMARY *

 CLINTON 1 INCURRED 4 POWER REDUCTIONS IN JANUARY FOR REASONS STATED 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)

* CLINTON 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....DE WITT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI E OF
CLINTON, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...FEBRUARY 27, 1987
DATE ELEC ENER 1ST GENER...APRIL 24, 1987
DATE COMMERCIAL OPERATE...NOVEMBER 24, 1987
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SALT CREEK
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ILLINOIS POWER
CORPORATE ADDRESS.....500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BALDWIN ASSOCIATES
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....P. HILAND
LICENSING PROJ MANAGER....R. STEVENS
DOCKET NUMBER.....50-461
LICENSE & DATE ISSUANCE...NPF-62, APRIL 17, 1987
PUBLIC DOCUMENT ROOM.....VESPASIAN WARNER PUBLIC LIBRARY
120 WEST JOHNSON ST.
CLINTON, IL. 61727

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 5-16, NOVEMBER 4-10, AND NOVEMBER 16-20, 1987 (REPORT NO. 461/27035(DRS)): ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR OF QA PROGRAM VERIFICATION, MAINTENANCE, AND FOLLOWUP OF INSPECTOR IDENTIFIED PROBLEMS. THE INSPECTION WAS CONDUCTED UTILIZING PORTIONS OF INSPECTION PROCEDURES 25578, 62700, 62702, AND 92701. TWO VIOLATIONS WERE IDENTIFIED: TWO EXAMPLES OF FAILURE TO FOLLOW PROCEDURES, PARAGRAPHS 3.B.(2)(A) AND 3.B.(2)(D); AND FAILURE TO TAKE PROMPT AND EFFECTIVE CORRECTIVE ACTION, PARAGRAPH 3.B.(2)(B).

INSPECTION ON NOVEMBER 16-20, 1987 (REPORT NO. 50-461/87037(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING A MAINTENANCE/ SURVEILLANCE OUTAGE, INCLUDING: ORGANIZATION, MANAGEMENT CONTROLS, AND STAFFING; OUTAGE PLANNING AND PREPARATION; TRAINING AND QUALIFICATIONS; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS, AND MONITORING; THE ALARA PROGRAM; AUDITS AND APPRAISALS; AND HIGH RADIATION AREA KEY CONTROLS. ALSO OPEN ITEMS AND FOLLOWUP OF IODINE-131 DETECTED IN THE LICENSEE'S SEWERAGE TREATMENT FACILITY SLUDGE WERE REVIEWED. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 30 THROUGH DECEMBER 4, 1987 (REPORT NO. 50-461/87038(DRS)): SECURITY PLAN/IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS - PROTECTED AREA; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS; SAFEGUARDS CONTINGENCY PLAN AND LICENSEE ACTION ON PREVIOUS FINDINGS. THE LICENSEE WAS DETERMINED TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN ALL 19 INSPECTED AREAS. ONE PREVIOUS INSPECTION FINDING WAS CLOSED. THE LICENSEE IS ACHIEVING ACCEPTABLE

INSPECTION SUMMARY

PROGRESS IN REDUCING THEIR ALARM RATE; HOWEVER, THE REMAINING INSPECTION FINDING (ALARM RATE) WILL REMAIN OPEN. (DETAILS: UNCLASSIFIED SAFEGUARDS INFORMATION)

INSPECTION ON DECEMBER 8, 9, AND 16, 1987 (REPORT NO. 50-461/87040(DRSS)): SPECIAL, ANNOUNCED INSPECTION OF THE CLINTON NUCLEAR POWER STATION EMERGENCY RESPONSE FACILITIES IN REGARDS TO THE NRC SITE TEAM, INCLUDING: AVAILAB:LE FACILITY SPACE; FACILITY LAYOUT; COMMUNICATIONS; AND NRC COMPUTER COMPATIBILITY. FOR THE AREAS INSPECTED, NO VIOLATIONS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE LICENSEE HAS COMPLETED THE POWER ASCENSION TEST PROGRAM. THE LICENSEE IS CURRENTLY OPERATING AT 100% POWER.

LAST IE SITE INSPECTION DATE: 02/15/88

INSPECTION REPORT NO: 88003

Report Period JAN 1988

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* CLINTON 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-68	121187	011387	ERROR BY INDETERMINABLE PERSON RESULTS IN INOPERABLE STANDBY GAS TREATMENT SYSTEM HIGH RANGE RADIOACTIVITY MONITOR DUE TO MISSING PARTICULATE FILTER PAPER
87-70	120787	011588	INADEQUATE RESEARCH INTO SURVEILLANCE INSTRUMENTATION DESIGN BASIS RESULTS IN INOPERABLE DRYWELL HIGH PRESSURE TRANSMITTERS DUE TO UNQUALIFIED MATERIAL INSTALLATION.
88-01	010188	012788	ISOLATION OF REACTOR WATER CLEANUP SYSTEM DURING TRENDING OF MAIN STEAM LINE TUNNEL TEMPERATURES DUE TO RANDOM FAILURE OF A TEMPERA TURE MODULE
88-02	010688	012988	AUTO-START OF STANDBY GAS TREATMENT SYSTEM RESULTS FROM SPURIOUS ELECTRICAL SPIKE OF PROCESS RADIATION MONITOR OUTPUT DUE TO DETECTOR TUBE FAILURE
88-03	011488	021088	ACTION OF PROCESS RADIATION MONITOR DURING CHECK SOURCE FUNCTION RESULTS IN PREMATURE RE-LANDING LEAD WIRES AND ISOLATION OF HYDROGEN/OXYGEN MONITOR.

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1. Docket: 50-315 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: HIRSCH (616) 465-5901

4. Licensed Thermal Power (MWh): 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): 920

11. Reasons for Restrictions, If Any: ADMINISTRATIVE

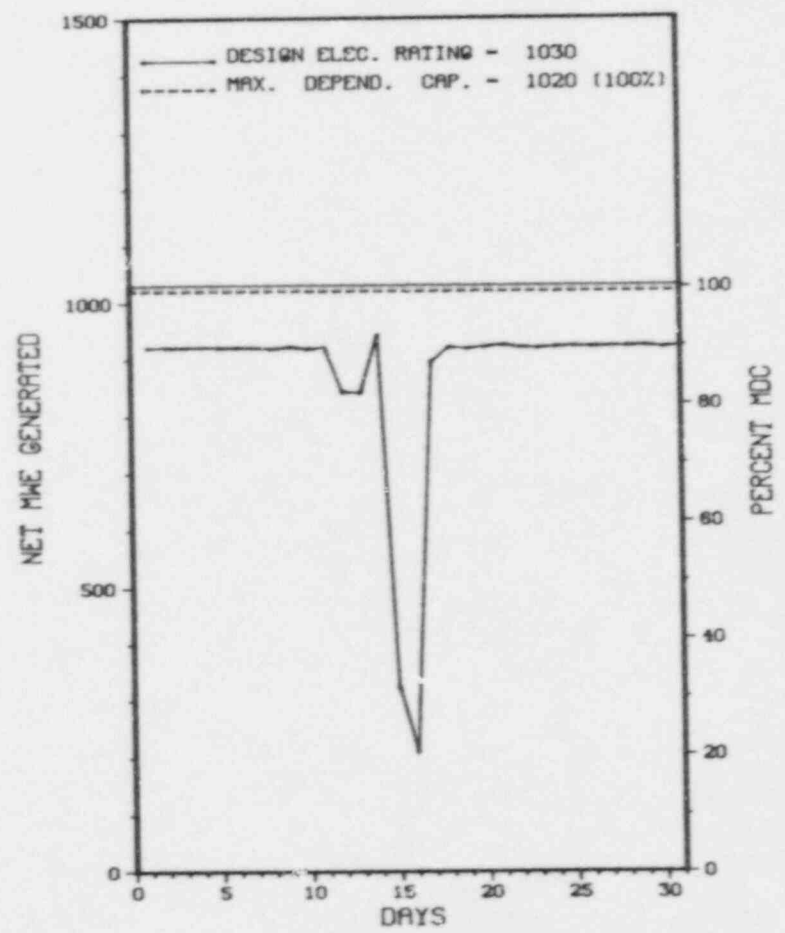
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>114,696.0</u>
13. Hours Reactor Critical	<u>723.8</u>	<u>723.8</u>	<u>82,560.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>717.5</u>	<u>717.5</u>	<u>80,954.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>2,076,972</u>	<u>2,076,972</u>	<u>235,068,342</u>
18. Gross Elec Ener (MWH)	<u>678,300</u>	<u>678,300</u>	<u>76,822,970</u>
19. Net Elec Ener (MWH)	<u>652,254</u>	<u>652,254</u>	<u>73,883,252</u>
20. Unit Service Factor	<u>96.4</u>	<u>96.4</u>	<u>71.8</u>
21. Unit Avail Factor	<u>96.4</u>	<u>96.4</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>85.9</u>	<u>85.9</u>	<u>64.2</u>
23. Unit Cap Factor (DER Net)	<u>85.1</u>	<u>85.1</u>	<u>62.1</u>
24. Unit Forced Outage Rate	<u>3.6</u>	<u>3.6</u>	<u>8.3</u>
25. Forced Outage Hours	<u>26.5</u>	<u>26.5</u>	<u>6,644.7</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
SURVEILLANCE OUTAGE - APRIL 2, 1988 - 10 DAY DURATION.

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

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOK 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
266	01/13/88	F	26.5	G	3	88-001	IA	CKTBRA	A REACTOR/TURBINE TRIP OCCURRED DUE TO AN OPERATOR ERROR. THE OPERATOR INADVERTENTLY TRIPPED REACTOR TRIP BREAKER "B" WHEN HE HAD BEEN ASSIGNED TO RACK-IN REACTOR TRIP BY-PASS BREAKER "B" FOR SURVEILLANCE TESTING. FOLLOWING A CONTAINMENT INSPECTION AND MINOR MAINTENANCE WORK THE UNIT WAS RETURNED TO THE 90% ADMINISTRATIVE POWER LIMIT. ADMINISTRATIVE CONTROLS HAVE BEEN ESTABLISHED TO ENSURE PROPER EQUIPMENT CONFIGURATIONS AND ADEQUATE JOB BRIEFINGS DURING SURVEILLANCE TESTING. PROCEDURAL ENHANCEMENT WILL BE MADE TO IMPROVE COMMUNICATION AND COMPONENT STATUS VERIFICATION.

 * SUMMARY *

 COOK 1 INCURRED 1 FORCED OUTAGE IN JANUARY FOR REASONS STATED 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)

* COOK 1 *

FACILITY DATA

Report Period JAN 1988

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 POWER CO.
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. JORGENSEN
LICENSING PROJ MANAGER.....J. STANG
DOCKET NUMBER.....50-315
LICENSE & DATE ISSUANCE...DPR-58, OCTOBER 25, 1974
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

MEETING ON DECEMBER 10, 1987 (REPORTS NO. 50-315/87033(DRSS); NO. 50-316/87033(DRSS)): A MANAGEMENT MEETING WAS CONDUCTED TO DISCUSS THE LICENSEE'S PROPOSED CHANGES TO THE D.C. COOK RADIATION PROTECTION PROGRAM IN RESPONSE TO RECENT NRC FINDINGS.

INSPECTION ON DECEMBER 7-10, 1987 (REPORTS NO. 50-315/87042(DRSS); NO. 50-316/87042(DRSS)): INCLUDED MANAGEMENT EFFECTIVENESS; PERSONNEL TRAINING AND QUALIFICATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SAFEGUARDS CONTINGENCY PLAN; ACCESS CONTROL - PERSONNEL AND PACKAGES; AND COMPENSATORY MEASURES. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED. ONE LICENSEE-IDENTIFIED VIOLATION CONCERNING THE LICENSEE'S ABILITY TO ADEQUATELY MAINTAIN PROTECTED AND VITAL AREA BARRIERS WAS NOTED AND IS BEING ADDRESSED BY THE LICENSEE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

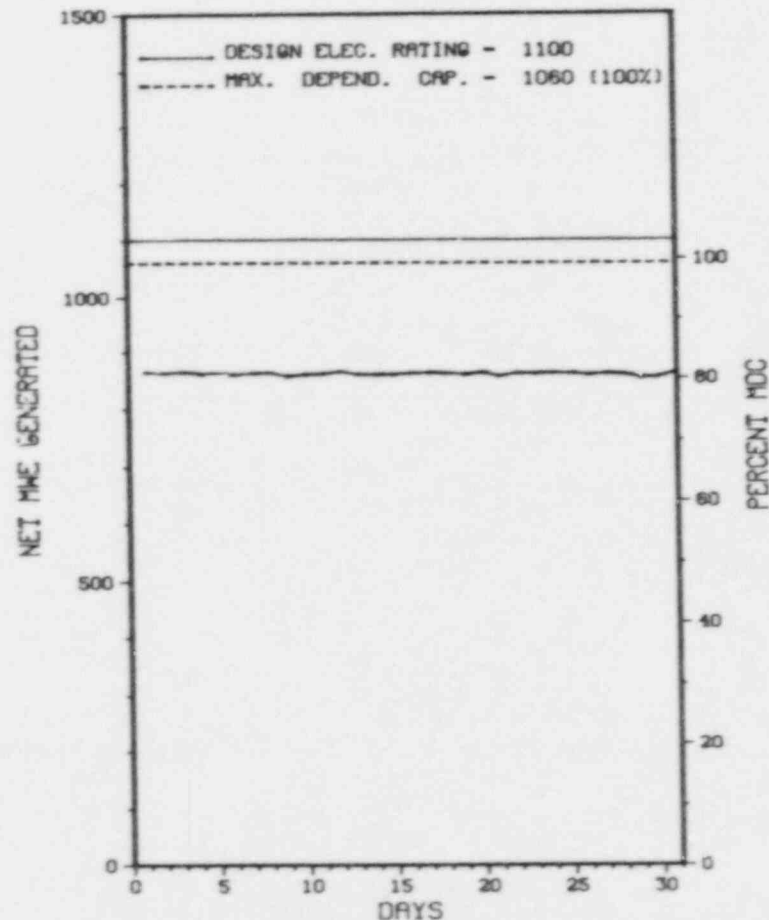
1. Docket: 50-316 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: HIRSCH (616) 465-5901
4. Licensed Thermal Power (MWh): 3411
5. Nameplate Rating (Gross MWe): 1333 X 0.85 = 1133
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross 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): 864
11. Reasons for Restrictions, If Any: _____

ADMINISTRATIVE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>88,392.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>61,616.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>60,239.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2.2</u>
17. Gross Therm Ener (MWH)	<u>2,039,814</u>	<u>2,039,814</u>	<u>186,619,052</u>
18. Gross Elec Ener (MWH)	<u>667,470</u>	<u>667,470</u>	<u>60,143,910</u>
19. Net Elec Ener (MWH)	<u>641,192</u>	<u>641,192</u>	<u>57,904,673</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>70.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>70.1</u>
22. Unit Cap Factor (MDC Net)	<u>81.3</u>	<u>81.3</u>	<u>63.6</u>
23. Unit Cap Factor (DER Net)	<u>78.3</u>	<u>78.3</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,497.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>SG REPLACEMENT - APRIL 23, 1988 - 225 DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * COOK 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 COOK 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* COOK 2 *

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

 * SUMMARY *

 COOK 2 OPERATED AT A NOMINAL 80% ADMINISTRATIVELY IMPOSED POWER LEVEL DURING
 JANUARY WITH NO OUTAGES OR OTHER SIGNIFICANT POWER REDUCTIONS.

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

* COOK 2 *

FACILITY DATA

Report Period JAN 1988

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 POWER CO.

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. JORGENSEN

LICENSING PROJ MANAGER.....J. STANG
DOCKET NUMBER.....50-316

LICENSE & DATE ISSUANCE...DPR-74, DECEMBER 23, 1977

PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

MEETING ON DECEMBER 10, 1987 (REPORTS NO. 50-315/87033(DRSS); NO. 50-316/87033(DRSS)): A MANAGEMENT MEETING WAS CONDUCTED TO DISCUSS THE LICENSEE'S PROPOSED CHANGES TO THE D.C. COOK RADIATION PROTECTION PROGRAM IN RESPONSE TO RECENT NRC FINDINGS.

INSPECTION ON DECEMBER 7-10, 1987 (REPORTS NO. 50-315/87042(DRSS); NO. 50-316/87042(DRSS)): INCLUDED MANAGEMENT EFFECTIVENESS; PERSONNEL TRAINING AND QUALIFICATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SAFEGUARDS CONTINGENCY PLAN; ACCESS CONTROL - PERSONNEL AND PACKAGES; AND COMPENSATORY MEASURES. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED. ONE LICENSEE-IDENTIFIED VIOLATION CONCERNING THE LICENSEE'S ABILITY TO ADEQUATELY MAINTAIN PROTECTED AND VITAL AREA BARRIERS WAS NOTED AND IS BEING ADDRESSED BY THE LICENSEE.

ENFORCEMENT SUMMARY

UNIT 2 TECHNICAL SPECIFICATION 6.8.1.A REQUIRES WRITTEN PROCEDURES BE IMPLEMENTED AS RECOMMENDED IN REGULATORY GUIDE 1.33, APPENDIX A, NOVEMBER 1972; THIS INCLUDES, AT SECTION I.5, PROCEDURES FOR CONTROL OF REPAIR, REPLACEMENT AND MODIFICATION WORK. CONTROL OF MODIFICATIONS IS EITHER BY PROCEDURE PMI-2140, "TEMPORARY MODIFICATIONS" OR BY PMI-5040 "DESIGN CHANGE CONTROL PROGRAM" FOR PERMANENT CHANGES. EACH PROCEDURE (PMI-2140 AT PARAGRAPH 3.4.1. PMI-5040 AT PARAGRAPH 4.4.3) REQUIRES PRIOR EVALUATION AND APPROVAL BEFORE PERFORMING AN ACTIVITY WHICH ALTERS A PLANT SYSTEM, COMPONENT OR STRUCTURE FROM ITS EXISTING APPROVED CONDITION. CONTRARY TO THE ABOVE, ON JANUARY 28, 1987, ASTM A-36 (STRUCTURAL STEEL) MATERIAL WAS SUBSTITUTED FOR ASTM A-106 GRADE (PIPING)

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. T. SCHEUERMAN (402) 825-3311

4. Licensed Thermal Power (Mwt): 2381

5. Nameplate Rating (Gross MWe): 983 X 0.85 = 836

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

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

11. Reasons for Restrictions, If Any:
NONE

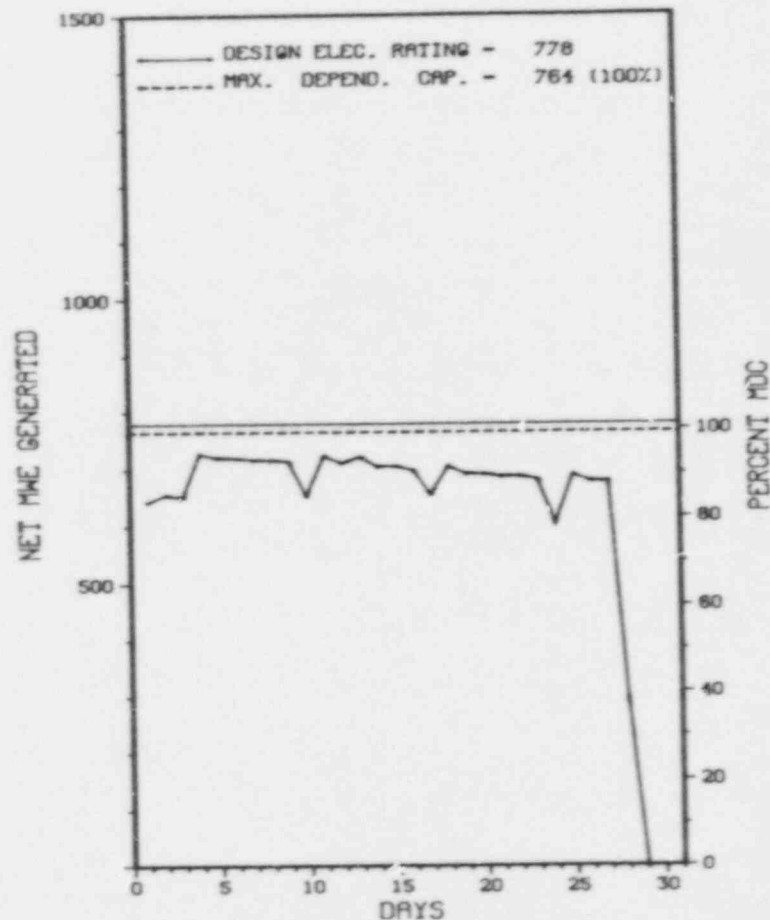
	MONTH	YEAR	CUMILATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>119,113.0</u>
13. Hours Reactor Critical	<u>667.2</u>	<u>667.2</u>	<u>90,674.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>667.2</u>	<u>667.2</u>	<u>89,211.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,416,240</u>	<u>1,416,240</u>	<u>176,046,947</u>
18. Gross Elec Ener (MWH)	<u>470,351</u>	<u>470,351</u>	<u>56,529,432</u>
19. Net Elec Ener (MWH)	<u>453,516</u>	<u>453,516</u>	<u>54,482,140</u>
20. Unit Service Factor	<u>89.7</u>	<u>89.7</u>	<u>74.9</u>
21. Unit Avail Factor	<u>89.7</u>	<u>89.7</u>	<u>74.9</u>
22. Unit Cap Factor (MDC Net)	<u>79.8</u>	<u>79.8</u>	<u>59.9</u>
23. Unit Cap Factor (DER Net)	<u>78.4</u>	<u>78.4</u>	<u>58.8</u>
24. Unit Forced Outage Rate	<u>10.3</u>	<u>10.3</u>	<u>4.7</u>
25. Forced Outage Hours	<u>76.8</u>	<u>76.8</u>	<u>3,771.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE - MARCH 5, 1988 - 8 WEEK DURATION.

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

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOPER STATION



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/28/88	F	76.8	A	3	88-002	CBX	ICNTRL	HIGH FLUX SCRAM, DURING REACTOR RECIRCULATION PUMP "B" RESTART, DUE TO LOSS OF START SEQUENCE RUNBACK SIGNAL. FOUND LOOSE LIMIT SWITCH CAM; REPOSITIONED AND SECURED CAM WITH SUITABLE LOCKING DEVICE.

* SUMMARY *

COOPER STATION INCURRED 1 FORCED OUTAGE IN JANUARY FOR REASONS STATED 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)

* COOPER STATION

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAHA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...23 MI S OF
NEBRASKA CITY, NEB

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FEBRUARY 21, 1974

DATE ELEC ENER 1ST GENER...MAY 10, 1974

DATE COMMERCIAL OPERATE...JULY 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT

CORPORATE ADDRESS.....P.O. BOX 499
COLUMBUS, NEBRASKA 68601

CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....D. DUBOIS

LICENSING PROJ MANAGER.....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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED NOV.18-20, 1987 (87-23) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S SOLID RADIOACTIVE WASTE AND RADIOACTIVE MATERIALS TRANSPORTATION PROGRAMS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DEC.7-10, 1987 (87-29) ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE'S RADIATION PROTECTION PROGRAM INCLUDING EXTERNAL OCCUPATIONAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY; INTERNAL EXPOSURE CONTROL AND ASSESSMENT; CONTROL OF RADIOACTIVE MATERIALS, CONTAMINATION, SURVEYS, AND MONITORING; AND RADIATION PROTECTION FACILITIES AND EQUIPMENT. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DEC.1-21, 1987 (87-31) ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, RADIOLOGICAL PROTECTION, COLD WEATHER PREPARATION, AND SECURITY. WITHIN THE AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NORMAL POWER OPERATION

LAST IE SITE INSPECTION DATE: DEC.21, 1987

INSPECTION REPORT NO: 50-298/87-31

REPORTS FROM LICENSEE

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
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NONE
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1. Docket: 50-302 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
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

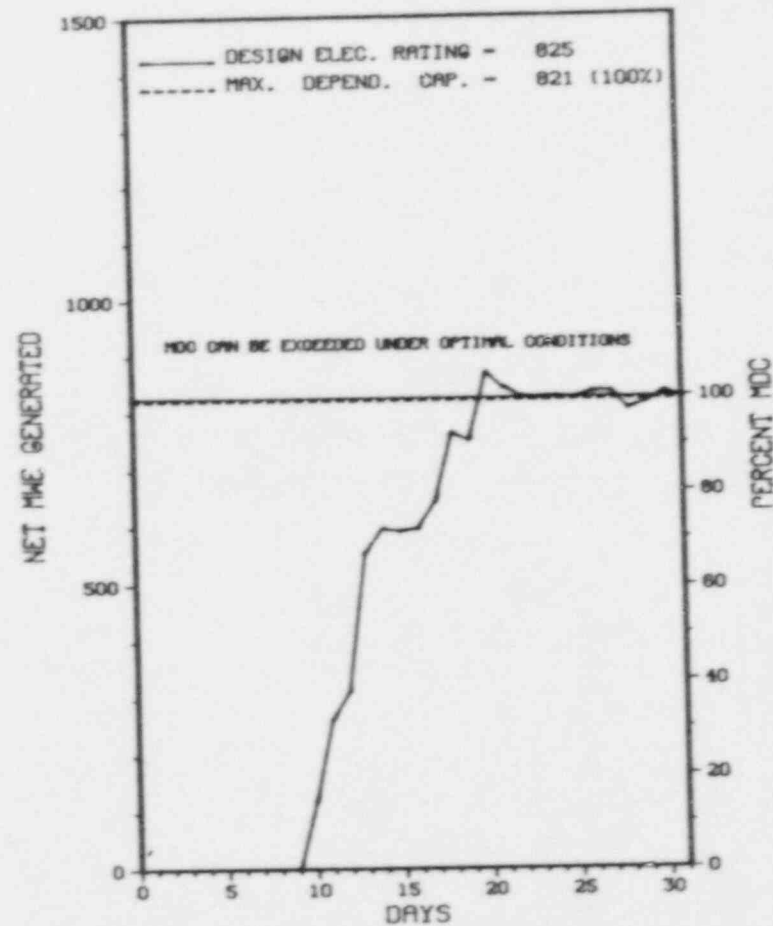
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>95,448.0</u>
13. Hours Reactor Critical	<u>555.3</u>	<u>555.3</u>	<u>59,882.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>517.4</u>	<u>517.4</u>	<u>58,533.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,125,311</u>	<u>1,125,311</u>	<u>130,872,499</u>
18. Gross Elec Ener (MWH)	<u>384,026</u>	<u>384,026</u>	<u>44,758,141</u>
19. Net Elec Ener (MWH)	<u>363,430</u>	<u>363,430</u>	<u>42,497,012</u>
20. Unit Service Factor	<u>69.5</u>	<u>69.5</u>	<u>61.3</u>
21. Unit Avail Factor	<u>69.5</u>	<u>69.5</u>	<u>61.3</u>
22. Unit Cap Factor (MDC Net)	<u>59.5</u>	<u>59.5</u>	<u>54.2</u>
23. Unit Cap Factor (DER Net)	<u>59.2</u>	<u>59.2</u>	<u>54.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>23.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>17,635.0</u>

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

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

* CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CRYSTAL RIVER 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-1	09/18/87	S	226.6	C	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON SEPTEMBER 18, 1987 AT 2320 FOR THE REFUEL VI OUTAGE. ALL REFUELING WORK IS COMPLETE AND THE UNIT RETURNED TO SERVICE ON JANUARY 10, 1988 AT 1058.

 * SUMMARY *

 CRYSTAL RIVER 3 COMPLETED MAINTENANCE AND REFUELING OUTAGE ON JANUARY 10 AND RETURNED TO SERVICE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 JAN 1:88

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....CITRUS
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NW OF
CRYSTAL RIVFR, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 14, 1977
DATE ELEC ENER 1ST GENER...JANUARY 30, 1977
DATE COMMERCIAL OPERATE...MARCH 15, 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.....3281 54TH 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 32629

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION NOVEMBER 30 - DECEMBER 4 (87-41): THIS SPECIAL ANNOUNCED INSPECTION WAS CONDUCTED ON SITE AND AT THE CORPORATE OFFICES IN THE AREA OF DIESEL GENERATOR LOADING. ONE VIOLATION WAS IDENTIFIED INVOLVING INADEQUATE DESIGN CONTROL.

INSPECTION DECEMBER 7-17 (87-43): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED ON SITE AND IN THE REGION II OFFICE IN THE AREAS OF INTEGRATED SAFEGUARDS TEST WITNESSING, REVIEW OF TEST PROCEDURES FOR EMERGENCY DIESEL GENERATOR (EDG) LOAD TESTING, AND REVIEW OF PROCEDURES FOR FLOW BALANCE TESTING OF SELECTED SAFETY-RELATED COMPONENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 4-8 (88-02): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION INVOLVED A REVIEW AND EXAMINATION OF THE FOLLOWING AREAS: SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY PROGRAM AUDIT, TESTING AND MAINTENANCE, PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; DETECTION AIDS - PROTECTED AREA; DETECTION AIDS - VITAL AREAS, TRAINING AND QUALIFICATION - GENERAL REQUIREMENTS, AND PHYSICAL PROTECTION SAFEGUARDS INFORMATION. NO VIOLATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED IN THE NINE AREAS INSPECTED.

ENFORCEMENT SUMMARY

CONTRARY TO PARAGRAPH (A)(1) OF 10 CFR 50.55A, ON OCTOBER 22, 1987, WELDER PERFORMANCE QUALIFICATIONS WERE NOT IN ACCORDANCE WITH QW-452 REQUIREMENTS IN THAT CERTAIN WELDERS WERE PERMITTED TO FABRICATE PRODUCTION WELD(S) BEYOND THE LIMITS OF THEIR

ENFORCEMENT SUMMARY

QUALIFICATION.

CONTRARY TO TS 6.8.1.A PROCEDURE CP-118 WAS NOT PROPERLY IMPLEMENTED TO ESTABLISH A FIRE WATCH IN THE REACTOR BUILDING DURING WELDING OPERATIONS WHICH RESULTED IN A FIRE IN UNPROTECTED COMBUSTIBLES. FURTHER, PROCEDURE MP-109 WAS NOT ADHERED TO IN ESTABLISHING THE PROPER RING SETTINGS FOR MAIN STEAM SAFETY VALVES. CONTRARY TO TS 6.9.12, THE AUXILIARY BUILDING VENTILATION EXHAUST FANS WERE NOT OPERATING AS REQUIRED WHILE FUEL WAS BEING MOVED IN THE STORAGE POOL. CONTRARY TO 10 CFR 20.311(D)(1) AND 10 CFR 61.56(B)(2), ON JUNE 8, 1987, ONE 55-GALLON DRUM OF PHOSPHORIC ACID PROCESSED TO A STABLE FORM USING CEMENT WAS TRANSFERRED TO A LAND DISPOSAL FACILITY AS A PART OF RADIOACTIVE WASTE SHIPMENT NO. 0687-019-A. UPON RECEIPT AT THE LAND DISPOSAL FACILITY, THE DRUM WAS FOUND TO CONTAIN 1,585 MILLILITER OF LIQUID (APPROXIMATELY 0.7%). SECURITY BADGES WERE NOT ADEQUATELY CONTROLLED. SECURITY BADGES WERE NOT ADEQUATELY CONTROLLED. CONTRARY TO TS 6.8.1.C, THE EDG TEST DATA LOGS FROM OCTOBER 1985 TO PRESENT WERE NOT COMPLETED AS SPECIFIED IN THE SEPTEMBER 9, 1985, OPERATIONS INTRA DEPARTMENT MEMORANDUM. EXAMPLES OF OMISSIONS INCLUDE NOT LOGGING REASONS FOR INVALID EDG TESTS AND FAILURES, NOT LOGGING EDG START TIMES, AND NOT PROPERLY LOGGING REASONS FOR EDG STARTS. IN ADDITION, THE INTRA DEPARTMENT MEMORANDUM IS INCORRECT IN THAT CRITERIA B(B) OF THE MEMORANDUM DOES NOT COMPLY WITH NRC REGULATORY GUIDE 1.108 FOR EVALUATION OF VALID AND INVALID EDG TESTS AND FAILURES. ADHERENCE TO THIS MEMORANDUM COULD RESULT IN AN IMPROPER EVALUATION OF A EDG TEST AND FAILURE.
 (8703 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NOPE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JANUARY 4-8, 1988 +

INSPECTION REPORT NO: 50-302/88-02 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-031	12/18/87	01/18/88	INADEQUATE PROCEDURE CHANGE S.E.R. RESULTS IN USE FO SEISMIC MONITORS WITH MEASUREMENT RANGES NOT IN COMPLIANCE WITH THE TS

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: MORVEZA KHARZRAI (419) 249-5000 X7290

4. Licensed Thermal Power (MWt): 2772

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

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 918

8. Maximum Dependable Capacity (Net MWe): 860

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

10. Power Level To Which Restricted, If Any (Net MWe): 697

11. Reasons for Restrictions, If Any: ADMINISTRATIVE

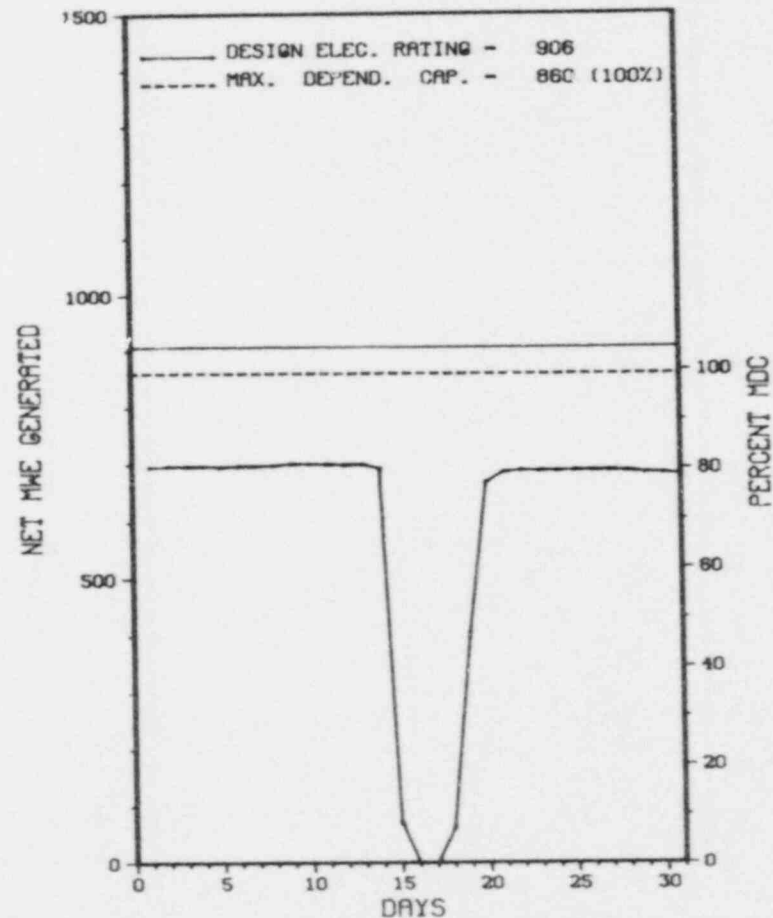
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>83,329.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>44,225.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,050.1</u>
15. Hrs Generator On-Line	<u>663.5</u>	<u>663.5</u>	<u>42,464.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>1,465,612</u>	<u>1,465,612</u>	<u>99,427,810</u>
18. Gross Elec Ener (MWH)	<u>473,000</u>	<u>473,000</u>	<u>32,848,803</u>
19. Net Elec Ener (MWH)	<u>440,885</u>	<u>440,885</u>	<u>30,741,532</u>
20. Unit Service Factor	<u>89.2</u>	<u>89.2</u>	<u>50.9</u>
21. Unit Avail Factor	<u>89.2</u>	<u>89.2</u>	<u>53.0</u>
22. Unit Cap Factor (MDC Net)	<u>68.9</u>	<u>68.9</u>	<u>42.9</u>
23. Unit Cap Factor (DER Net)	<u>65.4</u>	<u>65.4</u>	<u>40.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>32.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>21,470.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - MARCH 11, 1988 - 26 WEEK DURATION.

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

* DAVIS-BESSE 1 *

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



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * DAVIS-BESSE 1 *

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

1	01/15/88	S	80.5	B	1				
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THE TURBINE WAS TAKEN OFF LINE DUE TO MAIN TURBINE TORSIONAL TEST, BUT THE REACTOR STAYED CRITICAL.

 * SUMMARY *

DAVIS-BESSE 1 INCURRED 1 POWER OUTAGE IN JANUARY AS STATED 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)

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period JAN 1988

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.....P. BYRON
LICENSING PROJ MANAGER.....A. DEGAZIO
DOCKET NUMBER.....50-346
LICENSE & DATE ISSUANCE...NPF-3, APRIL 22, 1977
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
GOVERNMENT DOCUMENTS COLLECTION
2801 WEST BANCROFT AVENUE
TOLEDO, OHIO 43606

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 1 THROUGH NOVEMBER 15, 1987 (REPORT NO. 50-346/87026(DRP)): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS: OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; EMERGENCY PREPAREDNESS; IE INFORMATION NOTICES; COLD WEATHER PREPARATIONS; QUALITY ASSURANCE; AND SECURITY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FROM NOVEMBER 2-6, 1987 (REPORT NO. 50-346/87030): MAINTENANCE INSPECTION TEAM REVIEW OF FOUR SELECTED SYSTEMS; MAIN FEEDWATER, SERVICE WATER, COMPONENT COOLING WATER, AND SPENT FUEL POOL COOLING WATER, INCLUDING AN EVALUATION OF THE MATERIAL CONDITION AND MAINTENANCE BACKLOG FOR EACH SYSTEM. NO NEW ITEMS OF CONCERN WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-275 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: P. BEDASAM (805) 595-6097

4. Licensed Thermal Power (MWt): 3338

Nameplate Rating (Gross MWe): 1137

5. Design Electrical Rating (Net MWe): 1086

6. Maximum Dependable Capacity (Gross MWe): 1124

7. Maximum Dependable Capacity (Net MWe): 1073

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

NONE

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

10. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>23,998.3</u>
13. Hours Reactor Critical	<u>692.3</u>	<u>692.3</u>	<u>20,431.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>684.1</u>	<u>684.1</u>	<u>19,992.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,035,485</u>	<u>2,035,485</u>	<u>60,999,948</u>
18. Gross Elec Ener (MWH)	<u>685,000</u>	<u>685,000</u>	<u>20,535,832</u>
19. Net Elec Ener (MWH)	<u>649,333</u>	<u>649,333</u>	<u>19,461,035</u>
20. Unit Service Factor	<u>91.9</u>	<u>91.9</u>	<u>83.3</u>
21. Unit Avail Factor	<u>91.9</u>	<u>91.9</u>	<u>81.3</u>
22. Unit Cap Factor (MDC Net)	<u>81.3</u>	<u>81.3</u>	<u>75.6</u>
23. Unit Cap Factor (DER Net)	<u>80.4</u>	<u>80.4</u>	<u>74.7</u>
24. Unit Forced Outage Rate	<u>8.1</u>	<u>8.1</u>	<u>4.0</u>
25. Forced Outage Hours	<u>59.9</u>	<u>59.9</u>	<u>840.6</u>

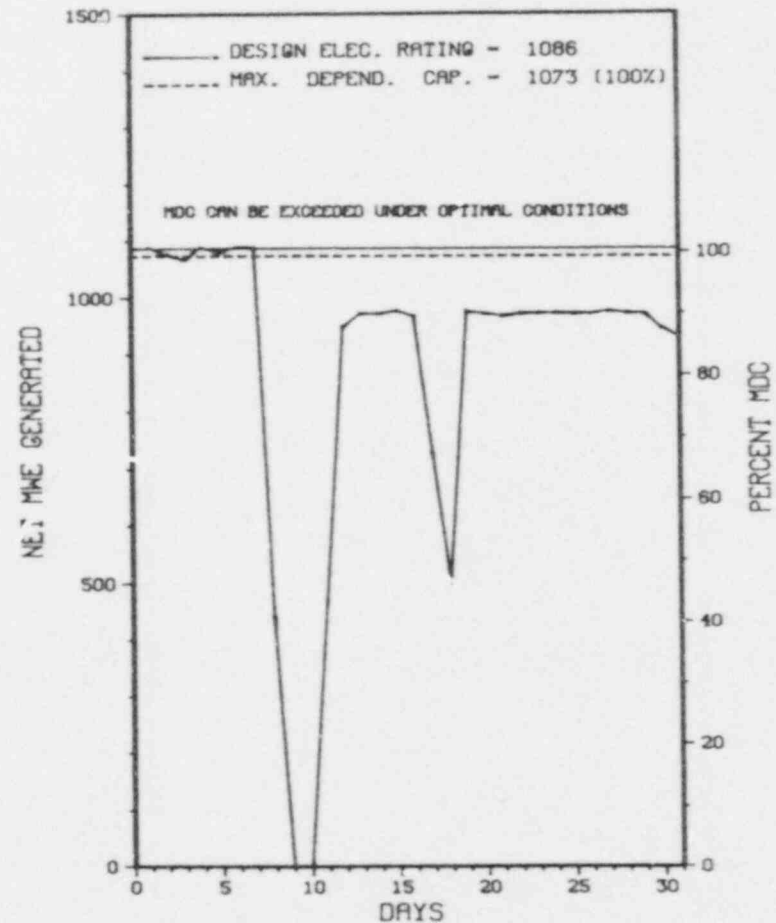
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

MARCH 4, 1988 - 70 DAY DURATION.

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

 * DIABLO CANYON 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 DIABLO CANYON 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/08/88	F	59.9	G	3	1-85-002	AB	FT	AT 1011 PST, AN AUTOMATIC REACTOR TRIP WAS RECEIVED WHEN A TECHNICIAN FILLED AN INSTRUMENT TUBING THAT HAD BEEN REPLACED ON A FLOW TRANSMITTER. THE FILLING ACTION CAUSED A MOMENTARY LOW PRESSURE IN TWO OTHER PROTECTION TRANSMITTERS FOR RCS FLOW LOOP J THEREBY MEETING THE REACTOR PROTECTION SYSTEM LOGIC OF 2/3 LOW FLOW IN 1/4 LOOPS WITH POWER ABOVE THE P-8 (35% POWER) PERMISSIVE. THE SURVEILLANCE TEST PROCEDURE (STP) I-8B5 AND SIMILAR PROCEEDRES WILL BE REVISED TO INCLUDE PRECAUTIONS FOR WORK ON RCS FLOW TRANSMITTERS WHILE AT POWER.

 * SUMMARY *

 DIABLO CANYON 1 INCURRED 1 POWER REDUCTION IN JANUARY FOR REASONS STATED 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)

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.....P. NARBUT
LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-275
LICENSE & DATE ISSUANCE....DPR-80, NOVEMBER 2, 1984
PUBLIC DOCUMENT ROOM.....ROBERT F. KENNEDY LIBRARY
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA. 93407

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

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 15 - DECEMBER 19, 1987 (REPORT NO. 50-275/87-42) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOWUP OF ONSITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 14-18, 1987 (REPORT NO. 50-275/87-43) AREAS INSPECTED: AN ANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF VARIOUS VITAL AREAS AND EQUIPMENT IN THE PLANT, AND FOLLOWUP OF ENFORCEMENT AND OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 20, 1987 - JANUARY 30, 1988 (REPORT NO. 50-275/87-44) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 19-22, 1988 (REPORT NO. 50-275/88-01) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ OPERATOR LICENSING EXAMINATIONS CONDUCTED DECEMBER 8-17, 1987 (REPORT NO. OL-87-02) WRITTEN EXAMINATIONS WERE ADMINISTERED ON DECEMBER 9, 1987, TO THREE SENIOR REACTOR OPERATOR CANDIDATES AND TO TWELVE REACTOR OPERATOR CANDIDATES. THE ORAL AND SIMULATOR

Report Period JAN 1988

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

* DIABLO CANYON 1 *

INSPECTION SUMMARY

EXAMINATIONS WERE ADMINISTERED TO THE CANDIDATES FROM DECEMBER 9-17, 1987. ALL CANDIDATES PASSED THE OPERATING AND WRITTEN EXAMINATIONS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT IS IN COMMERCIAL OPERATION, AT APPROXIMATELY 78% POWER AND IS IN COASTDOWN FOR SECOND REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 12/20/87 - 01/30/88+

INSPECTION REPORT NO: 50-275/87-44

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-20-L0	10-28-87	11-25-87	EXCEEDED TS 4.2.4.1 QUAD PWR TILT RATIO CAL FREQ 12 HRS 17.5 1ST INTERVAL
87-21-L0	11-13-87	12-11-87	UNIT AT 100% ACTUATION OF ESF FUEL HANDLING BUILDING VENTILATION SYSTEM SW TO IODINE REMOVAL
87-22-L0	11-04-87	12-04-87	RCS TEMP RECORDER IN CONTROL RM DECLARED INOP NO SEISMIC RESTRAINTS
87-23-L0	12-13-87	01-12-88	UNIT TRIPPED FROM 100% POWER LOW/LOW S/G TRIP FOLLOWING MFWP 1-1 TRIP
87-24-L0	12-13-87	01-12-88	UNIT IN MODE 3 REACTOR TRIP SOURCE RANGE CH N-32 POWER SUPPLY FAILURE
87-26-L0	12-17-87	01-19-88	MODE 1 (PWR OPERATION) ENTRY WHILE IN ACTION STATEMENT TS 3.6.2.2.A IN VIOLATION OF TS 3.0.4
87-27-L0	12-20-87	01-19-88	RADIATION MONITOR ALARM AND HOT PARTICLE CAUSED FUEL HANDLING BUILDING VENTILATION SYSTEM CHANGE

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1 Docket: 50-323 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: P. BEDESEM (805) 595-4097

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): 1137

8. Maximum Dependable Capacity (Net MWe): 1087

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

MDC REVISED DUE TO PLANT MODIFICATIONS.

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>16,557.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>13,659.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>13,229.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,477,205</u>	<u>2,477,205</u>	<u>41,739,192</u>
18. Gross Elec Ener (MWH)	<u>826,500</u>	<u>826,500</u>	<u>13,814,199</u>
19. Net Elec Ener (MWH)	<u>787,251</u>	<u>787,251</u>	<u>13,050,643</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>79.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>79.9</u>
22. Unit Cap Factor (MDC Net)	<u>97.3</u>	<u>97.3</u>	<u>72.5</u>
23. Unit Cap Factor (DER Net)	<u>94.6</u>	<u>94.6</u>	<u>70.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,505.4</u>

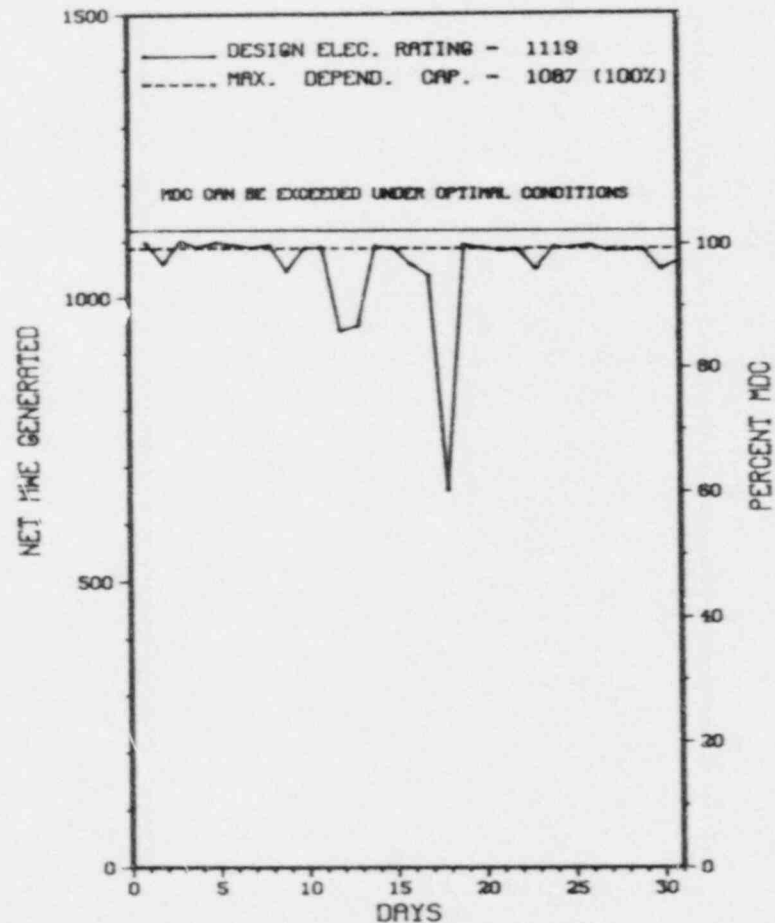
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 x DIABLO CANYON 2 x

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 DIABLO CANYON 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* DIABLO CANYON 2 *

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

* SUMMARY *

DIABLO CANYON 2 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR
SIGNIFICANT 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)

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...MARCH 13, 1984
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.....P. NARBUT
LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-323
LICENSE & DATE ISSUANCE...DPR-82, 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 NOVEMBER 15 - DECEMBER 19, 1987 (REPORT NO. 50-323/87-43) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOWUP OF ONSITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: TWO VIOLATIONS IN THE AREAS OF DESIGN CONTROL AND PROCEDURE ADHERENCE WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 14-18, 1987 (REPORT NO. 50-323/87-44) AREAS INSPECTED: AN ANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF VARIOUS VITAL AREAS AND EQUIPMENT IN THE PLANT, AND FOLLOWUP OF ENFORCEMENT AND OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OR NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 20, 1987 - JANUARY 30, 1988 (REPORT NO. 50-323/87-45) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 19-22, 1988 (REPORT NO. 50-323/88-01) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: D.C. MAXWELL (815) 942-2920 X 489

4. Licensed Thermal Power (Mwt): 2527

5. Nameplate Rating (Gross MWe): 920 X 0 = 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>744.0</u>	<u>744.0</u>	<u>155,328.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>117,316.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>111,837.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,676,892</u>	<u>1,676,892</u>	<u>229,695,715</u>
18. Gross Elec Ener (MWH)	<u>540,113</u>	<u>540,113</u>	<u>73,480,083</u>
19. Net Elec Ener (MWH)	<u>516,187</u>	<u>516,187</u>	<u>69,452,365</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>72.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>72.0</u>
22. Unit Cap Factor (MDC Net)	<u>89.9</u>	<u>89.9</u>	<u>57.9</u>
23. Unit Cap Factor (DER Net)	<u>87.4</u>	<u>87.4</u>	<u>56.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>7,157.0</u>

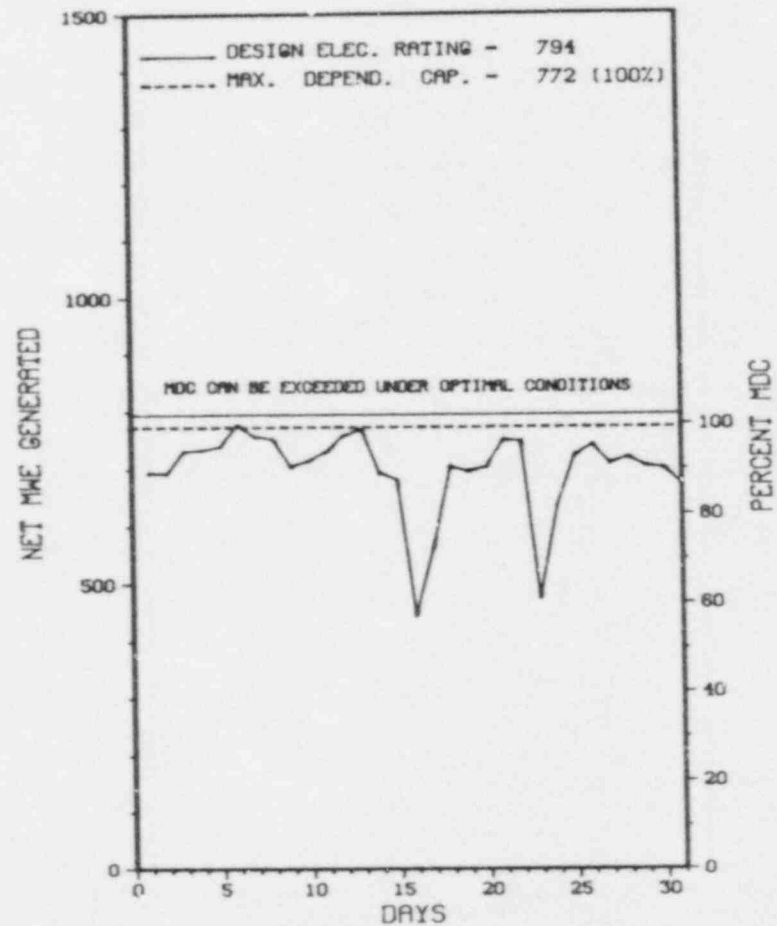
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

BATTERY DISCHARGE TEST - MAY 1988 - DURATION 7 DAYS.

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

* D R E S D E N 2 *

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



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

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

NONE

* SUMMARY *

DRESDEN 2 INCURRED NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS IN JANUARY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 JAN 1988

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.....S. DUPONT
LICENSING PROJ MANAGER.....M. GROTENHUIS
DOCKET NUMBER.....50-237
LICENSE & DATE ISSUANCE...DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF OCTOBER 23 THROUGH DECEMBER 8, 1987 (REPORT NOS. 50-237/87035(DRP); 50-249/87034(DRP)). ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS ON PREVIOUS INSPECTION ITEMS; OPERATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATION; FOLLOWUP OF EVENTS; LICENSEE EVENT REPORT FOLLOWUP; MANAGEMENT MEETING; REPORT REVIEW; I.E. INFORMATION NOTICES; MAINTENANCE; AND COMMISSIONERS TOUR. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS OF NRC REQUIREMENTS WERE IDENTIFIED IN 9 AREAS; ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA; HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.A., A NOTICE OF VIOLATION WAS NOT ISSUED (FAILURE TO PERFORM TECHNICAL SPECIFICATION FIRE BARRIER SURVEILLANCE WITHIN REQUIRED TIME PERIOD - PARAGRAPH 6).

INSPECTION ON NOVEMBER 16-19, 1987 (REPORTS NO. 50-237/87037(DRSS); NO. 50-249/87036(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE DRESDEN STATION'S EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY PLAN ACTIVATIONS; OPERATIONAL STATUS OF THE PROGRAM; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISION-MAKING; NOTIFICATION AND COMMUNICATIONS PROVISIONS; CHANGES TO THE PROGRAM; SHIFT STAFFING AND AUGMENTATION; TRAINING; AND AUDITS. THE INSPECTION INVOLVED FOUR NRC INSPECTORS. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON NOVEMBER 30 THROUGH DECEMBER 4, 1987 (REPORTS NO. 50-237/87038(DRS); NO. 249/87037(DRS)): ROUTINE, UNANNOUNCED INSPECTION OF THE EFFECTIVENESS OF THE LICENSEE'S TRAINING PROGRAM FOR LICENSED OPERATORS (MODULE 41701) AND NON-LICENSED STAFF (MODULE 41400). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATION WERE IDENTIFIED.

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: D.C. MAXWELL (815) 942-2920 X 489

4. Licensed Thermal Power (MWT): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

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

11. Reasons for Restrictions, If Any: _____
NONE

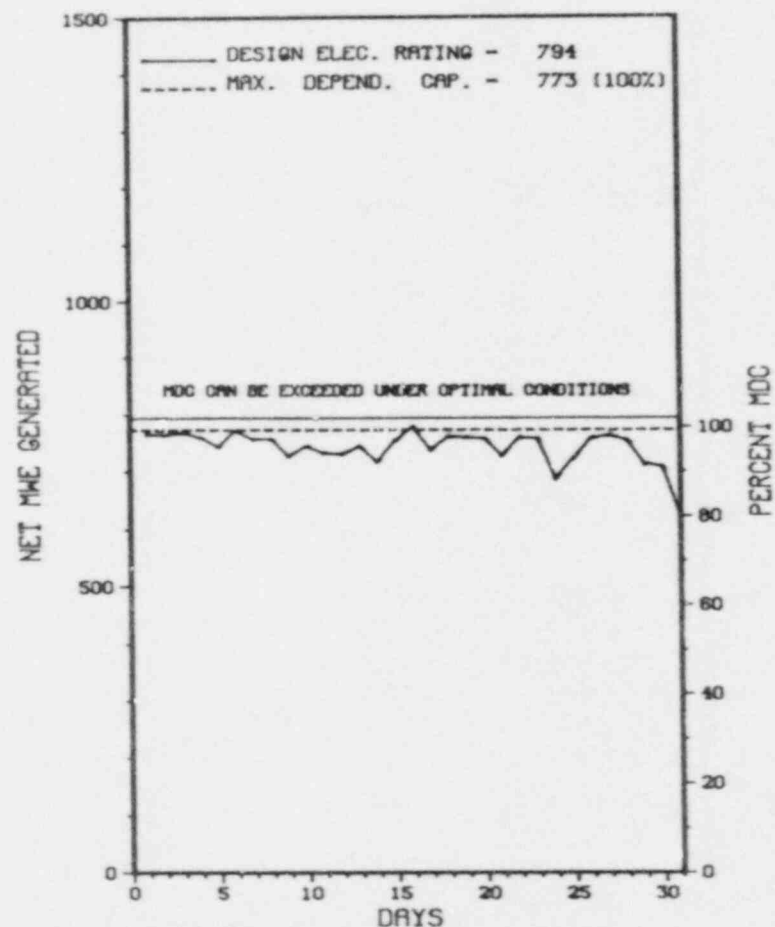
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>144,913.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>104,152.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>99,591.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,760,980</u>	<u>1,760,980</u>	<u>203,136,502</u>
18. Gross Elec Ener (MWH)	<u>574,896</u>	<u>574,896</u>	<u>65,606,138</u>
19. Net Elec Ener (MWH)	<u>551,358</u>	<u>551,358</u>	<u>62,129,178</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>68.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>95.9</u>	<u>95.9</u>	<u>55.5</u>
23. Unit Cap Factor (DER Net)	<u>93.3</u>	<u>93.3</u>	<u>54.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>9,463.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - MARCH 1988 - 15 WEEK DURATION.

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

X D R E S D E N 3 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
D R E S D E N 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

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

NONE

* SUMMARY *

DRESDEN 3 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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)

* DRESDEN 3 *

FACILITY DATA

Report Period JAN 1988

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.....M. GROTEHUIS
DOCKET NUMBER.....50-249
LICENSE & DATE ISSUANCE...DPR-25, MARCH 2, 1971
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF OCTOBER 23 THROUGH DECEMBER 8, 1987 (REPORT NOS. 50-237/87035(DRP); 50-249/87034(DRP)). ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS ON PREVIOUS INSPECTION ITEMS; OPERATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATION; FOLLOWUP OF EVENTS; LICENSEE EVENT REPORT FOLLOWUP; MANAGEMENT MEETING; REPORT REVIEW; I.E. INFORMATION NOTICES; MAINTENANCE; AND COMMISSIONERS TOUR. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS OF NRC REQUIREMENTS WERE IDENTIFIED IN 9 AREAS; ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA; HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.A., A NOTICE OF VIOLATION WAS NOT ISSUED (FAILURE TO PERFORM TECHNICAL SPECIFICATION FIRE BARRIER SURVEILLANCE WITHIN REQUIRED TIME PERIOD - PARAGRAPH 6).

INSPECTION ON NOVEMBER 16-19, 1987 (REPORTS NO. 50-237/87037(DRSS); NO. 50-249/87036(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE DRESDEN STATION'S EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY PLAN ACTIVATIONS; OPERATIONAL STATUS OF THE PROGRAM; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISION-MAKING; NOTIFICATION AND COMMUNICATIONS PROVISIONS; CHANGES TO THE PROGRAM; SHIFT STAFFING AND AUGMENTATION; TRAINING; AND AUDITS. THE INSPECTION INVOLVED FOUR NRC INSPECTORS. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON NOVEMBER 30 THROUGH DECEMBER 4, 1987 (REPORTS NO. 50-237/87038(DRS); NO. 249/87037(DRS)): ROUTINE, UNANNOUNCED INSPECTION OF THE EFFECTIVENESS OF THE LICENSEE'S TRAINING PROGRAM FOR LICENSED OPERATORS (MODULE 41701) AND NON-LICENSED STAFF (MODULE 41400). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATION WERE IDENTIFIED.

1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-Line Hrs: 744.0

3. Utility Contact: L. MILLER (319) 851-7204

4. Licensed Thermal Power (Mwt): 1658

Nameplate Rating (Gross MWe): 663 X 0.9 = 597

5. Design Electrical Rating (Net MWe): 538

6. Maximum Dependable Capacity (Gross MWe): 545

7. Maximum Dependable Capacity (Net MWe): 515

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

NONE

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

10. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>113,952.0</u>

13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>71,057.8</u>
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14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>172.8</u>
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15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>78,999.4</u>
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16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
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17. Gross Therm Ener (MWH)	<u>1,202,306</u>	<u>1,202,306</u>	<u>101,239,587</u>
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18. Gross Elec Ener (MWH)	<u>413,551</u>	<u>413,551</u>	<u>33,973,379</u>
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19. Net Elec Ener (MWH)	<u>393,000</u>	<u>393,000</u>	<u>31,836,328</u>
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20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>69.3</u>
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21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>69.3</u>
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22. Unit Cap Factor (MDC Net)	<u>102.6</u>	<u>102.6</u>	<u>54.2</u>
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23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>98.2</u>	<u>51.9</u>
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24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.0</u>
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25. Forced Outage Hours	<u>.0</u>	<u>0</u>	<u>13,917.7</u>
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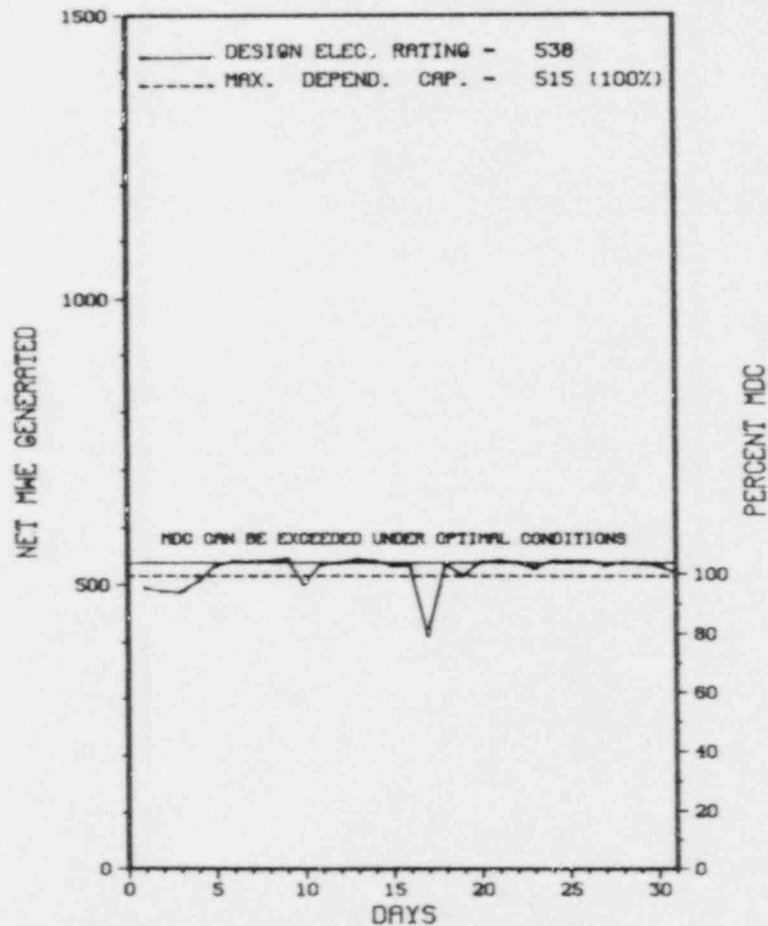
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 DUANE ARNOLD



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/16/88	S	0.0	B	5			WENT DOWN IN POWER TO PERFORM A CONTROL ROD SEQUENCE EXCHANGE.

* SUMMARY *

DUANE ARNOLD INCURRED 1 POWER REDUCTION IN JANUARY TO PERFORM A CONTROL ROD SEQUENCE EXCHANGE.

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

* DUANE ARNOLD *

FACILITY DATA

Report Period Jan 1988

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.....J. HALL
DOCKET NUMBER.....50-331

LICENSE & DATE ISSUANCE...DPR-49, FEBRUARY 22, 1974

PUBLIC DOCUMENT ROOM.....CEDAR RAPIDS PUBLIC LIBRARY
500 FIRST STREET, S.E.
CEDAR RAPIDS, IOWA 52401

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 20 - DECEMBER 7, 1987 (REPORT NO. 50-331/87030(DRP)): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION (IN PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, LICENSEE EVENT REPORTS, PART 21 REPORTS, GENERIC LETTERS, INFORMATION NOTICES AND COLD WEATHER OPERATIONS. NO VIOLATIONS WERE IDENTIFIED. ONE ITEM OF CONCERN WAS IDENTIFIED (RAG IN ELECTRO HYDRAULIC CONTROL SYSTEM).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DUANE ARNOLD X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: 010888

INSPECTION REPORT NO: 88004

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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1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 853

8. Maximum Dependable Capacity (Net MWe): 813

9. If Changes Occur Above Since Last Report, Give Reasons:
CHANGED DUE TO EVALUATION OF OPERATING EXPERIENCE.

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

11. Reasons for Restrictions, If Any: NONE

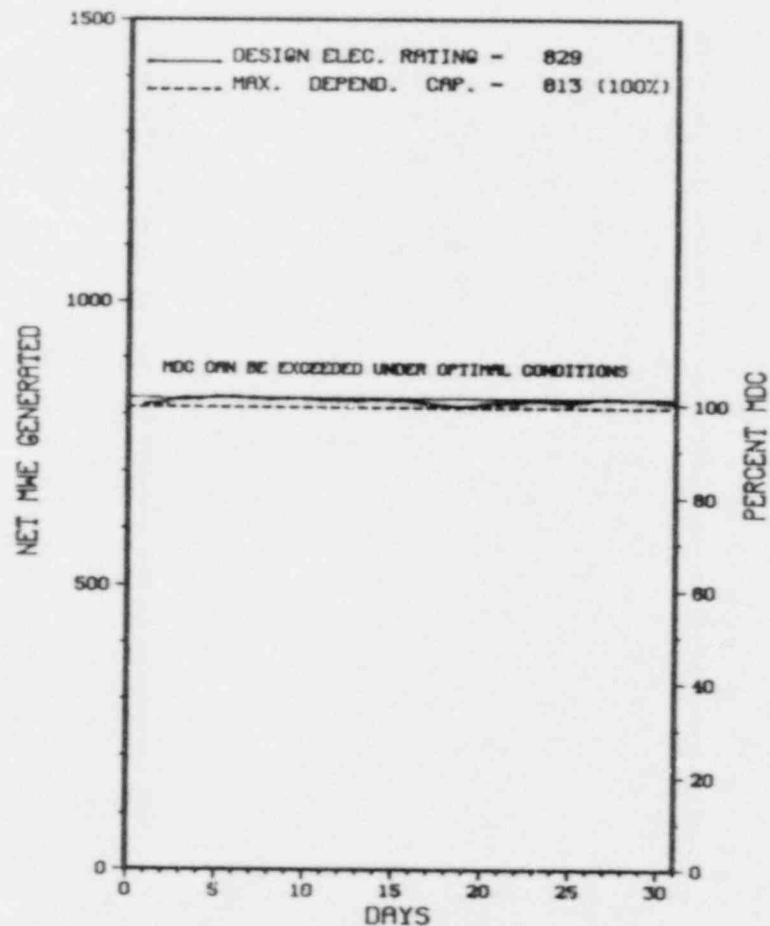
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>89,136.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>65,960.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>64,569.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>1,973,088</u>	<u>1,973,088</u>	<u>164,396,405</u>
18. Gross Elec Ener (MMH)	<u>645,200</u>	<u>645,200</u>	<u>52,711,536</u>
19. Net Elec Ener (MMH)	<u>613,570</u>	<u>613,570</u>	<u>49,782,766</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>72.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>72.4</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>101.4</u>	<u>69.4*</u>
23. Unit Cap Factor (DER Net)	<u>99.5</u>	<u>99.5</u>	<u>67.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>9.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,823.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE - MARCH 1988 - 7 WEEK DURATION.

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

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 1



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

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

NONE

* SUMMARY *

FARLEY 1 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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)

* FARLEY 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....HOUSTON
DIST AND LOCATION FROM
NEAREST POPULATED CTR...18 MI SE OF
DOTHAN, ALA
TYPE OF REACTOR.....PWR
DATE FIRST OPERATIONAL...AUGUST 9, 1977
DATE FIRST UNIT GENER...AUGUST 18, 1977
DATE FIRST COMM 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.....HOUSTON/LOVE MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36302

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 17-20 (87-32): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF CONTAINMENT LEAK RATE TESTING ON UNIT 2 INCLUDING OBSERVATION OF A PORTION OF THE TEST, EVALUATION OF PRELIMINARY TEST RESULTS, REVIEW OF CHANGES TO TEST PROCEDURE, REVIEW OF LOCAL LEAK RATE TEST RESULTS, AND FOLLOW-UP INSPECTION OF UNIT 1 OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 17, 1987 - JANUARY 11, 1988 (87-33): THIS ROUTINE, ONSITE INSPECTION INVOLVED A REVIEW OF PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, COLD WEATHER PREPARATION, ENGINEERED SAFETY SYSTEM, IEB NO. 87-02, LICENSEE EVENT REPORTS, AND FOLLOW-UP OF PLANT EVENTS. THERE WERE NO VIOLATIONS OR DEVIATIONS IDENTIFIED.

INSPECTION DECEMBER 12-16 (87-36): THIS SPECIAL ANNOUNCED INSPECTION WAS IN THE AREAS OF NONDESTRUCTIVE EXAMINATIONS (NDE) AND OTHER ACTIVITIES ASSOCIATED WITH EVENTS RELATED TO UNIT 2, SAFETY INJECTION SYSTEM (SIS), SIX INCH LINE, THROUGH WALL CRACK, AND ACTIONS TAKEN BY THE LICENSEE TO ASSURE THE INTEGRITY OF SIMILAR SYSTEMS IN UNITS 1 AND 2. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: DECEMBER 12-16, 1987 +

INSPECTION REPORT NO: 50-348/87-36 +

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): 864

8. Maximum Dependable Capacity (Net MWe): 823

9. If Changes Occur Above Since Last Report, Give Reasons:
CHANGED DUE TO EVALUATION OF OPERATING EXPERIENCE.

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

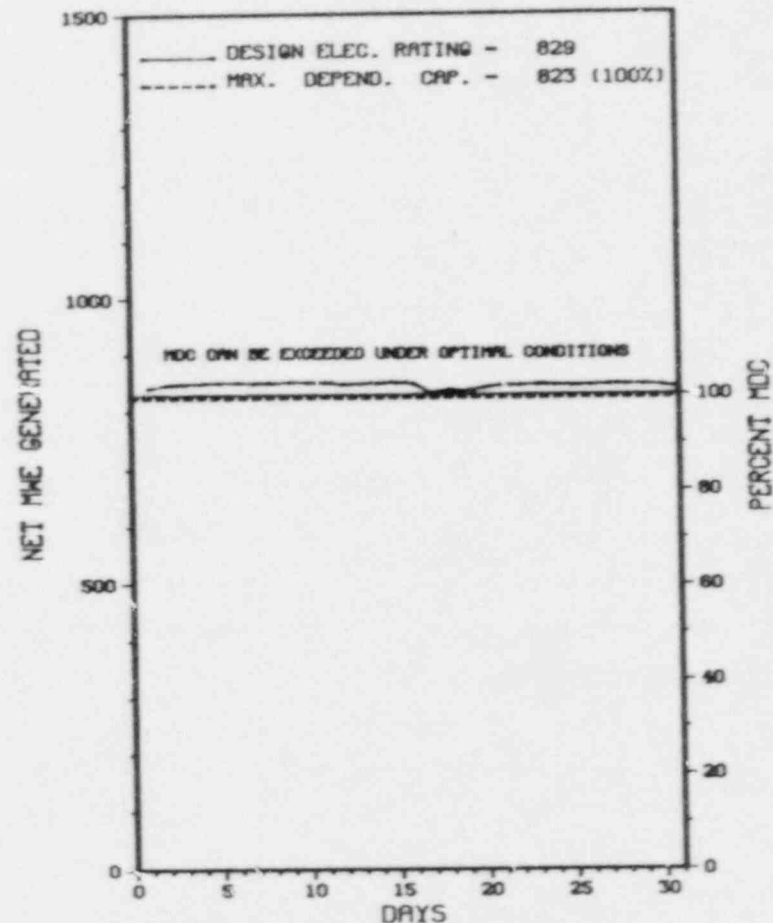
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>57,049.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>48,632.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>47,992.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,971,889</u>	<u>1,971,889</u>	<u>122,924,009</u>
18. Gross Elec Ener (MWH)	<u>659,612</u>	<u>659,612</u>	<u>39,862,706</u>
19. Net Elec Ener (MWH)	<u>629,332</u>	<u>629,032</u>	<u>37,780,770</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>84.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>84.1</u>
22. Unit Cap Factor (MDC Net)	<u>102.7</u>	<u>102.7</u>	<u>80.5</u>
23. Unit Cap Factor (DER Net)	<u>102.0</u>	<u>102.0</u>	<u>79.9</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>2,690.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

 * FARLEY 2 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FARLEY 2



JANUARY 1988

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

 * SUMMARY *

 FARLEY 2 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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-Fueling	3-Auto Scram	Preparation of
	D-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 JAN 1988

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.....IT
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.....HOUSTON/LOVE MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36302

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 17-20 (87-32): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF CONTAINMENT LEAK RATE TESTING ON UNIT 2 INCLUDING OBSERVATION OF A PORTION OF THE TEST, EVALUATION OF PRELIMINARY TEST RESULTS, REVIEW OF CHANGES TO TEST PROCEDURE, REVIEW OF LOCAL LEAK RATE TEST RESULTS, AND FOLLOW-UP INSPECTION OF UNIT 1 OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 17, 1987 - JANUARY 11, 1988 (87-33): THIS ROUTINE, ONSITE INSPECTION INVOLVED A REVIEW OF PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE OBSERVATION MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, COLD WEATHER PREPARATION, ENGINEERED SAFETY SYSTEM, IEB NO. 87-02, LICENSEE EVENT REPORTS, AND FOLLOWUP OF PLANT EVENTS. THERE WERE NO VIOLATIONS OR DEVIATIONS IDENTIFIED.

INSPECTION DECEMBER 12-16 (87-36): THIS SPECIAL ANNOUNCED INSPECTION WAS IN THE AREAS OF NONDESTRUCTIVE EXAMINATIONS (NDE) AND OTHER ACTIVITIES ASSOCIATED WITH EVENTS RELATED TO UNIT 2, SAFETY INJECTION SYSTEM (SIS), SIX INCH LINE, THROUGH WALL CRACK, AND ACTIONS TAKEN BY THE LICENSEE TO ASSURE THE INTEGRITY OF SIMILAR SYSTEMS IN UNITS 1 AND 2. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

1. Docket: 50-341 OPERATING STATUS

2. Reporting Period: 1/01/88 Outage + On-line Hrs: 206.0

3. Utility Contact: P. M. ANTHONY (313) 586-1617

4. Licensed Thermal Power (MWT): 3292

5. Nameplate Rating (Gross MWe): 1215

6. Design Electrical Rating (Net MWe): 1093

7. Maximum Dependable Capacity (Gross MWe): 1093

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>206.0</u>	<u>206.0</u>	<u>206.0</u>
13. Hours Reactor Critical	<u>206.0</u>	<u>206.0</u>	<u>206.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>206.0</u>	<u>206.0</u>	<u>206.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>608,852</u>	<u>608,852</u>	<u>608,852</u>
18. Gross Elec Ener (MWH)	<u>206,750</u>	<u>206,750</u>	<u>206,750</u>
19. Net Elec Ener (MWH)	<u>197,772</u>	<u>197,772</u>	<u>197,772</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>87.8</u>	<u>87.8</u>	<u>87.8</u>
23. Unit Cap Factor (DER Net)	<u>87.8</u>	<u>87.8</u>	<u>87.8</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>

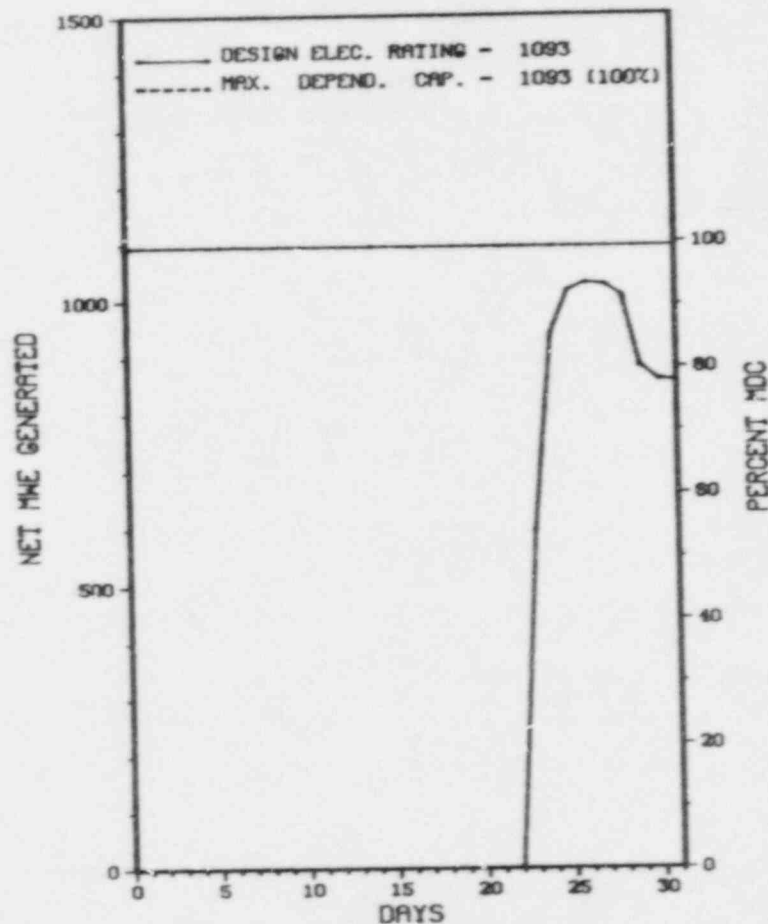
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

LLRT OUTAGE FEBRUARY 26, 1988. DURATION 45 DAYS.

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

 * FERM I 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FERMI 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* FERM I 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

* SUMMARY *

FERMI 2 BEGAN COMMERCIAL OPERATION ON JANUARY 23, 1988.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....MONROE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...LAGUNA BEACH, MICH

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 21, 1985

DATE ELEC ENER 1ST GENER...SEPTEMBER 21, 1986

DATE COMMERCIAL OPE:ATE...JANUARY 23, 1988

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE ERIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DETROIT EDISON

CORPORATE ADDRESS.....2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. ROGERS

LICENSING PROJ MANAGER.....T. QUAY
DOCKET NUMBER.....50-341

LICENSE & DATE ISSUANCE...NPF-43, JULY 15, 1985

PUBLIC DOCUMENT ROOM.....MONROE COUNTY LIBRARY SYSTEM
3700 SOUTH CUSTER ROAD
MONROE, MI. 48161

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 22-25 AND DECEMBER 23, 1987 (REPORT NO. 50-341/87040(DRS)): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S FIRE PROTECTION PROGRAM AND FIRE PROTECTION ORGANIZATION INCLUDING ACTION ON PREVIOUS INSPECTION FINDINGS, FIRE PROTECTION ORGANIZATION, ADMINISTRATIVE CONTROLS, FIRE PROTECTION SYSTEM INSPECTION, MAINTENANCE AND TEST PROGRAM, QUALITY ASSURANCE, FIRE PROTECTION TECHNICAL SPECIFICATION REVIEW, FIRE PROTECTION DEVIATION EVENT REPORT AND FIRE PROTECTION PROGRAM REQUIREMENTS (30703 AND 64704). OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN SIX AREAS. TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREAS, (FAILURE TO CONDUCT QUARTERLY FIRE BRIGADE CLASSROOM INSTRUCTION MEETINGS - PARAGRAPH 3; AND DISCOVERY OF THE CRITICAL DIESEL FIRE PUMP DISCHARGE VALVE (F007) IN THE UNLOCKED OPEN POSITION - PARAGRAPH 5).

INSPECTION ON NOVEMBER 16-20, 1987 (REPORT NO. 50-341/87047(DRSS)): ROUTINE, ANNOUNCED INSPECTION OF: (1) THE CHEMISTRY PROGRAM, INCLUDING PROCEDURES, ORGANIZATION, AND TRAINING; (2) WATER QUALITY CONTROL PROGRAMS; (3) QUALITY ASSURANCE/QUALITY CONTROL PROGRAM IN THE LABORATORY; AND (4) NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DURING DECEMBER 7-11, 1987 (REPORT NO. 50-341/87050(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES INCLUDING: ORGANIZATION AND MANAGEMENT CONTROL; TRAINING AND QUALIFICATION; EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS, AND MONITORING; FACILITIES AND EQUIPMENT; MAINTAINING OCCUPATIONAL EXPOSURES ALARA; AND LICENSEE'S ACTIONS ON PREVIOUS INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW PROCEDURAL REQUIREMENTS - SECTION 11).

1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. COOK (315) 349-6569

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): 794

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

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

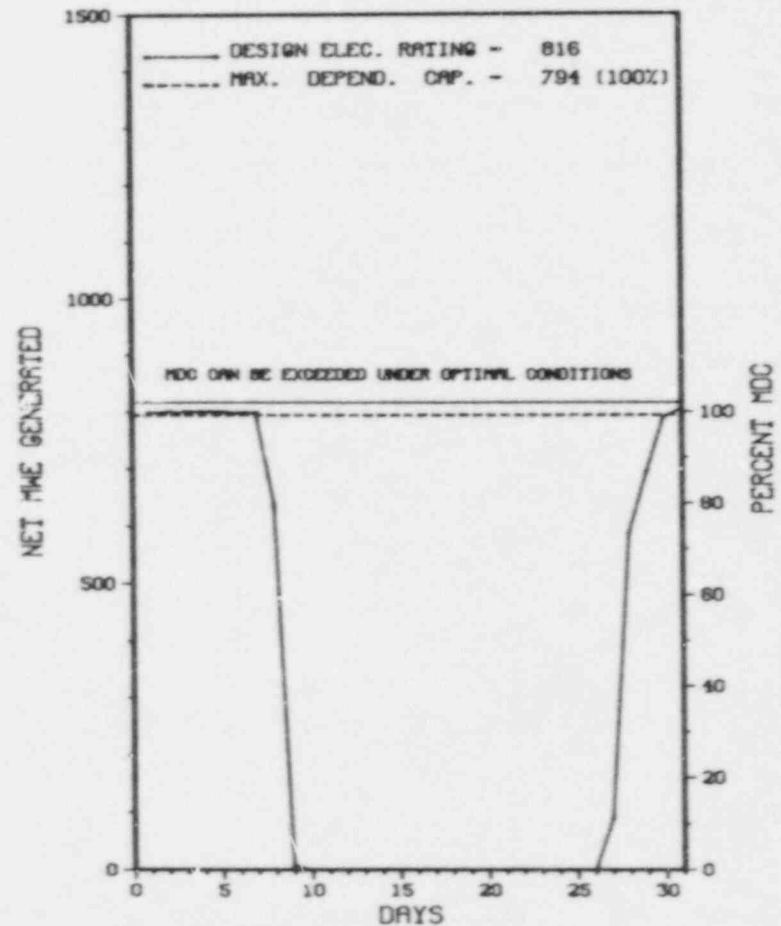
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>109,705.0</u>
13. Hours Reactor Critical	<u>362.3</u>	<u>362.3</u>	<u>80,015.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>322.9</u>	<u>322.9</u>	<u>77,676.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>737,928</u>	<u>737,928</u>	<u>167,964,244</u>
18. Gross Elec Ener (MWH)	<u>249,350</u>	<u>249,350</u>	<u>56,856,750</u>
19. Net Elec Ener (MWH)	<u>240,085</u>	<u>240,085</u>	<u>55,018,555</u>
20. Unit Service Factor	<u>43.4</u>	<u>43.4</u>	<u>70.8</u>
21. Unit Avail Factor	<u>43.4</u>	<u>43.4</u>	<u>70.8</u>
22. Unit Cap Factor (MDC Net)	<u>40.6</u>	<u>40.6</u>	<u>64.6*</u>
23. Unit Cap Factor (DER Net)	<u>39.5</u>	<u>39.5</u>	<u>61.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,337.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

 * FITZPATRICK *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FITZPATRICK



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X FITZPATRICK X
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/10/88	S	421.1	B	1				SHUTDOWN FOR CRD MAINTENANCE

XXXXXXXXXXXXXXXX FITZPATRICK 1 INCURRED 1 POWER OUTAGE IN JANUARY FOR CRD MAINTENANCE.
X SUMMARY X
XXXXXXXXXXXXXXXX

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)

* FITZPATRICK *

FACILITY DATA

Report Period JAN 1988

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-285 O P E R A T I N G S T A T U S
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: T. P. MATTHEWS (402) 536-4733
4. Licensed Thermal Power (MWh): 1500
5. Nameplate Rating (Gross MWe): 591 X 0.85 = 562
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

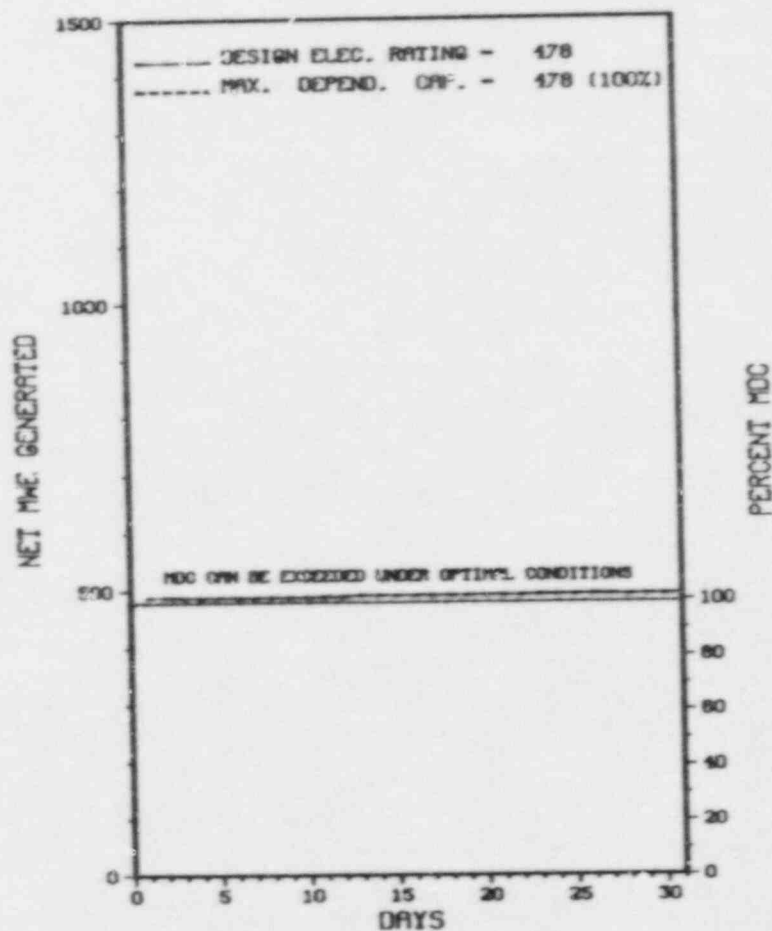
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>125,809.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>98,303.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>96,612.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,109,355</u>	<u>1,109,355</u>	<u>125,638,972</u>
18. Gross Elec Ener (MWH)	<u>381,356</u>	<u>381,356</u>	<u>41,666,132</u>
19. Net Elec Ener (MWH)	<u>364,312</u>	<u>364,312</u>	<u>39,508,380</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>102.4</u>	<u>102.4</u>	<u>67.8*</u>
23. Unit Cap Factor (DER Net)	<u>102.4</u>	<u>102.4</u>	<u>65.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,857.6</u>

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

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT CALHOUN 1



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* FORT CALHOUN 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

* SUMMARY *

FORT CALHOUN OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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)

INSPECTION SUMMARY

LICENSEE EVENT REPORT FOLLOWUP, OPERATIONAL SAFETY VERIFICATION, PLANT TOURS, SAFETY-RELATED SYSTEM WALKDOWNS, MONTHLY MAINTENANCE OBSERVATIONS, MONTHLY SURVEILLANCE OBSERVATIONS, SECURITY OBSERVATIONS, RADIOLOGICAL PROTECTION OBSERVATIONS, IN-OFFICE REVIEW OF PERIODIC AND SPECIAL REPORTS, FOLLOWUP ON AN ONSITE EVENT, COLD WEATHER PREPARATIONS, AND REVIEW OF THE LICENSEE'S PROGRAM FOR NATURAL CIRCULATION COOLDOWN. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DEC. 7-11, 1987 (87-34) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S LIQUID AND GASEOUS RADIOACTIVE WASTE MANAGEMENT PROGRAMS. WITHIN THE AREAS INSPECTED,

NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JAN. 4-8, 1988 (88-01) ROUTINE, UNANNOUNCED INSPECTION OF PHYSICAL BARRIERS - PA, SECURITY SYSTEMS POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL - PERSONNEL, DETECTION AIDS - PA, DETECTION AIDS - VA, ALARM STATIONS, AND COMPENSATORY MEASURES. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: JAN. 8, 1988

INSPECTION REPORT NO: 50-285/88-01

Report Period JAN 1988

REPORTS FROM LICENSEE

* FORT CALHOUN 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-034		12/10/87	SECURITY
87-035		12/11/87	SECURITY
87-037	11/11/87	12/23/87	DIESEL GENERATOR SURVEILLANCE TEST NOT IN CONFORMANCE WITH TECHNICAL SPECIFICATIONS
87-038	11/30/87	12/30/87	FAILURE OF CONTAINMENT ISOLATION VALVE TO MEET TECHNICAL SPECIFICATION REQUIREMENTS.

=====

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1. Docket: 50-267 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 842

5. Nameplate Rating (Gross MWe): 403 X 0.8^c = 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): 271

11. Reasons for Restrictions, If Any:
REANALYSIS OF SAFE SHUTDOWN COOLING.

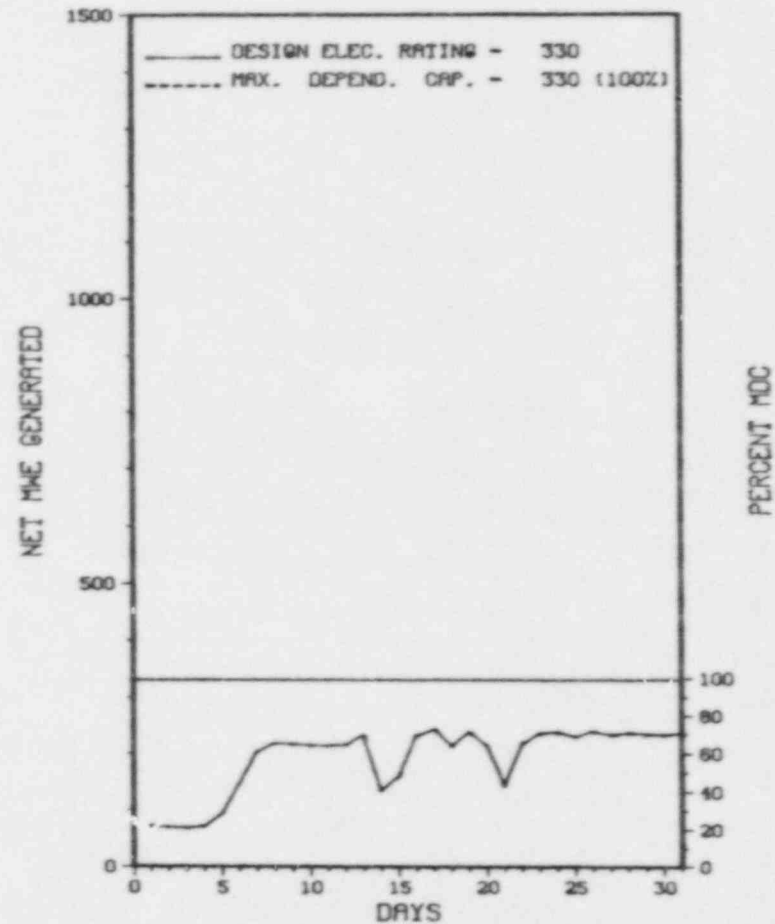
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>75,289.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>34,145.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>22,325.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>402,863</u>	<u>402,863</u>	<u>11,184,276</u>
18. Gross Elec Ener (MWH)	<u>151,431</u>	<u>151,431</u>	<u>3,693,945</u>
19. Net Elec Ener (MWH)	<u>143,462</u>	<u>143,462</u>	<u>3,272,437</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>29.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>29.7</u>
22. Unit Cap Factor (MDC Net)	<u>58.4</u>	<u>58.4</u>	<u>13.2</u>
23. Unit Cap Factor (DER Net)	<u>58.4</u>	<u>58.4</u>	<u>13.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>63.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>38,676.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REPAIRS - MARCH 12, 1988 - DURATION 96 DAYS.

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

 * FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FORT ST VRAIN



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
81-01	01/14/88	F	0.0	A	5		XX	FCV	C HELIUM CIRCULATOR TRIP AND POWER REDUCTION WHILE TROUBLESHOOTING FV-2272.
81-02	01/21/88	F	0.0	A	5		SB	PSF	POWER REDUCTION TO REPAIR LEAK IN LOOP 1 HOT REHEAT ATTEMPERATION LINE.

 * SUMMARY *

 FORT ST. VRAIN INCURRED 2 POWER REDUCTIONS IN JANUARY FOR REASONS STATED 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)

* FORT ST VRAIN *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO

COUNTY.....WELD

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

TYPE OF REACTOR.....HTGR

DATE INITIAL CRITICALITY...JANUARY 31, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...S. PLATTE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO

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

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

NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....R. FARRELL

LICENSING PROJ MANAGER....K. HEITNER
DOCKET NUMBER.....50-267

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

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CITY COMPLEX BUILDING
GREELEY, COLORADO 80631

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

INSPECTION SUMMARY

INSPECTION CONDUCTED OCT. 18 - NOV. 21, 1987 (87-25) ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE OBSERVATION MONTHLY MAINTENANCE OBSERVATION, SECURITY, RADIOLOGICAL PROTECTION, AND DESIGN CONTROL. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED NOV. 2-6, 1987 (87-29) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S MANAGEMENT EFFECTIVENESS, SECURITY ORGANIZATION, SECURITY AUDITS, RECORD AND REPORTS, TESTING AND MAINTENANCE, PHYSICAL BARRIERS - VITAL AREAS (VA), SECURITY SYSTEM POWER SUPPLY, ACCESS CONTROL - PACKAGES, ACCESS CONTROL - VEHICLES, ACCESS CONTROL - PERSONNEL, DETECTION AIDS - VA, ALARM STATIONS, COMMUNICATIONS, TRAINING AND QUALIFICATIONS, AND COMPENSATORY MEASURES. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED NOV. 16-20, 1987 (87-32) NONROUTINE, ANNOUNCED INSPECTION OF FIRE RECOVERY ACTIVITIES IN RESPONSE TO THE FIRE OF OCTOBER 2, 1987. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: NOV.21, 1987

INSPECTION REPORT NO: 50-267/87-25

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-028	12/07/87	01/06/88	DEFICIENT TEST PROCEDURE CAUSED RESERVE ACUCILIARY TRANSFORMER TRIP AND LOSS OF OUTSIDE ELECTRICAL POWER.
87-029	12/07/87	01/06/88	REACTOR SCPAM ACTUATION ON NEUTRON FLUX RATE OF CHANGE HIGH

=====

1. Docket: 50-244 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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):

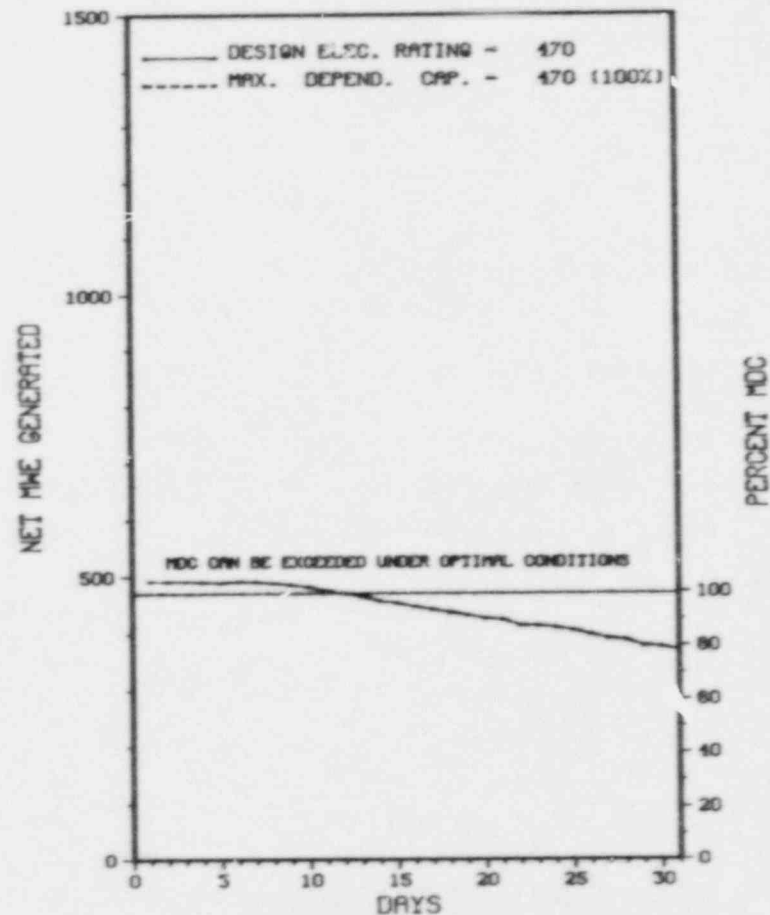
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>159,384.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>124,761.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>122,391.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>1,029,730</u>	<u>1,029,730</u>	<u>171,957,063</u>
18. Gross Elec Ener (MWH)	<u>348,384</u>	<u>348,384</u>	<u>56,475,970</u>
19. Net Elec Ener (MWH)	<u>330,114</u>	<u>330,114</u>	<u>53,541,399</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>94.4</u>	<u>94.4</u>	<u>72.9*</u>
23. Unit Cap Factor (DER Net)	<u>94.4</u>	<u>94.4</u>	<u>72.9*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,324.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* GINNA *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
GINNA



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* GINNA *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX GINNA OPERATED ROUTINELY DURING JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS
* SUMMARY * WHILE IN COASTDOWN FOR SCHEDULED REFUELING.
XXXXXXXXXXXX

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

* GINNA *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WAYNE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI NE OF
ROCHESTER, NY

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 8, 1969
DATE ELEC ENER 1ST GENER...DECEMBER 2, 1969
DATE COMMERCIAL OPERATE....JULY 1, 1970
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE ONTARIO

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ROCHESTER GAS & ELECTRIC

CORPORATE ADDRESS.....89 EAST AVENUE
ROCHESTER, NEW YORK 14604

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. COOK
LICENSING PROJ MANAGER.....C. STAHL
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 14610

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50 APPENDIX B, CRITERION XVI REQUIRES MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY, SUCH AS DEFICIENCIES ARE PROMPTLY IDENTIFIED AND CORRECTED. GINNA SATEION PROCEDURE A-1502, NONCONFORMANCE REPORTS, REV 10, SEC 3.1.3 AND SEC 3.4.6 STATES NONCONFORMANCE (DEFICIENCY IN CHARACTERISTICS) PERTAINING TO OPERATING EQUIPMENT OR EQUIPMENT IN A STANDBY MODE AVAILABLE FOR OPERATION SHALL BE REPORTED TO GINNA STATION SUPERINTENDENT. THE SUPERINTENDENT SHALL EVALUATE THE SAFETY IMPACT OF THE NONCONFORMANCE AND DETERMINE THE NEED AND IMPLEMENT ANY FURTHER CONTROLS." CONTRARY TO THE ABOVE ON SEPTEMBER 29, 1987 THE FUSE ANOMALIES IN ENGINEERING WORK REQUEST 3341AND INTEROFFICE MEMORANDUM DATED MARCH 15, 1986 REPORTED TO THE STATION SUPERINTENDENT, WERE NOT EVALUATED FOR THEIR SAFETY IMPACT. AS A RESULT, THESE DEFICIENCIES WERE NOT CORRECTED. SECTION 6.8.1 OF THE TS INCORPORATED IN LICENSE DR-61, PERTAINING TO THE HADDAM NECK PLANT REQUIRE THE LICENSEE TO MET OR EXCEED THE REQUIERMENTS IN SECTION 5.1 AND 5.2 OF ANSI N18.7-1976. SECTION 5.3.2(G) OF THIS STANDARD REQUIRE PROCEDURES TO CONTAIN "LIMITATIONS ON THE PARAMETERS BEING CONTROLLED" AND WHERE APPROPRIATE, "QUANTITATIVE CONTROL GUIDES SHOULD BE ESTABLISHED." CONTRARY TO THEABOVE, THE SPECIAL MAINTENANCE PROCEDURE SPC 10.7-723 TO PERFORM A FLOW TEST OF THE RESIDUAL HEAT REMOVAL (RHR) SYSTEM NEITHER CONTAINED ADEQUATE LIMITATIONS ON CONTROLLED PARAMETERS NOR PROVIDED APPROPRIATE QUALTITATIVE CONTROL GUIDES ARE EVIDENCED BY THE

1. Docket: 50-416 OPERATING STATUS
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: S. H. HOBBS (601) 969-2458
 4. Licensed Thermal Power (MWT): 3835
 5. Nameplate Rating (Gross MWe): 1373
 6. Design Electrical Rating (Net MWe): 1250
 7. Maximum Dependable Capacity (Gross MWe): 1190
 8. Maximum Dependable Capacity (Net MWe): 1142
 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>744.0</u>	<u>744.0</u>	<u>22,681.0</u>
13. Hours Reactor Critical	<u>546.6</u>	<u>546.6</u>	<u>16,257.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>428.7</u>	<u>428.7</u>	<u>15,551.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,350,921</u>	<u>1,350,921</u>	<u>50,546,593</u>
18. Gross Elec Ener (MWH)	<u>448,480</u>	<u>448,480</u>	<u>15,639,890</u>
19. Net Elec Ener (MWH)	<u>428,509</u>	<u>428,509</u>	<u>14,907,703</u>
20. Unit Service Factor	<u>57.6</u>	<u>57.6</u>	<u>68.6</u>
21. Unit Avail Factor	<u>57.6</u>	<u>57.6</u>	<u>68.6</u>
22. Unit Cap Factor (MDC Net)	<u>50.4</u>	<u>50.4</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>46.1</u>	<u>46.1</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>30.9</u>	<u>30.9</u>	<u>7.7</u>
25. Forced Outage Hours	<u>192.0</u>	<u>192.0</u>	<u>1,300.2</u>

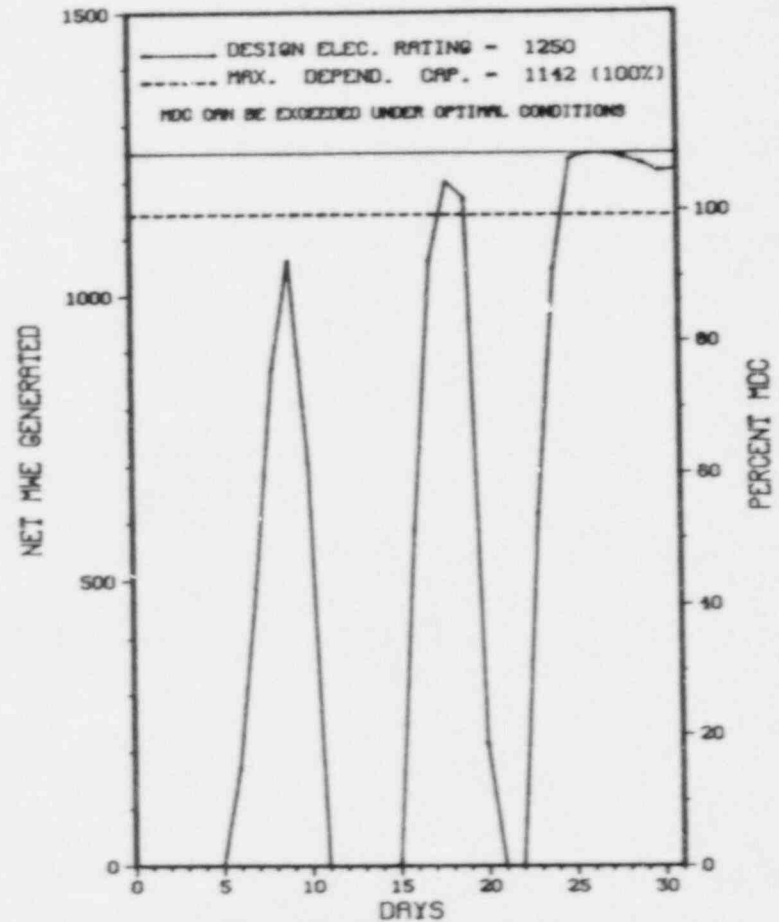
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 GRAND GULF 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
87-14	11/07/87	S	123.3	C	4				CONTINUED REFUELING OUTAGE
88-1	01/10/88	F	126.8	A	3	88-002	EL	XFMR	THE REACTOR SCRAMMED ON A TURBINE CONTROL VALVE FAST CLOSURE SIGNAL RECEIVED WHEN THE B-PHASE MAIN STEP-UP TRANSFORMER FAILED. THE TRANSFORMER HAD EXPERIENCED AN INTERNAL FAULT ON THE HIGH VOLTAGE SIDE. THE B PHASE TRANSFORMER WAS DISCONNECTED AND A SPARE TRANSFORMER CONNECTED TO THE B PHASE.
88-2	01/20/88	F	65.2	A	3	88-006	SG	COND	THE REACTOR SCRAMMED ON A REACTOR LOW WATER LEVEL FOLLOWING A TRIP OF THE CONDENSATE PUMPS, CONDENSATE BOOSTER PUMPS, AND REACTOR FEED PUMPS. A LEAKING MANWAY COVER GASKET ON THE "A" CIRCULATING WATER OUTLET FROM THE IP CONDENSER SPRAYED WATER ON THE HOTWELL LOW LEVEL SWITCHES TO SHORT AND TRIP THE CONDENSATE PUMPS. THE LEAKAGE PROBLEM ON THE "A" CIRCULATING WATER TRAIN WAS CORRECTED BY INSTALLING GASKETS INTO THE MANWAY COVER GROOVES. A DESIGN CHANGE IS UNDER DEVELOPMENT TO PROVIDE A LONG TERM CORRECTION TO THE PROBLEM. SPLASH COVERS WERE INSTALLED OVER THE IP HOTWELL LEVEL SWITCHES IN THE CONDENSER BAY.

 * SUMMARY *

 GRAND GULF 1 COMPLETED SCHEDULED REFUELING OUTAGE AND RETURNED TO POWER THEN INCURRED 2 OUTAGES THE REMAINING PART OF JANUARY.

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

INSPECTION DECEMBER 7-11 (87-37): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOW-UP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 14-17 (87-39): THIS SPECIAL UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF STANDBY SERVICE WATER AND CIRCULATING WATER SYSTEMS CHEMICAL CLEANING AND PLANT CHEMISTRY CONTROL. ONE VIOLATION WAS IDENTIFIED - FAILURE TO CONSIDER WELDS AND CREVICE REGIONS PRIOR TO PERFORMING CHEMICAL CLEANING OF THE STANDBY SERVICE WATER SYSTEM.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

IN STARTUP FOLLOWING REFUELING AND REPAIR OF NO. 10 MAIN GENERATOR BEARING.

LAST IE SITE INSPECTION DATE: DECEMBER 14-17, 1987 +

INSPECTION REPORT NO: 50-416/87-39 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-021	11/30/87	12/30/87	SHUTDOWN COOLING SUCTION VALVE ISOLATED DUE TO PERSONNEL ERROR
87-022	12/07/87	01/06/88	RWCU ISOLATION DUE TO BLOWN FUSE CAUSED BY WORKING CONDITION
87-023	12/08/87	01/07/88	INADVERTENT DIVISION II LOCA SIGNAL DURING RESTORATION FROM SURVEILLANCE PROCEDURE
87-024	12/12/87	01/18/88	RPS ACTUATION CAUSED BY PROCEDURAL ERROR
87-025	12/19/87	01/18/88	RPS ACTUATION CAUSED BY INCORRECT INSTALLATION OF FUSE DURING SURVEILLANCE

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1. Docket: 50-23 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. STANFORD (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

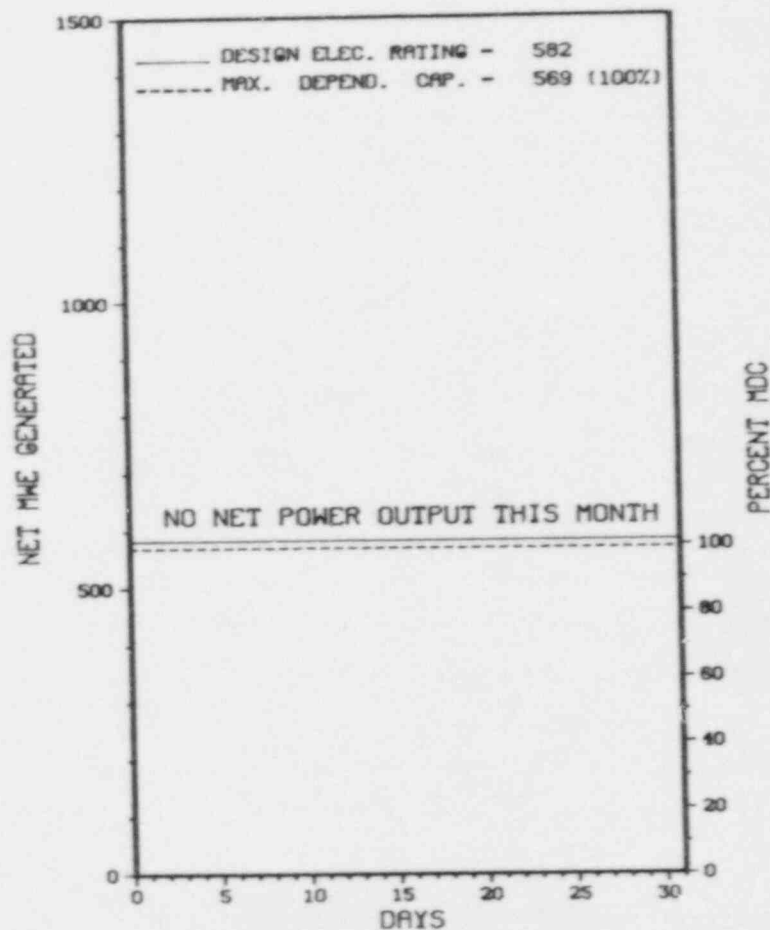
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>176,064.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>146,189.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>140,200.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>242,770,004</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>79,780,378</u>
19. Net Elec Ener (MWH)	<u>-2,127</u>	<u>-2,127</u>	<u>75,558,487</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>79.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>79.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>78.4*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>73.8*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,432.8</u>

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

27. If Currently Shutdown Estimated Startup Date: 03/02/88

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HADDAM NECK



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1968

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
87-03	07/18/87	S	744.0	C	4		RC	FUELXX	CONTINUATION OF CORE 14-15 REFUELING

***** HADDAM NECK REMAINED SHUTDOWN IN JANUARY FOR SCHEDULED 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)

* JADDAM NECK *

FACILITY DATA

Report Period JAN 1988

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. SWENLAND
LICENSING PROJ MANAGER.....A. WANG
DOCKET NUMBER.....50-213
LICENSE & DATE ISSUANCE...DPR-61, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....RUSSELL LIBRARY
123 BROAD STREET
MIDDLETOWN, CONNECTICUT 06457

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JAN 1988

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

* HADDAM NECK *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * HARRIS 1 *

LER	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-001	01/09/88	S	0.0	B	5		HA	VALVEX	LOAD REDUCED TO 70% TO PERFORM TURBINE VALVE TESTING. THE REQUIRED TESTS WERE COMPLETED AND THE UNIT WAS RETURNED TO FULL POWER.
88-002	01/17/88	S	0.0	H	5		HA	INSTRU	LOAD REDUCED TO 90% TO PLACE DEH FROM MANUAL TO AUTOMATIC TURBINE LOAD CONTROL. THE TURBINE LOAD CONTROL WAS PREVIOUSLY PLACED IN MANUAL TO PERFORM TROUBLESHOOTING ACTIVITIES ON THE DEH COMPUTER. THE TRANSFER WAS COMPLETED AND UNIT RETURNED TO FULL LOAD.
88-003	01/19/88	S	0.0	H	5		HA	INSTRU	LOAD REDUCTION TO 90% TO TRANSFER DEH FROM MANUAL TO AUTOMATIC TURBINE LOAD CONTROL.
88-004	01/21/88	F	0.0	A	5	88-003	HB	ELECON	LOAD REDUCTION TO 96% DUE TO THE CONDENSER STEAM DUMP VALVES OPENING DURING A MAINTENANCE SURVEILLANCE TEST.

***** HARRIS 1 INCURRED 4 LOAD REDUCTIONS IN JANUARY FOR REASONS STATED ABOVE.
 * SUMMARY *

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

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

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1. Docket: 50-400 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: MARK W. HALE (919) 362-2944

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 950

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 920

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

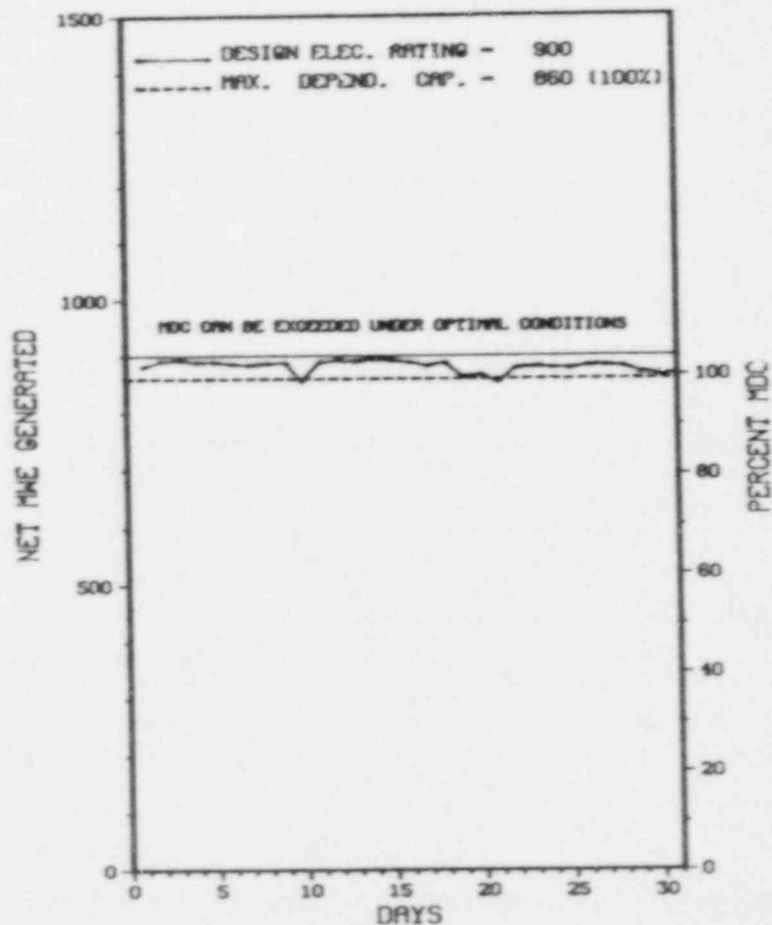
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>6,601.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>5,193.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>5,067.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,055,183</u>	<u>2,055,183</u>	<u>13,205,374</u>
18. Gross Elec Ener (MWH)	<u>699,112</u>	<u>699,112</u>	<u>4,364,330</u>
19. Net Elec Ener (MWH)	<u>655,623</u>	<u>655,623</u>	<u>4,034,452</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>102.5</u>	<u>102.5</u>	<u>71.1</u>
23. Unit Cap Factor (DER Net)	<u>97.9</u>	<u>97.9</u>	<u>67.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>9.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>503.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - JULY 16, 1988 - DURATION 8 WEEKS.

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

* HARRIS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HARRIS 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * HARRIS 1 *

IR	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-001	01/09/88	S	0.0	B	5		HA	VALVEX	LOAD REDUCED TO 70% TO PERFORM TURBINE VALVE TESTING. THE REQUIRED TESTS WERE COMPLETED AND THE UNIT WAS RETURNED TO FULL POWER.
88-002	01/17/88	S	0.0	H	5		HA	INSTRU	LOAD REDUCED TO 90% TO PLACE DEH FROM MANUAL TO AUTOMATIC TURBINE LOAD CONTROL. THE TURBINE LOAD CONTROL WAS PREVIOUSLY PLACED IN MANUAL TO PERFORM TROUBLESHOOTING ACTIVITIES ON THE DEH COMPUTER. THE TRANSFER WAS COMPLETED AND UNIT RETURNED TO FULL LOAD.
88-003	01/19/88	S	0.0	H	5		HA	INSTRU	LOAD REDUCTION TO 90% TO TRANSFER DEH FROM MANUAL TO AUTOMATIC TURBINE LOAD CONTROL.
88-004	01/21/88	F	0.0	A	5	88-003	HB	ELECON	LOAD REDUCTION TO 96% DUE TO THE CONDENSER STEAM DUMP VALVES OPENING DURING A MAINTENANCE SURVEILLANCE TEST.

***** HARRIS 1 INCURRED 4 LOAD REDUCTIONS IN JANUARY FOR REASONS STATED ABOVE.
 * SUMMARY *

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

* HARRIS 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....WAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI SW OF
RALEIGH, NC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 5, 1987
DATE ELEC ENER 1ST GENER...JANUARY 19, 1987
DATE COMMERCIAL OPERATE...MAY 2, 1987
CONDENSER COOLING METHOD...NDCT
CONDENSER COOLING WATER...MAKEUP RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....336 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27602
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....G. MAXWELL
LICENSING PROJ MANAGER.....B. DUCKLEY
DOCKET NUMBER.....50-400
LICENSE & DATE ISSUANCE...NPF-63, JANUARY 12, 1987
PUBLIC DOCUMENT ROOM.....RICHARD B. HARRISON LIBRARY
1315 NEW BERN AVE.
RALEIGH, N. C., 27610

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 19-24 - NOVEMBER 2-6 (87-38): THIS SPECIAL, ANNOUNCED QUALITY VERIFICATION INSPECTION WAS CONDUCTED IN THE AREAS OF MAINTENANCE, DESIGN CONTROL, OPERATIONS ELECTRICAL, INSTRUMENT AND CONTROL AND QUALITY ASSURANCE/QUALITY CONTROL. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW MAINTENANCE AND ENGINEERING PROCEDURES, FAILURE TO FOLLOW AMSI N45.2.11-1974, SECTIONS 3.1 AND 4.1.

INSPECTION OCTOBER 27 - NOVEMBER 27 (87-40): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED INSPECTION IN THE AREAS OF FOLLOWUP ON ITEMS OF NONCOMPLIANCE, IE BULLETINS, OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE OBSERVATION, AND MONTHLY MAINTENANCE OBSERVATION. THREE VIOLATIONS WERE IDENTIFIED, "REPEAT VIOLATIONS OF BREACH OF CONTAINMENT INTEGRITY", "FAILURE TO FOLLOW OPERATIONS PROCEDURES", AND "FAILURE TO TAKE PROMPT CORRECTIVE ACTION ON CONDITIONS ADVERSE TO QUALITY". ADDITIONAL EXAMPLES OF A PREVIOUS VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-001	01/02/88	S	0.0	H	5		RB	CONROD	ROD SEQUENCE EXCHANGE.

* SUMMARY *

HATCH 1 INCURRED 1 LOAD REDUCTION IN JANUARY FOR ROD SEQUENCE EXCHANGE.

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

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....L. CROCKER
 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 31513

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 21 - DECEMBER 18 (87-33): THIS ROUTINE INSPECTION WAS CONDUCTED AT THE SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, ANNUAL EMERGENCY EXERCISE, PREPARATION FOR REFUELING, AND FOLLOW-UP ON NRC COMPLIANCE BULLETIN. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO LICENSE CONDITION 2.C.(3), THE LICENSEE DID NOT IMPLEMENT IN EFFECT THE DOCUMENTATION AND RECORDS MANAGEMENT PROVISIONS OF THE FIRE PROTECTION PROGRAM, THREE EXAMPLES WERE GIVEN. CONTRARY TO LICENSE CONDITION 2.C.(3), THE LICENSEE DID NOT IMPLEMENT IN EFFECT THE FIRE BRIGADE DRILL PROVISIONS OF THE FIRE PROTECTION PROGRAM CONTAINED IN ADMINISTRATIVE PROCEDURE 40AC-FPX-007-0 (DELETED 4/6/87) AND 40AC-ENG-008-05, EXAMPLE GIVEN. CONTRARY TO LICENSE CONDITION 2.C.(3), THE LICENSEE DID NOT IMPLEMENT IN EFFECT THE DOCUMENTATION AND RECORDS MANAGEMENT PROVISIONS OF THE FIRE PROTECTION PROGRAM, THREE EXAMPLES WERE GIVEN. CONTRARY TO LICENSE CONDITION 2.C.(3), THE LICENSEE DID NOT IMPLEMENT IN EFFECT THE FIRE BRIGADE DRILL PROVISIONS OF THE FIRE PROTECTION PROGRAM CONTAINED IN ADMINISTRATIVE PROCEDURE 40AC-FPX-007-0 (DELETED 4/6/87) AND 40AC-ENG-008-05. EXAMPLE GIVEN. (8705 4)

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. H. RICHARDSON (912) 367-7781 X2878

4. Licensed Thermal Power (MWh): 2436

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 784

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 768

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

EVALUATION OF UNIT OPERATION BY SCS

10. Power Level To Which Restricted, If Any (Net MWe): 596

11. Reasons for Restrictions, If Any: _____

ADMINISTRATIVE - TO LIMIT OFFGAS ACTIVITY

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>73,705.0</u>
13. Hours Reactor Critical	<u>295.9</u>	<u>295.9</u>	<u>52,987.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>290.6</u>	<u>290.6</u>	<u>50,864.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>513,016</u>	<u>513,016</u>	<u>109,251,339</u>
18. Gross Elec Ener (MWH)	<u>170,830</u>	<u>170,830</u>	<u>35,925,930</u>
19. Net Elec Ener (MWH)	<u>158,690</u>	<u>158,690</u>	<u>34,203,202</u>
20. Unit Service Factor	<u>39.1</u>	<u>39.1</u>	<u>69.0</u>
21. Unit Avail Factor	<u>39.1</u>	<u>39.1</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>27.8</u>	<u>27.8</u>	<u>60.4</u>
23. Unit Cap Factor (DER Net)	<u>27.2</u>	<u>27.2</u>	<u>59.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,583.8</u>

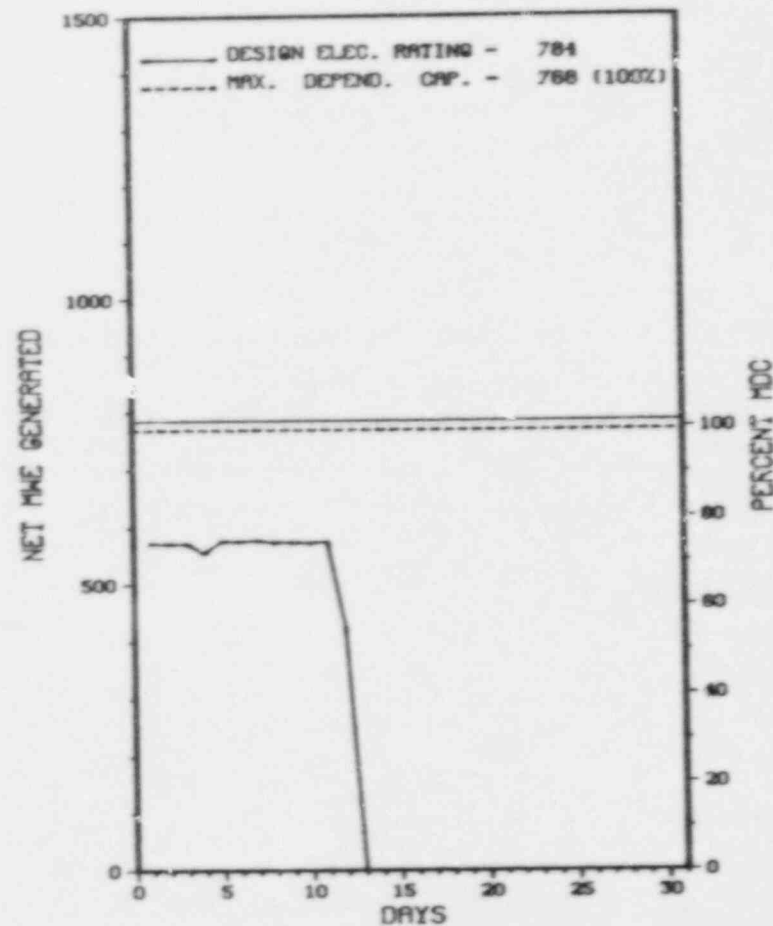
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 03/17/88

 * HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 HATCH 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-001	01/12/88	S	0.0	C	5		RC	FUELXX	POWER REDUCTION FOR UNIT SHUTDOWN. (REFUELING OUTAGE).
88-002	01/13/88	S	453.4	C	2		RC	FUELXX	UNIT SHUTDOWN FOR REFUELING OUTAGE.

***** HATCH 2 HAD POWER REDUCTION FOR UNIT SHUTDOWN FOR SCHEDULED REFUELING OUTAGE STARTING JANUARY 13.
 * SUMMARY *

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

* HATCH 2 *

FACILITY DATA

Report Period JAN 1988

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.....353 PIEDMONT AVENUE
ATLANTA, GEORGIA 30508
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.....L. CROCKER
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 31513

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

INSPECTION SUMMARY

* INSPECTION NOVEMBER 21 - DECEMBER 18 (87-33): THIS ROUTINE INSPECTION WAS CONDUCTED AT THE SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, ANNUAL EMERGENCY EXERCISE, PREPARATION FOR REFUELING, AND FOLLOW-UP ON NRC COMPLIANCE BULLETIN. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: NOVEMBER 21 - DECEMBER 18, 1987 +

INSPECTION REPORT NO: 50-366/87-33 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-016	12/31/87	01/18/88	SURVEILLANCE SUPERVISOR MAKES INCORRECT ASSUMPTION RESULTING IN MISSED SURVEILLANCE TEST

1. Docket: 50-354 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-5400

4. Licensed Thermal Power (Mwt): 3293

5. Nameplate Rating (Gross MWe): 1.18

6. Design Electrical Rating (Net MWe): 1067

7. Maximum Dependable Capacity (Gross MWe): 1118

8. Maximum Dependable Capacity (Net MWe): 1067

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>744.0</u>	<u>744.0</u>	<u>9,792.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>8,602.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-line	<u>744.0</u>	<u>744.0</u>	<u>8,489.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,440,287</u>	<u>2,440,287</u>	<u>26,248,854</u>
18. Gross Elec Ener (MWH)	<u>819,520</u>	<u>819,520</u>	<u>8,731,284</u>
19. Net Elec Ener (MWH)	<u>788,217</u>	<u>788,217</u>	<u>8,351,131</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>86.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>86.7</u>
22. Unit Cap Factor (MDC Net)	<u>99.3</u>	<u>99.3</u>	<u>79.9</u>
23. Unit Cap Factor (DER Net)	<u>99.3</u>	<u>99.3</u>	<u>79.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>760.6</u>

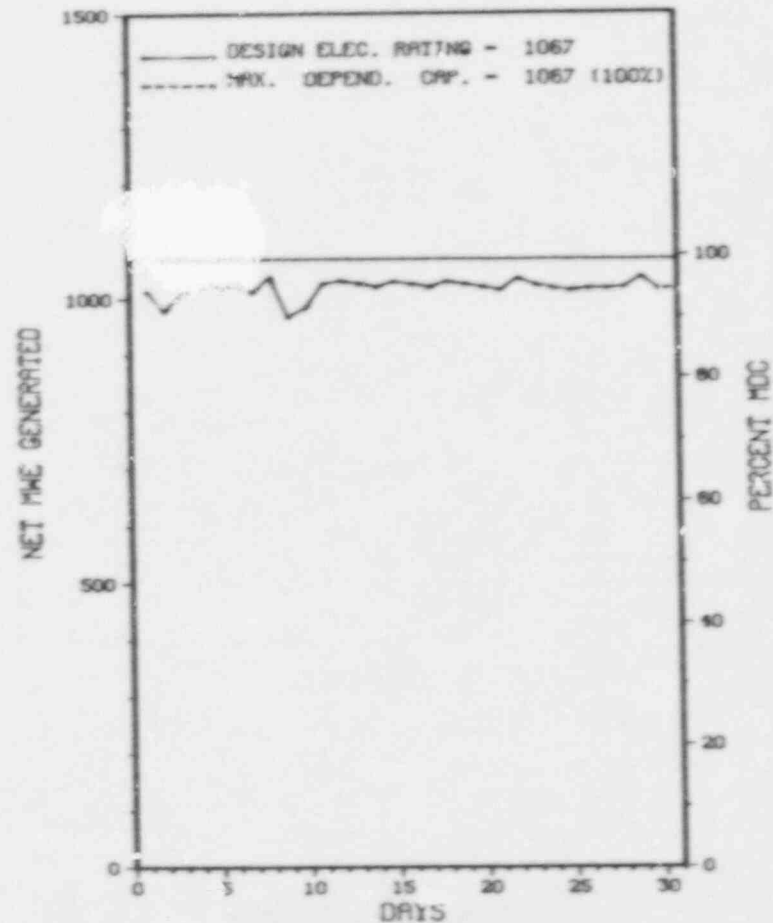
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING - 2/12/88 - 55 DAYS.

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

 * HOPE CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 HOPE CREEK 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* HOPE CREEK 1 *

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

NONE

* SUMMARY * HOPE CREEK OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR
***** SIGNIFICANT POWER REDUCTIONS.

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

* HOPE CREEK 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 MI SE OF
WILMINGTON, DEL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 28, 1986
DATE ELEC ENER 1ST GENER...AUGUST 1, 1986
DATE COMMERCIAL OPERATE...DECEMBER 20, 1986
CONDENSER COOLING METHOD...NDCT
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.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....
LICENSING PROJ MANAGER.....G. RIVENBARK
DOCKET NUMBER.....50-354
LICENSE & DATE ISSUANCE...NPF-57, JULY 25, 1986
PUBLIC DOCUMENT ROOM.....PENNSVILLE PUBLIC LIBRARY
190 SOUTH BROADWAY
PENNSVILLE, N. J. 08070

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

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

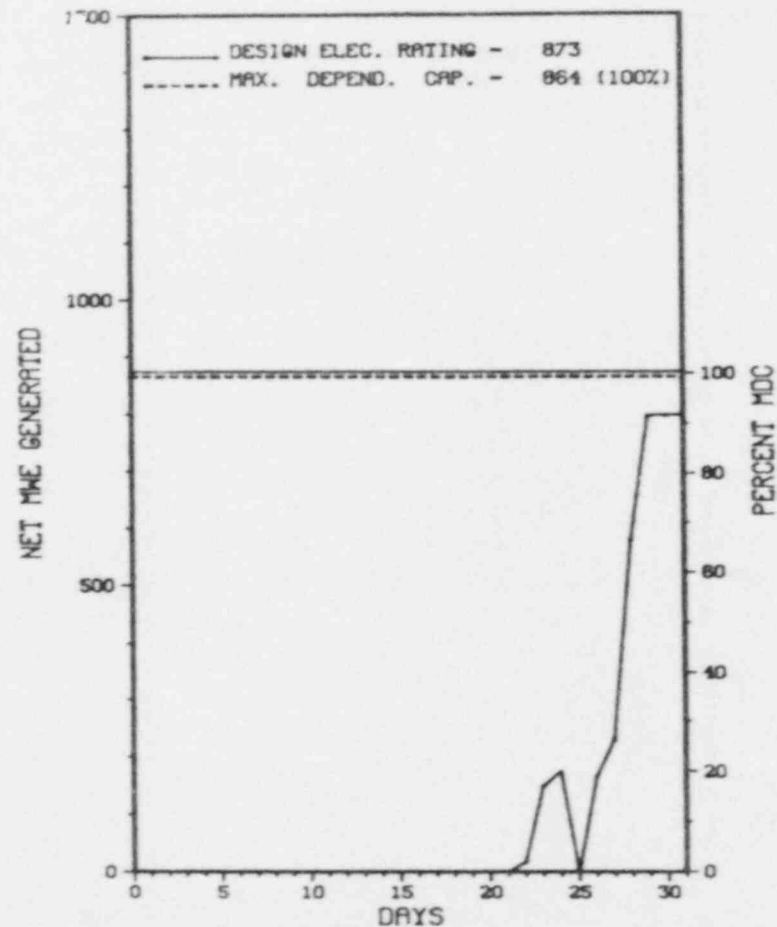
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>119,113.0</u>
13. Hours Reactor Critical	<u>289.4</u>	<u>289.4</u>	<u>80,908.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,867.6</u>
15. Hrs Generator On-Line	<u>203.8</u>	<u>203.8</u>	<u>78,600.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>323,811</u>	<u>323,811</u>	<u>205,166,681</u>
18. Gross Elec Ener (MWH)	<u>95,130</u>	<u>95,130</u>	<u>63,708,686</u>
19. Net Elec Ener (MWH)	<u>77,334</u>	<u>77,334</u>	<u>60,213,122</u>
20. Unit Service Factor	<u>27.4</u>	<u>27.4</u>	<u>66.0</u>
21. Unit Avail Factor	<u>27.4</u>	<u>27.4</u>	<u>66.0</u>
22. Unit Cap Factor (MDC Net)	<u>12.0</u>	<u>12.0</u>	<u>59.5*</u>
23. Unit Cap Factor (DER Net)	<u>11.9</u>	<u>11.9</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>7.8</u>	<u>7.8</u>	<u>8.7</u>
25. Forced Outage Hours	<u>17.2</u>	<u>17.2</u>	<u>7,275.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE AND TESTING - 2/9/88 - 3 DAY DURATION.

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 2



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	10/05/87	S	518.9	C	4		XX	XXXXXX	CYCLE 8/9 REFUELING OUTAGE
1	01/25/88	S	4.1	B	9		HA	TURBIN	MAIN TURBINE OVERSPEED TRIP TEST
2	01/25/88	F	17.2	G	3	88-002	RB	XXXXXX	OPERATOR ERROR

 * SUMMARY *

 INDIAN POINT 2 ENTERED THE MONTH OF JANUARY IN SCHEDULED REFUELING OUTAGE,
 SUBSEQUENTLY RETURNED TO POWER AND INCURRED 2 OUTAGES 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)

* INDIAN POINT 2 *

FACILITY DATA

Report Period JAN 1988

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

IF RESIDENT INSPECTOR.....L. ROSSBACH

LICENSING PROJ MANAGER.....M. SLOSSON
DOCKET NUMBER.....50-247

LICENSE & DATE ISSUANCE...DPR-26, SEPTEMBER 28, 1973

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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.

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.			

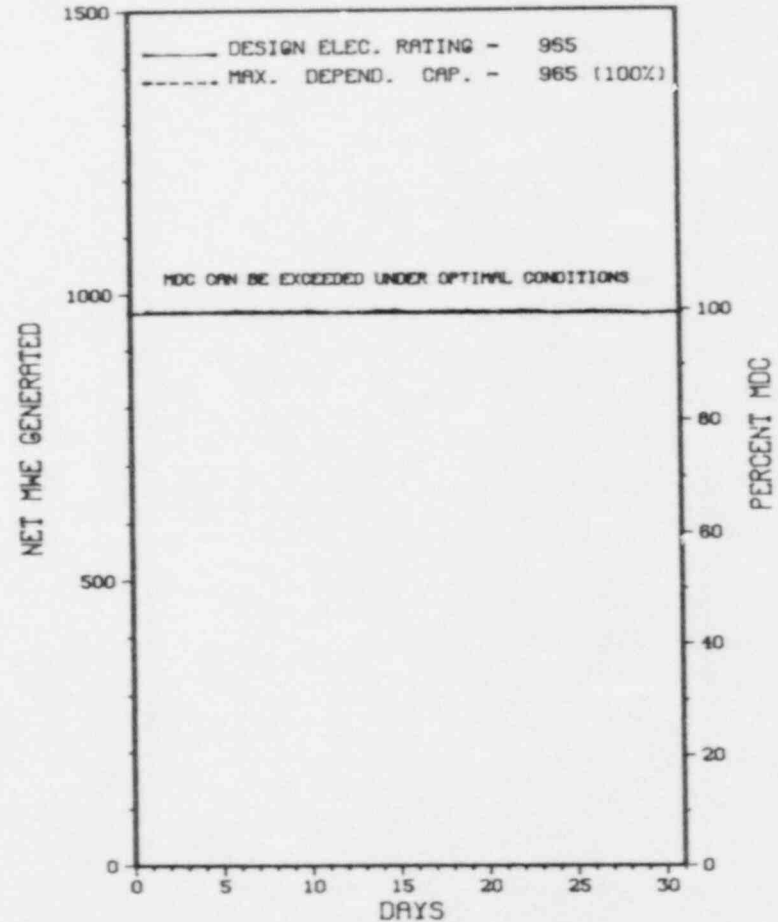
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1. Docket: 50-286 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: L. KELLY (914) 739-8200
4. Licensed Thermal Power (MWt): 3025
5. Nameplate Rating (Gross MWe): 1126 X 0.9 = 1013
6. Design Electrical Rating (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>744.0</u>	<u>744.0</u>	<u>100,129.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>60,089.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>58,209.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,250,242</u>	<u>2,250,242</u>	<u>154,262,385</u>
18. Gross Elec Ener (MWH)	<u>745,050</u>	<u>745,050</u>	<u>49,123,106</u>
19. Net Elec Ener (MWH)	<u>720,018</u>	<u>720,018</u>	<u>47,110,576</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>58.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>58.1</u>
22. Unit Cap Factor (MDC Net)	<u>100.3</u>	<u>100.3</u>	<u>48.8</u>
23. Unit Cap Factor (DER Net)	<u>100.3</u>	<u>100.3</u>	<u>48.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>18.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,089.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>MAINTENANCE - MAY 1988 - 2 WEEK DURATION,</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 3 *

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

NONE

* SUMMARY *

INDIAN POINT 3 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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)

* INDIAN POINT 3 *

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

Report Period JAN 1988

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.....J. 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.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. RUITER (414) 388-2560 X225

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

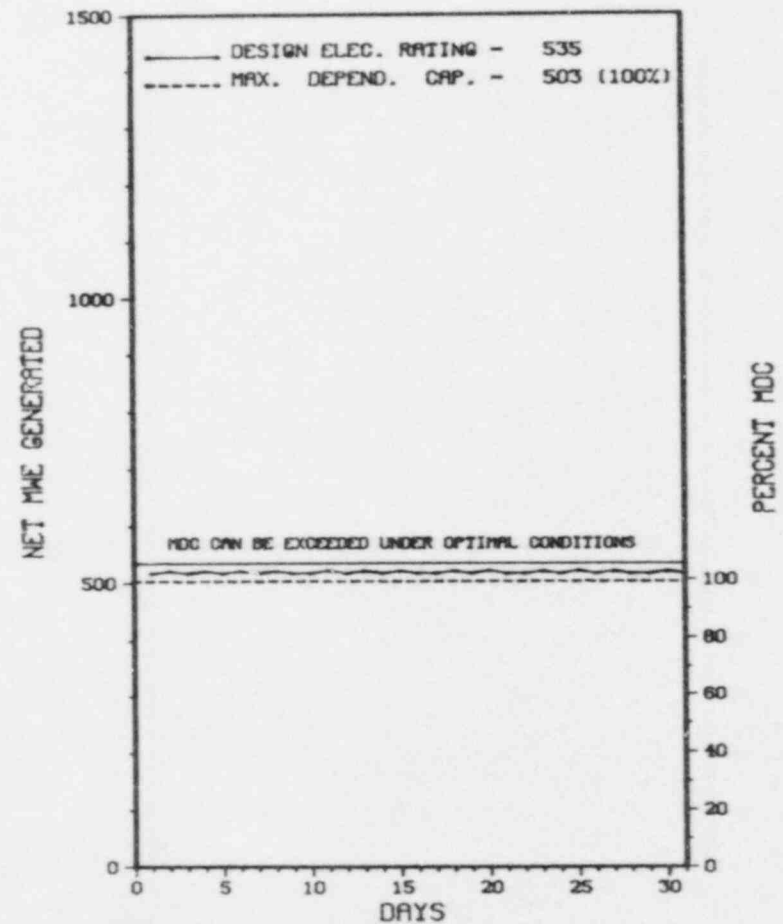
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>119,473.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>102,206.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>100,625.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,217,528</u>	<u>1,217,528</u>	<u>158,637,402</u>
18. Gross Elec Ener (MWH)	<u>404,300</u>	<u>404,300</u>	<u>52,391,400</u>
19. Net Elec Ener (MWH)	<u>386,153</u>	<u>386,153</u>	<u>49,890,663</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>84.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>84.2</u>
22. Unit Cap Factor (MDC Net)	<u>103.2</u>	<u>103.2</u>	<u>81.0*</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>97.0</u>	<u>78.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,838.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - MARCH 4, 1988 - DURATION 6 WEEKS.

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

* KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
KEWAUNEE



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* KEWAUNEE *

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

NONE

* SUMMARY *

KEWAUNEE OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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-Refuclng	3-Auto Scram	Preparation of
	D-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 JAN 1988

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

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

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-373 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. J. KIRCHNER (815) 357-6761 X 705

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): 1025

11. Reasons for Restrictions, If Any:
ADMINISTRATIVE

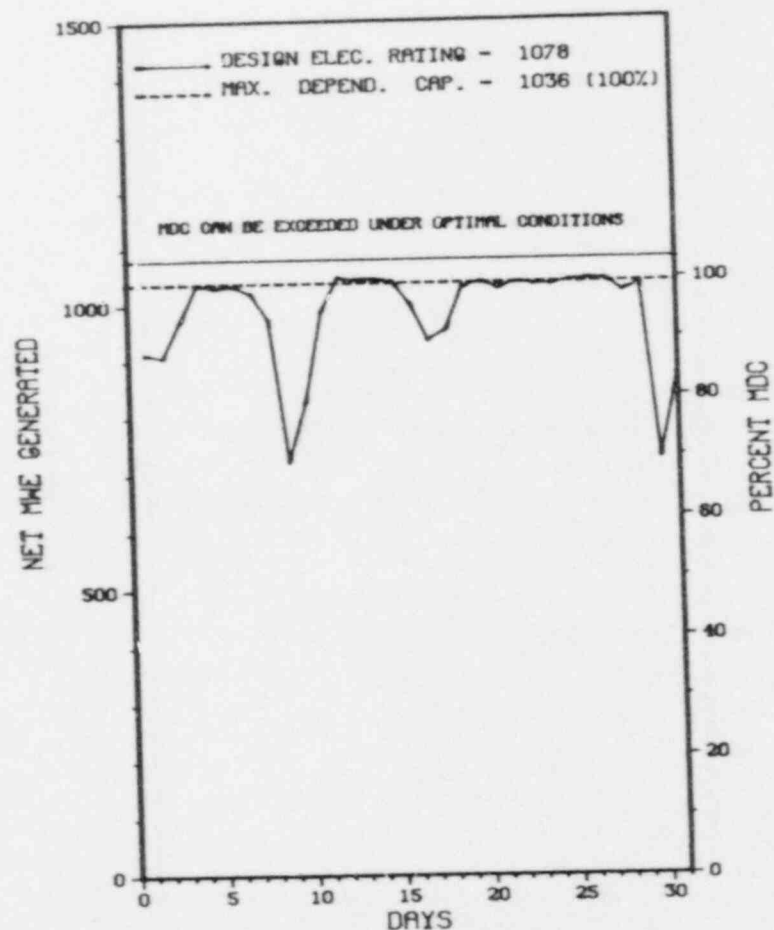
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>35,808.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>20,787.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>20,172.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>2,233,488</u>	<u>2,233,488</u>	<u>60,203,804</u>
18. Gross Elec Ener (MWH)	<u>755,786</u>	<u>755,786</u>	<u>17,723,045</u>
19. Net Elec Ener (MWH)	<u>730,250</u>	<u>730,250</u>	<u>16,840,038</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>56.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>56.3</u>
22. Unit Cap Factor (MDC Net)	<u>94.7</u>	<u>94.7</u>	<u>45.4</u>
23. Unit Cap Factor (DER Net)	<u>91.0</u>	<u>91.0</u>	<u>43.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,264.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - MARCH 31, 1988 - 15 WEEK DURATION.

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

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
LASALLE 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LE ^r Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/08/88	S	0.9	B	5				MSIV SURVEILLANCES AND ROD SET.
2	01/30/88	S	0.0	B	5				ROD SET.

 * SUMMARY *

 LASALLE 1 INCURRED 2 POWER REDUCTIONS IN JANUARY FOR REASONS STATED 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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training & License Examination		

* LASALLE 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LA SALLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI SE OF
OTTAWA, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 21, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 4, 1982
DATE COMMERCIAL OPERATE...JANUARY 1, 1984
CONDENSER COOLING METHOD...POND
CONDENSER COOLING WATER...RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. JORDAN
LICENSING PROJ MANAGER....P. SHEMANSKI
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 61348

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

INSPECTION SUMMARY

INSPECTION ON DECEMBER 14-17, 1987 (REPORT NOS. 50-373/87036(DRSS); 50-374/87035(DRSS): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING ASPECTS OF THE LASALLE STATION'S EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY PLAN ACTIVATIONS; OPERATIONAL STATUS OF THE PROGRAM; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATION AND COMMUNICATIONS PROVISIONS; CHANGES TO THE PROGRAM; SHIFT STAFFING AND AUGMENTATION; TRAINING; AND AUDITS. THE INSPECTION INVOLVED THREE NRC INSPECTORS. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. J. KIRCHNER (815) 357-6761 X 704

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

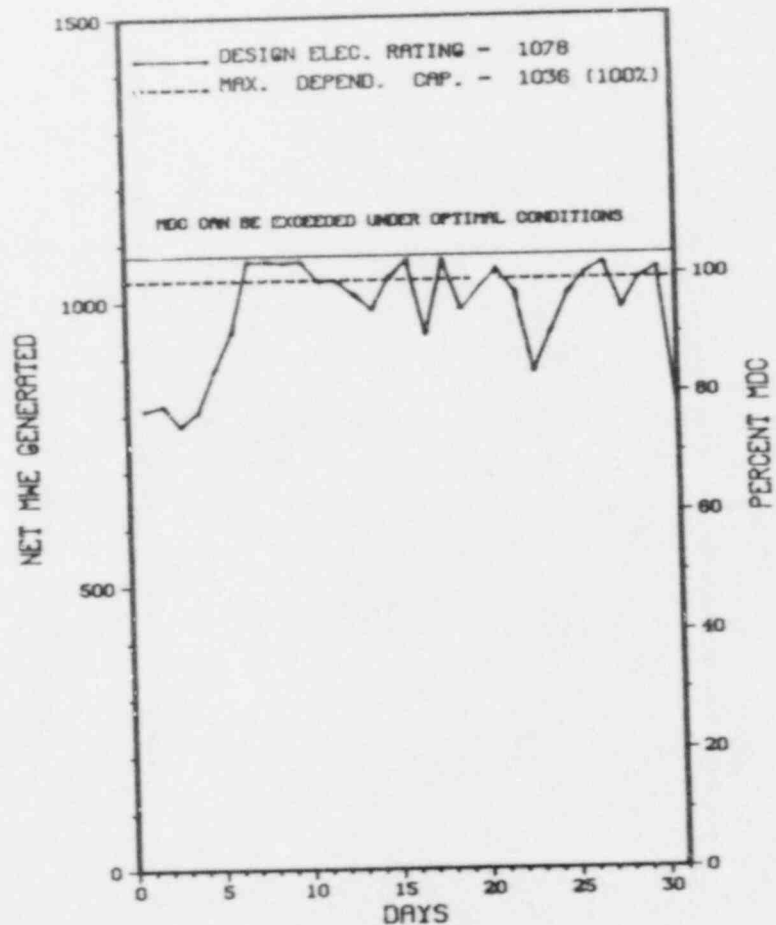
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>28,800.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>17,528.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,716.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>17,216.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,247,120</u>	<u>2,247,120</u>	<u>50,042,175</u>
18. Gross Elec Ener (MWH)	<u>753,086</u>	<u>753,086</u>	<u>16,561,297</u>
19. Net Elec Ener (MWH)	<u>727,007</u>	<u>727,007</u>	<u>15,809,530</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>59.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>59.8</u>
22. Unit Cap Factor (MDC Net)	<u>94.3</u>	<u>94.3</u>	<u>53.0</u>
23. Unit Cap Factor (DER Net)	<u>90.6</u>	<u>90.6</u>	<u>50.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>19.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,099.8</u>

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

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

X LASALLE 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT
LASALLE 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/31/88	S	0.0	B	5			LOAD DROP FOR LOAD ADJUSTMENTS.

* SUMMARY *

LASALLE 2 INCURRED 1 POWER REDUCTION IN JANUARY AS STATED 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)

* LASALLE 2 *

FACILITY DATA

Report Period JAN 1988

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....P. SHEMANSKI
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 61348

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

INSPECTION SUMMARY

INSPECTION ON DECEMBER 14-17, 1987 (REPORT NOS. 50-373/87036(DR.S); 50-374/87035(DRSS): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING ASPECTS OF THE LASALLE STATION'S EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY PLAN ACTIVATIONS; OPERATIONAL STATUS OF THE PROGRAM; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATION AND COMMUNICATIONS PROVISIONS; CHANGES TO THE PROGRAM; SHIFT STAFFING AND AUGMENTATION; TRAINING; AND AUDITS. THE INSPECTION INVOLVED THREE NRC INSPECTORS. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATING AT FULL POWER.

LAST IE SITE INSPECTION DATE: 03/22/88

INSPECTION REPORT NO: 88004

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

=====			

1. Docket: 50-352 OPERATING STATUS
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: R. W. GROPP (215) 841-5058
 4. Licensed Thermal Power (MWh): 3293
 5. Nameplate Rating (Gross MWe): 1138
 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>744.0</u>	<u>744.0</u>	<u>17,520.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>13,588.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>13,306.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,442,142</u>	<u>2,442,142</u>	<u>41,338,523</u>
18. Gross Elec Ener (MWH)	<u>793,520</u>	<u>793,520</u>	<u>13,492,930</u>
19. Net Elec Ener (MWH)	<u>765,469</u>	<u>765,469</u>	<u>12,933,306</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.5</u>	<u>97.5</u>	<u>70.0</u>
23. Unit Cap Factor (DER Net)	<u>97.5</u>	<u>97.5</u>	<u>70.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>491.9</u>

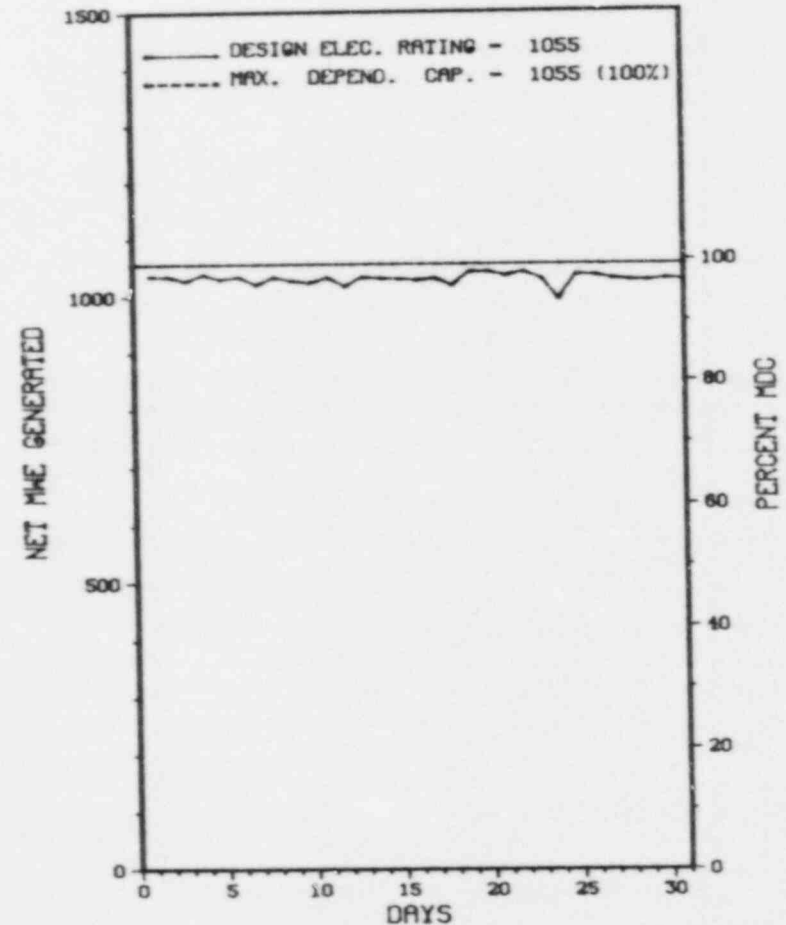
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

*****XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X LIMERICK 1 X
 *****XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 LIMERICK 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* LIMERICK 1 *

Id. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

NOTE

* SUMMARY *

LIMERICK 1 OPERATED ROUTINELY IN JANUARY WITH NO POWER OUTAGES OR SIGNIFICANT 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)

* LIMERICK 1 *

FACILITY DATA

Report Period JAN 1988

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....D. CLARK
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.

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   DATE OF   SUBJECT
      EVENT   REPORT
-----
NO INPUT PROVIDED.
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1. Docket: 50-309 O P E R A T I N G S T A T U S

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. M. TAYLOR (207) 882-6321

4. Licensed Thermal Power (MHT): 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>744.0</u>	<u>744.0</u>	<u>133,500.6</u>
13. Hours Reactor Critical	<u>727.9</u>	<u>727.9</u>	<u>106,580.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>714.8</u>	<u>714.8</u>	<u>103,373.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,871,151</u>	<u>1,871,151</u>	<u>236,231,485</u>
18. Gross Elec Ener (MWH)	<u>591,920</u>	<u>590,920</u>	<u>77,479,650</u>
19. Net Elec Ener (MWH)	<u>571,541</u>	<u>571,541</u>	<u>74,046,490</u>
20. Unit Service Factor	<u>96.1</u>	<u>96.1</u>	<u>77.4</u>
21. Unit Avail Factor	<u>96.1</u>	<u>96.1</u>	<u>77.4</u>
22. Unit Cap Factor (MDC Net)	<u>94.8</u>	<u>94.8</u>	<u>70.1*</u>
23. Unit Cap Factor (DER Net)	<u>93.1</u>	<u>93.1</u>	<u>68.3*</u>
24. Unit Forced Outage Rate	<u>3.9</u>	<u>3.9</u>	<u>7.7</u>
25. Forced Outage Hours	<u>29.2</u>	<u>29.2</u>	<u>7,739.8</u>

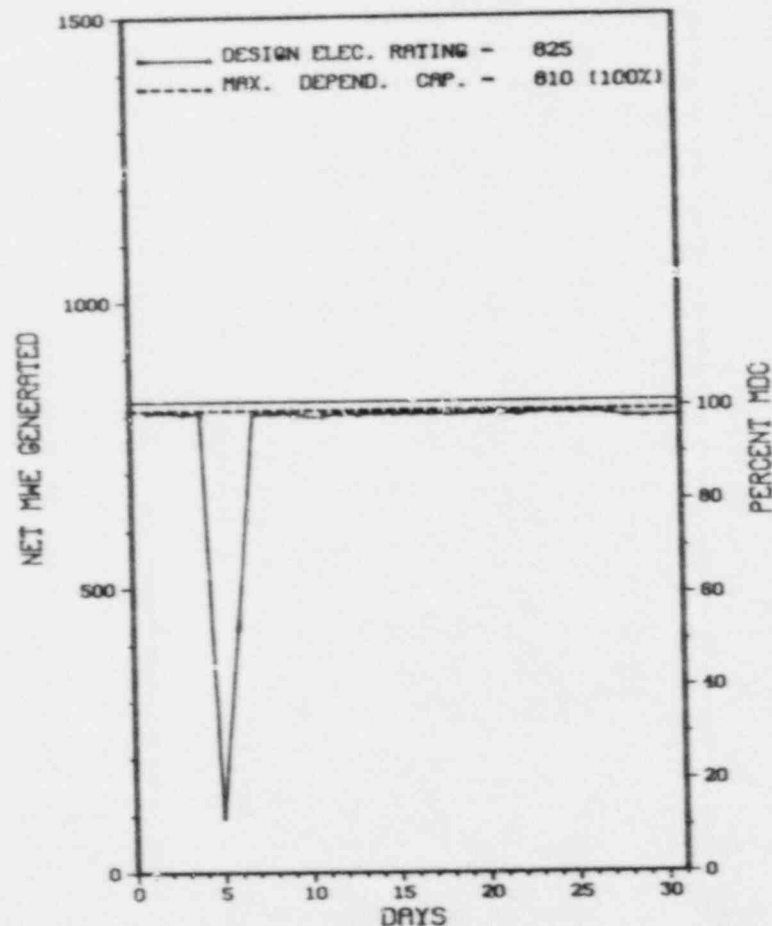
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MAINE YANKEE



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
268810	01/05/88	F	29.2	A	3	88-001	HH	INSTRU	FAILED DRAIN TANK LEVEL SWITCH TRIPPED HEATER DRAIN TANK PUMP CAUSING TRIP OF TURBINE FEED PUMP, WHICH TRIPS MAIN GENERATOR. REACTOR TRIPPED ON LOSS OF LOAD. LEVEL SWITCH WAS REPAIRED.

* SUMMARY *

MAINE YANKEE INCURRED 1 FORCED OUTAGE IN JANUARY FOR REASONS STATED 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)

* MAINE YANKEE *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE

COUNTY.....LINCOLN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI N OF
BATH, ME

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 23, 1972

DATE ELEC ENER 1ST GENER...NOVEMBER 8, 1972

DATE COMMERCIAL OPERATE...DECEMBER 28, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...BACK RIVER

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER

CORPORATE ADDRESS.....83 EDISON DRIVE
AUGUSTA, MAINE 04366

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. HOLDEN

LICENSING PROJ MANAGER.... P. SEARS
DOCKET NUMBER.....50-309

LICENSE & DATE ISSUANCE... DPR-36, JUNE 29, 1973

PUBLIC DOCUMENT ROOM.....WISCASSET PUBLIC LIBRARY
HIGH STREET
WISCASSET, MAINE 04578

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50.49 PARAGRAPHS (F) AND (G) REQUIRE THAT EACH ITEM OF ELECTRICAL EQUIPMENT IMPORTANT TO SAFETY BE QUALIFIED AND THAT QUALIFICATION MUST BE COMPLETED AT A TIME NO LATER THAN NOVEMBER 30, 1985. CONTRARY TO THE ABOVE ON JULY 24, 1987, THE QUALIFICATION OF VEAM-LITTON CONNECTORS WAS NOT ESTABLISHED AT THE TIME OF THIS INSPECTION IN THAT (1) THE DATA OF THE TYPE TEST RESULTS COULD NOT BE PROVIDED AT THE TIME OF THE INSPECTION TO VERIFY THE QUALIFICATION OF THE CONNECTORS USED FOR THERMOCOUPLE CIRCUITS, AND (2) THERE WAS NO SIMILARITY ANALYSIS BETWEEN THE TESTED SPECIMENS AND THE INSTALLED CONNECTORS IN THE QUALIFICATION FILE.
(8701 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period JAN 1988

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

* MAINE YANKEE *

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			

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1. Bucket: 50-369 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1129

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

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

11. Reasons for Restrictions, If Any:
NONE

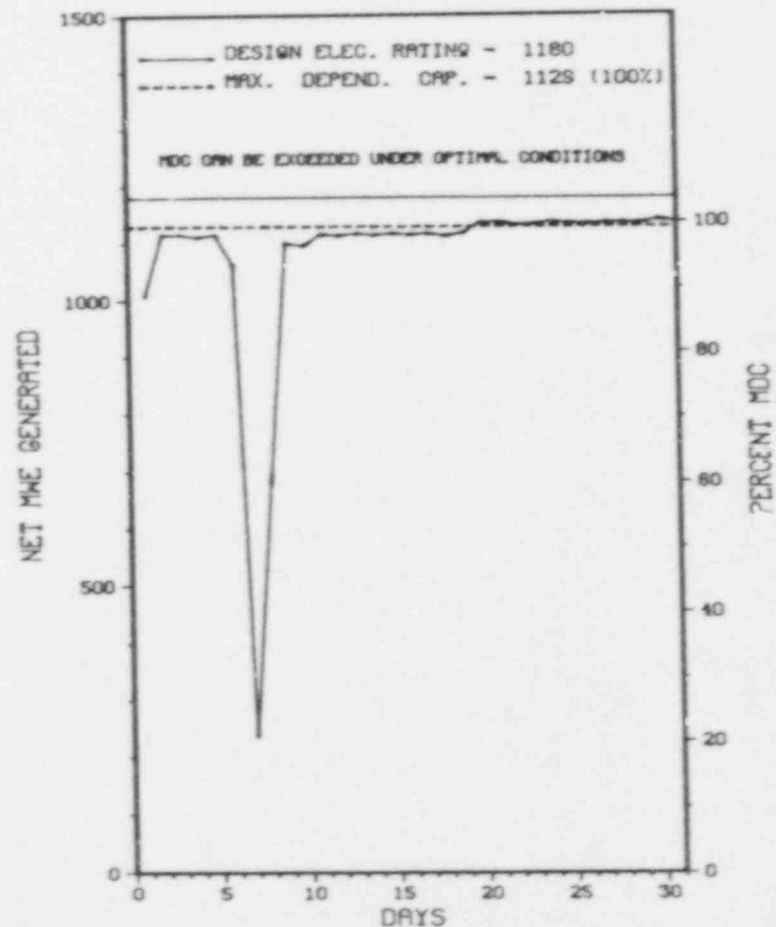
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>54,072.0</u>
13. Hours Reactor Critical	<u>729.4</u>	<u>729.4</u>	<u>37,593.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>726.8</u>	<u>726.8</u>	<u>37,070.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,379,899</u>	<u>2,379,899</u>	<u>107,445,316</u>
18. Gross Elec Ener (MWH)	<u>829,803</u>	<u>829,803</u>	<u>37,225,380</u>
19. Net Elec Ener (MWH)	<u>799,538</u>	<u>799,538</u>	<u>35,465,036</u>
20. Unit Service Factor	<u>97.7</u>	<u>97.7</u>	<u>68.6</u>
21. Unit Avail Factor	<u>97.7</u>	<u>97.7</u>	<u>68.6</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>95.2</u>	<u>58.1</u>
23. Unit Cap Factor (DER Net)	<u>91.1</u>	<u>91.1</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>2.3</u>	<u>2.3</u>	<u>14.0</u>
25. Forced Outage Hours	<u>17.2</u>	<u>17.2</u>	<u>6,039.9</u>

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

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

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MCGUIRE 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1-P	01/01/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REQUEST
2-P	01/01/88	F	0.0	A	5		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS
3-P	01/06/88	F	0.0	A	5		HA	GENERA	GENERATOR VOLTAGE REGULATOR PROBLEMS
1	01/07/88	F	17.2	A	3		HA	GENERA	REACTOR TRIP DUE TO GENERATOR VOLTAGE REGULATOR PROBLEMS
4-P	01/08/88	F	0.0	B	5		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
5-P	10/08/88	F	0.0	B	5		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
6-P	10/08/88	F	0.0	A	5		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS
7-P	01/08/88	F	0.0	A	5		HB	VALVEX	REMOVED #4 GOVERNOR VALVE FROM SERVICE
8-P	01/09/88	F	0.0	A	5		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS
9-P	01/09/88	F	0.0	A	5		HJ	PUMPXX	REMOVE 'C3' HEATER DRAIN PUMP FROM SERVICE
10-P	01/09/88	F	0.0	A	5		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS

 * SUMMARY *

 I.MCGUIRE 1 INCURRED 1 OUTAGE AND NUMEROUS POWER REDUCTIONS FOR REASONS 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)

* MCGUIRE 1 *

FACILITY DATA

Report Period JAN 1988

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.....H. 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 28225

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 15-18 (87-42): THIS ROUTINE, ANNOUNCED INSPECTION ADDRESSED THE AREAS OF THERMAL POWER MONITORING AND NUCLEAR INSTRUMENT CALIBRATION AND OPERABILITY. ONE VIOLATION WAS IDENTIFIED - FAILURE TO MAKE A TIMELY REPORT.
INSPECTION DECEMBER 14-16 (87-44): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREA OF INSERVICE INSPECTION - RELIEF REQUESTS (UNITS 1 AND 2) NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION DECEMBER 8-9 (87-45): THIS REACTIVE INSPECTION WAS CONDUCTED AT THE DUKE NUCLEAR SECURITY DEPARTMENT IN RESPONSE TO THE LICENSEE NOTIFYING THE NRC THAT IT HAD DISCOVERED A POTENTIAL COMPROMISE OF SAFEGUARDS INFORMATION. AS OF THE DATE OF ISSUANCE OF THIS REPORT, THE RESULTS OF THIS INSPECTION WERE STILL BEING EVALUATED BY NRC.
INSPECTION JANUARY 4-8 (88-01): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, INSERVICE TESTING OF PUMPS AND VALVES, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-026	11/05/87	12/07/87	UNITS 1&2 ENTERED TS 3.0.3; BOTH TRAINS OF CONTROL ROOM VENT AND CHILLED WATER INOPER DUE TO LEAKING DOOR SEALS MGT DEFI
87-034	11/09/87	12/31/87	TWO FIRE DOORS WERE BLOCKED OPEN AND A FIRE WATCH WAS MISSED DUE TO PERSONNEL ERROR
87-035	05/11/87	01/05/88	OPERATION ABOVE RATED THERMAL POWER BECAUSE THE NUMBER OF DECIMAL PLACES USED TO ADJUST PLANT OUTPUT WERE ROUNDED OFF
87-036	12/28/87	01/27/88	REACTOR TRIP DUE TO ERROR ON A SCHEMATIC DIAGRAM WHICH DIRECTED PERSONNEL TO WRONG CABINET - DESIGN DEFICIENCY

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1. Docket: 50-370 O P E R A T I N G S T A T U S
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS EXT (704) 373-7567
4. Licensed Thermal Power (MWT): 3411
5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305
6. Design Electrical Rating (Net MWe): 1180
7. Maximum Dependable Capacity (Gross MWe): 1225
8. Maximum Dependable Capacity (Net MWe): 1129
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>34,368.0</u>
13. Hours Reactor Critical	<u>726.1</u>	<u>726.1</u>	<u>25,172.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>721.2</u>	<u>721.2</u>	<u>24,548.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,375,936</u>	<u>2,375,936</u>	<u>80,621,540</u>
18. Gross Elec Ener (MWH)	<u>830,271</u>	<u>830,271</u>	<u>27,905,499</u>
19. Net Elec Ener (MWH)	<u>799,386</u>	<u>799,386</u>	<u>26,735,388</u>
20. Unit Service Factor	<u>96.9</u>	<u>96.9</u>	<u>71.4</u>
21. Unit Avail Factor	<u>96.9</u>	<u>96.9</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>95.2</u>	<u>68.9</u>
23. Unit Cap Factor (DER Net)	<u>91.1</u>	<u>91.1</u>	<u>65.9</u>
24. Unit Forced Outage Rate	<u>3.1</u>	<u>3.1</u>	<u>12.2</u>
25. Forced Outage Hours	<u>22.8</u>	<u>22.8</u>	<u>3,417.3</u>

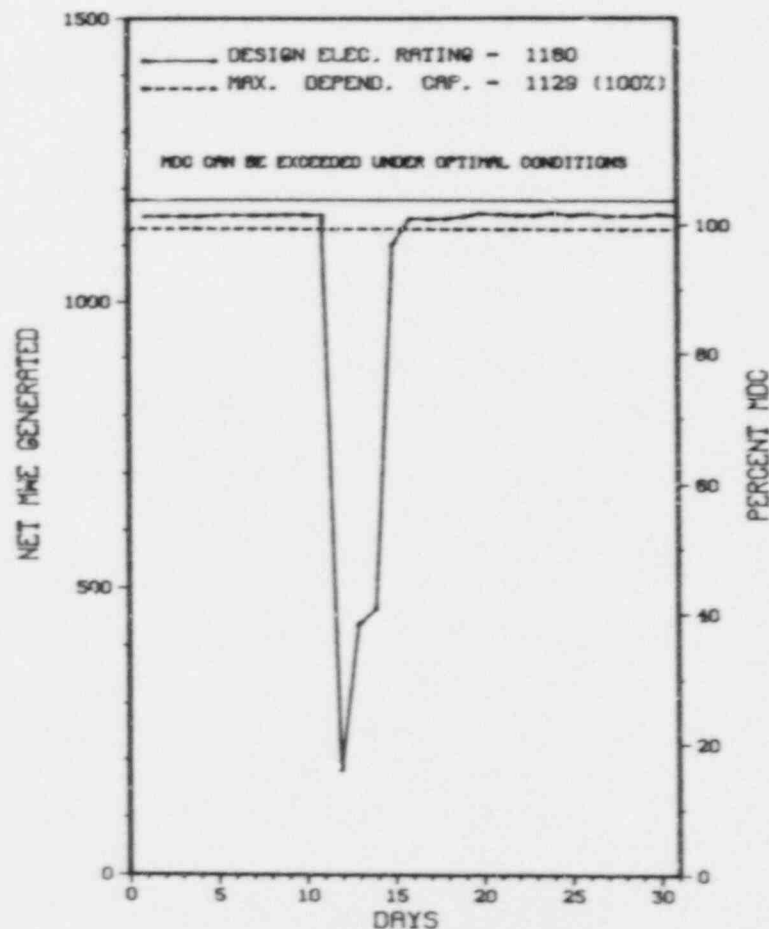
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING - MAY 27, 1988 - 10 WEEKS

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

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 MCGUIRE 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/12/88	F	21.8	A	1		HH	VALVEX	FAILURE OF AIR FILTER ON 'C' S/G FEED REG. VALVE
1-P	01/13/88	F	0.0	B	5		HH	XXXXXX	HOLD FOR SECONDARY CHEMISTRY
2-P	10/13/88	F	0.0	A	5		HH	VALVEX	REPAIR S/G 'C' FEEDWATER CONTAINMENT ISOLATION VALVE
3-P	01/13/88	S	0.0	B	5		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
4-P	01/14/88	F	0.0	A	5		HA	XXXXXX	REPAIR LEAK ON ELECTRO-HYDRAULIC SYSTEM
2	01/14/88	F	1.0	A	1		HA	XXXXXX	REPAIR LEAK ON ELECTRO-HYDRAULIC SYSTEM
5-P	01/14/88	S	0.0	B	5		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
6-P	01/15/88	S	0.0	B	5		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION

 * SUMMARY *

 MCGUIRE INCURRED 2 OUTAGES AND SEVERAL POWER REDUCTIONS IN JANUARY FOR REASONS STATED ABOVE.

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

1. Docket: 50-245 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. NEWBURGH (203) 447-1791 X4400

4. Licensed Thermal Power (MWh): 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

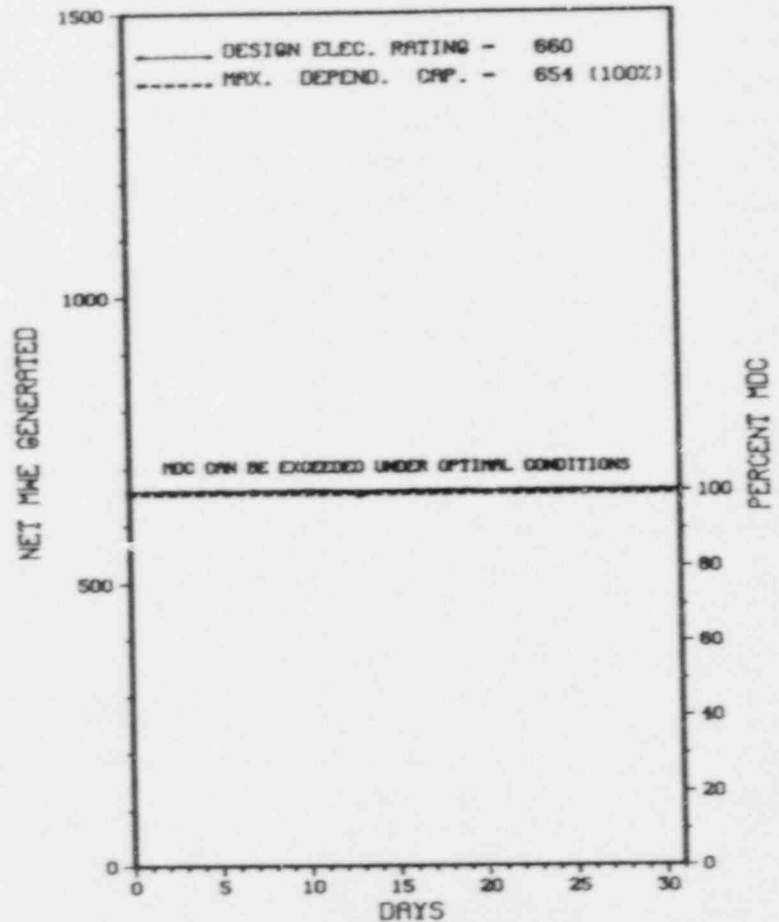
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>150,552.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>117,070.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,283.3</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>113,936.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>277.4</u>
17. Gross Therm Ener (MWH)	<u>1,492,778</u>	<u>1,492,778</u>	<u>211,698,873</u>
18. Gross Elec Ener (MWH)	<u>512,600</u>	<u>512,600</u>	<u>71,289,196</u>
19. Net Elec Ener (MWH)	<u>490,642</u>	<u>490,642</u>	<u>68,008,103</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>75.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>75.9</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>100.8</u>	<u>69.1</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>99.9</u>	<u>68.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,306.5</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



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

Type Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

N/AE

* SUMMARY *

MILLSTONE 1 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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)

* MILLSTONE 1 *

FACILITY DATA

Report Period JAN 1988

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.....H. RAYMOND
LICENSING PROJ MANAGER...M. BOYLE
DOCKET NUMBER.....50-245
LICENSE & DATE ISSUANCE...DPR-21, OCTOBER 26, 1970
PUBLIC DOCUMENT ROOM...WATERFORD PUBLIC LIBRARY
49 ROPE FERRY ROAD
WATERFORD, CONNECTICUT 06385

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEM AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* MILLSTONE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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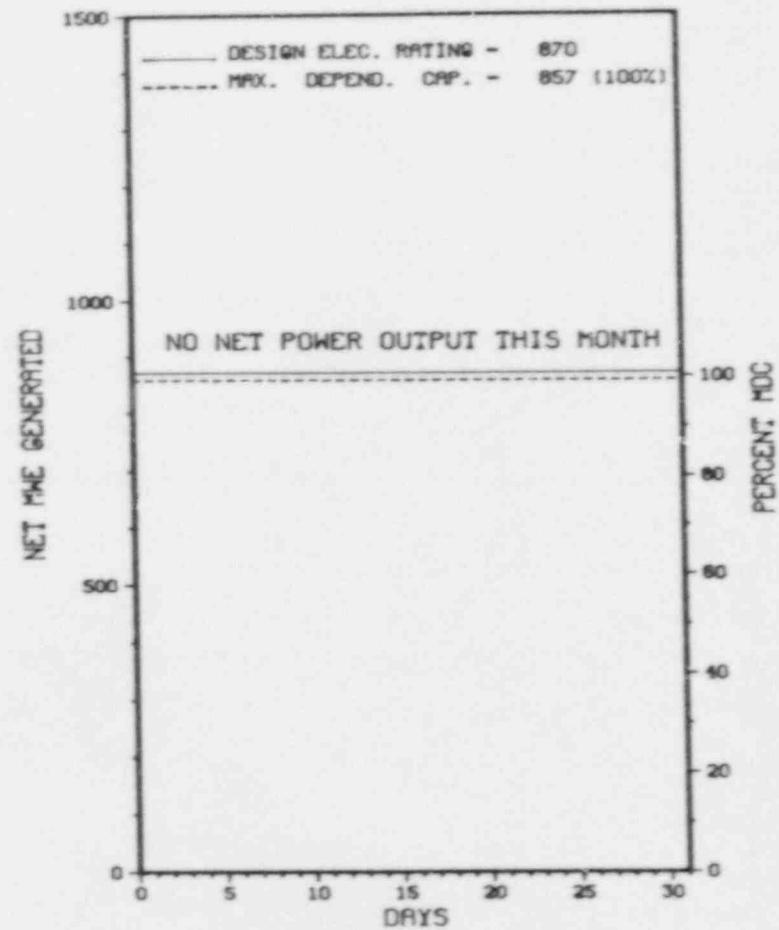
NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

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1. Docket: 50-356 O P E R A T I N G S T A T U S
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: G. NERON (203) 447-1791 X4417
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>744.0</u> | <u>744.0</u> | <u>106,080.0</u> |
| 13. Hours Reactor Critical | <u>.0</u> | <u>.0</u> | <u>76,264.0</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>2,166.9</u> |
| 15. Hrs Generator On-Line | <u>.0</u> | <u>.0</u> | <u>73,251.7</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>468.2</u> |
| 17. Gross Therm Ener (MWH) | <u>0</u> | <u>0</u> | <u>187,319,991</u> |
| 18. Gross Elec Ener (MWH) | <u>0</u> | <u>0</u> | <u>60,862,573</u> |
| 19. Net Elec Ener (MWH) | <u>-3,336</u> | <u>-3,336</u> | <u>58,372,921</u> |
| 20. Unit Service Factor | <u>.0</u> | <u>.0</u> | <u>69.1</u> |
| 21. Unit Avail Factor | <u>.0</u> | <u>.0</u> | <u>69.5</u> |
| 22. Unit Cap Factor (MDC Net) | <u>.0</u> | <u>.0</u> | <u>64.9*</u> |
| 23. Unit Cap Factor (DER Net) | <u>.0</u> | <u>.0</u> | <u>63.9*</u> |
| 24. Unit Forced Outage Rate | <u>.0</u> | <u>.0</u> | <u>15.1</u> |
| 25. Forced Outage Hours | <u>.0</u> | <u>.0</u> | <u>11,785.4</u> |
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 02/15/88

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 2



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 2 *

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

87-09	12/31/87	S	744.0	C	4			
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CONTINUATION OF REFUELING AND MAINTENANCE OUTAGE FROM PREVIOUS MONTH.

* SUMMARY *

MILLSTONE 2 REMAINED SHUTDOWN IN JANUARY FOR REFUELING AND MAINTENANCE OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram
	C-Refueling	H-Other	3-Auxo 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)

* MILLSTONE 2 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. REBELOWSKI
LICENSING PROJ MANAGER...D. JAFFE
DOCKET NUMBER.....50-336
LICENSE & DATE ISSUANCE ...DPR-65, SEPTEMBER 30, 1975
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
49 ROPE FERRY ROAD
WATERFORD, CONNECTICUT 06385

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-423 OPERATING STATUS
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: A. ELMS (203) 444-5388
 4. Licensed Thermal Power (MWh): 3411
 5. Nameplate Rating (Gross MWe): 1253
 6. Design Electrical Rating (Net MWe): 1154
 7. Maximum Dependable Capacity (Gross MWe): 1197
 8. Maximum Dependable Capacity (Net MWe): 1142
 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>744.0</u>	<u>744.0</u>	<u>15,576.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>11,763.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>11,590.5</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>42,269,431</u>
18. Gross Elec Ener (MMH)	<u>0</u>	<u>0</u>	<u>13,209,270</u>
19. Net Elec Ener (MMH)	<u>-8,987</u>	<u>-8,987</u>	<u>12,595,090</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>74.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>74.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>79.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>70.1</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>1,074.5</u>

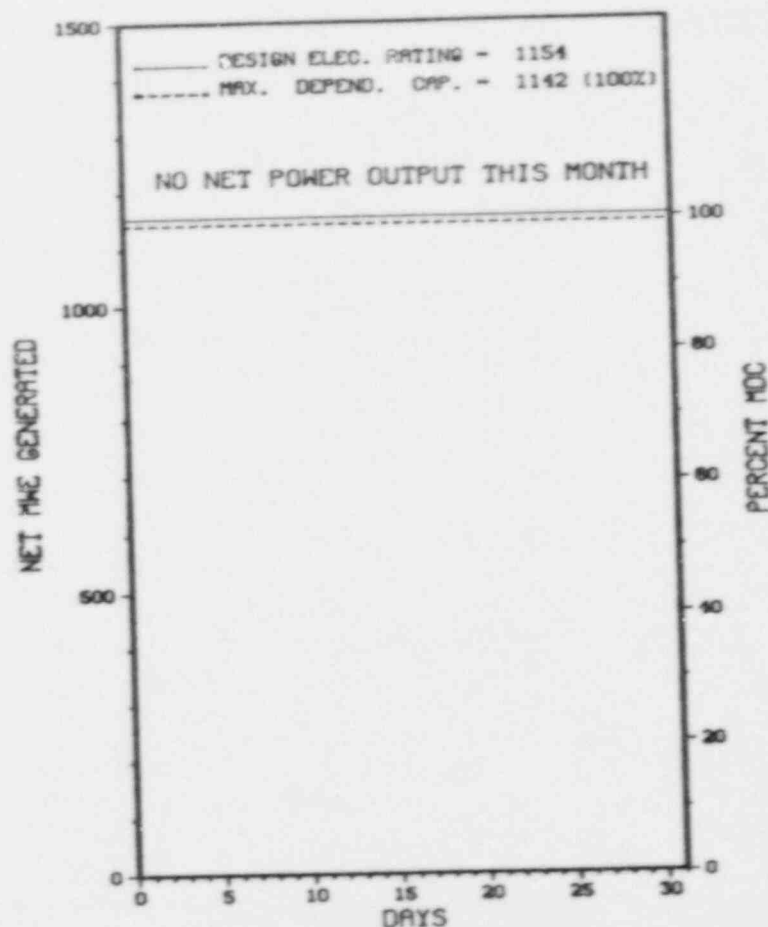
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 02/10/88

 * MILLSTONE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 MILLSTONE 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
87-12	10/31/98	S	744.0	C	4			SHUTDOWN CONTINUATION FROM LAST MONTH. REFUEL OUTAGE.

* SUMMARY *

MILLSTONE 3 REMAINED SHUTDOWN IN JANUARY FOR SCHEDULED REFUELING OUTAGE.

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

FACILITY DATA

Report Period JAN 1988

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, 1986
DATE ELEC EMER 1ST GENER...FEBRUARY 12, 1986
DATE COMMERCIAL OPERATE...APRIL 23, 1986
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC 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.....Y
IE RESIDENT INSPECTOR.....W. RAYMOND
LICENSING PROJ MANAGER.....R. FERGUSON
DOCKET NUMBER.....50-423
LICENSE & DATE ISSUANCE...NPF-49, JANUARY 31, 1986
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
49 ROPE FERRY ROAD
WATERFORD, CONNECTICUT 06385

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 JAN 1988

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

* MILLSTONE 3 *

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

NUMBER DATE OF DATE OF SUBJECT
 EVENT REPORT

INFO. NOT SUPPLIED BY REGION

1. Docket: 50-263 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 1670

5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569

6. Design Electrical Rating (Net MWe): 545

7. Maximum Dependable Capacity (Gross MWe): 564

8. Maximum Dependable Capacity (Net MWe): 536

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

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

11. Reasons for Restrictions, If Any: _____
NONE

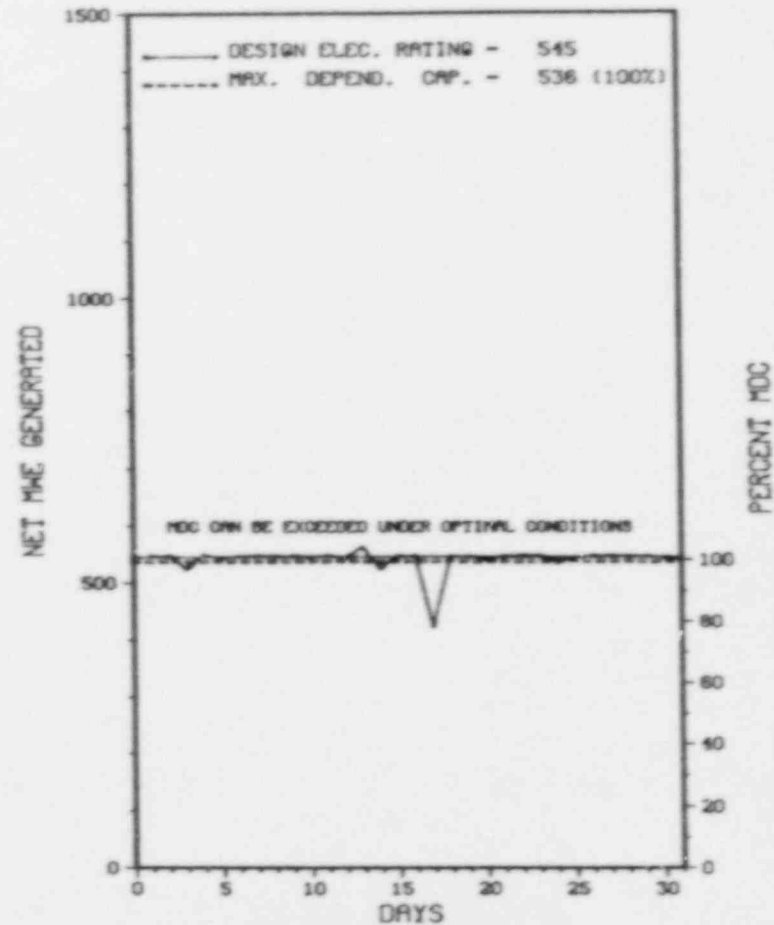
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>145,417.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>112,981.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-line	<u>744.0</u>	<u>744.0</u>	<u>110,757.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,229,249</u>	<u>1,229,249</u>	<u>176,907,323</u>
18. Gross Elec Ener (MWH)	<u>417,597</u>	<u>417,597</u>	<u>57,297,653</u>
19. Net Elec Ener (MWH)	<u>401,951</u>	<u>401,951</u>	<u>54,773,069</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.2</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>100.8</u>	<u>70.3</u>
23. Unit Cap Factor (DER Net)	<u>99.1</u>	<u>99.1</u>	<u>69.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,498.3</u>

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

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

 * MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 MONTICELLO



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/17/88	S	0.0	H	5		SH	P	POWER REDUCED TO 60% TO PERFORM FEEDWATER HEATER LEAK TEST.

* SUMMARY *

MONTICELLO INCURRED 1 POWER REDUCTION IN JANUARY TO PERFORM FEEDWATER HEATER LEAK TEST.

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

* MONTICELLO *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....MINNESOTA

COUNTY.....WRIGHT

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...50 MI NW OF
MINNEAPOLIS, MINN

TYPE OF REACTORBWR

DATE INITIAL CRITICALITY...DECEMBER 10, 1970

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

DATE COMMERCIAL OPERATE....JUNE 30, 1971

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

I. REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....P. HARTMAN

LICENSING PROJ MANAGER...J. STEFANO
DOCKET NUMBER.....50-263

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

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MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 8 THROUGH DECEMBER 7, 1987 (REPORT NO. 50-263/87015(DFP)): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MAINTENANCE; SURVEILLANCE; MATERIAL CONDITIONS OF INSTRUMENT ISOLATION VALVES; WORK REQUEST AUTHORIZATION REVIEWS; AND REFUELING ACTIVITIES OF THE SEVEN AREAS INSPECTED. THREE VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED BETWEEN NOVEMBER 16 AND DECEMBER 21, 1987 (REPORT NO. 50-263/87017(DRSS)): INCLUDED A REVIEW OF THE LICENSEE MANAGEMENT EFFECTIVENESS; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS, TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; SAFEGUARDS INFORMATION; AND A REVIEW OF A SECURITY INCIDENT INVOLVING A VITAL AREA BARRIER DEGRADATION WHICH WAS REPORTED TO THE NRC. BASED ON THE INSPECTION, FIVE VIOLATIONS, FOUR OPEN ITEMS, AND TWO UNRESOLVED ITEMS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 16-20, 1987 (REPORT NO. 50-263/87018(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING A REFUELING MAINTENANCE OUTAGE, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; AUDITS; TRAINING AND QUALIFICATION OF PERSONNEL; EXPOSURE CONTROLS; ALARA; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION; IMPLEMENTATION OF TEMPORARY INSTRUCTION 2500/23 AND A REVIEW OF ACTION TAKEN ON NRC INFORMATION NOTICES. IN ADDITION, THE INSPECTORS PERFORMED INDEPENDENT DIRECT RADIATION AND CONTAMINATION SURVEYS AND ACCOMPANIED AN AUXILIARY OPERATOR ON HIS ROUNDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

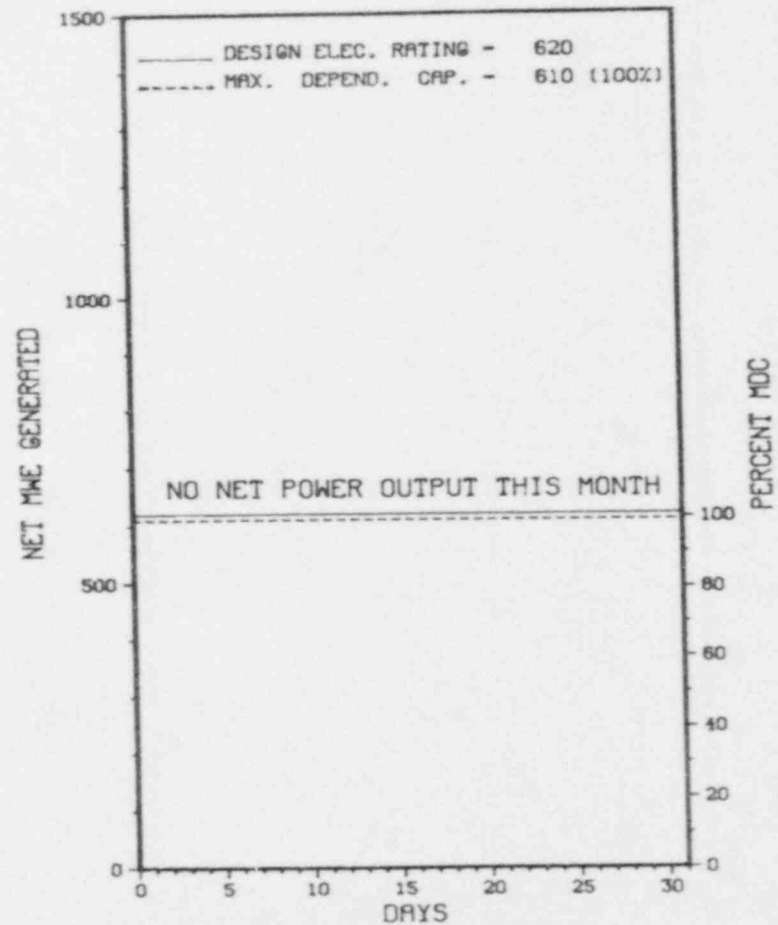
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>159,984.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>115,235.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>112,102.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>188,473,042</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>62,473,071</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>60,524,379</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>70.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>70.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>62.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>61.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>14.9</u>
25. Forced Outage Hours	<u>516.0</u>	<u>516.0</u>	<u>15,047.9</u>

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

27. If Currently Shutdown Estimated Startup Date: 04/01/88

 * NINE MILE POINT 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 NINE MILE POINT 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS REDUCTIONS

 * NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	12/19/87	F	516.0	A	4				REPAIRS CONTINUED FROM MANUAL SCRAM DUE TO HIGH VIBRATIONS IN THE FW SYSTEM.
	01/22/88	S	228.0	C	9				THE DECISION WAS MADE TO START THE REFUEL OUTAGE. THE REFUEL OUTAGE WAS ORIGINALLY SCHEDULED TO START ON MARCH 5, 1988 FOR A DURATION OF 12 WEEKS.

 * SUMMARY *

 NINE MILE POINT 1 ENTERED MONTH SHUTDOWN FOR REPAIRS. SUBSEQUENTLY ENTERED SCHEDULED REFUELING OUTAGE.

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

* NINE MILE POINT 1 *

FACILITY DATA

Report Period JAN 1988

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.....STOPY & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JAN 1988

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 C I N S E E

=====

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

=====

1. Docket: 50-410 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: E. TOMLINSON (315) 349-2761

4. Licensed Thermal Power (MWh): 3323

5. Nameplate Rating (Gross MWe): 1214

6. Design Electrical Rating (Net MWe): 1080

7. Maximum Dependable Capacity (Gross MWe): 1080

8. Maximum Dependable Capacity (Net MWe): 1080

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

10. Power Level To Which Restricted, If Any (Net MWe): 810

11. Reasons for Restrictions, If Any:

SELF-IMPOSED FOR ADMINISTRATIVE REASONS.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>4,240.0</u>
13. Hours Reactor Critical	<u>465.8</u>	<u>465.8</u>	<u>2,104.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>465.8</u>	<u>465.8</u>	<u>1,524.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>862,143</u>	<u>862,143</u>	<u>2,395,708</u>
18. Gross Elec Ener (MWH)	<u>262,400</u>	<u>262,400</u>	<u>637,300</u>
19. Net Elec Ener (MWH)	<u>233,490</u>	<u>233,490</u>	<u>494,485</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>278.2</u>	<u>278.2</u>	<u>2,128.7</u>

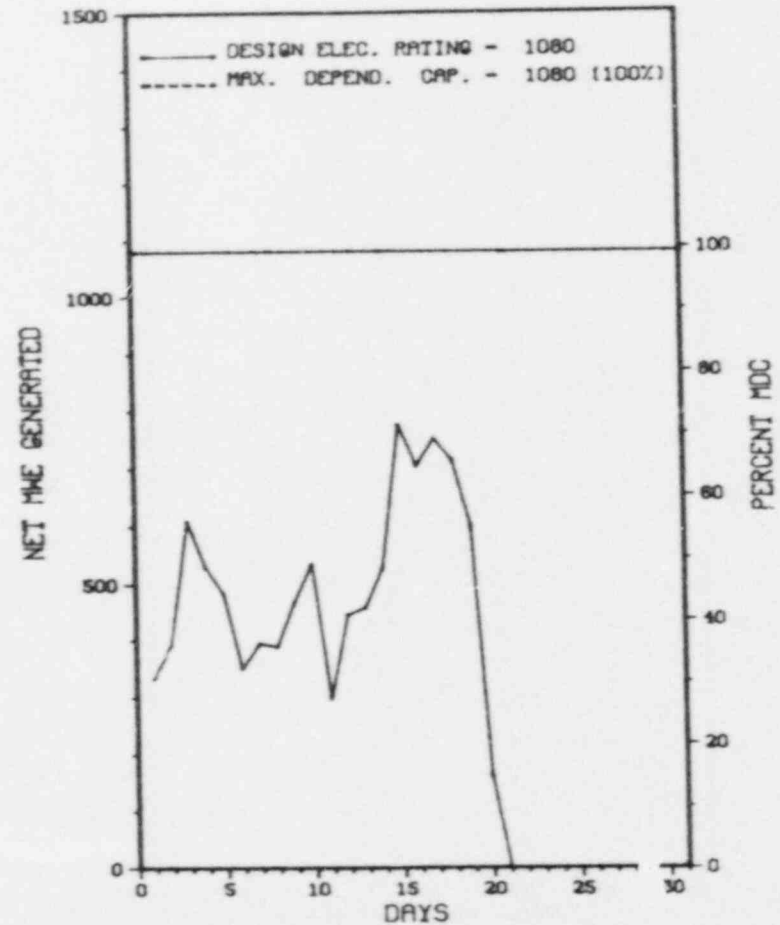
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 02/01/88

 * NINE MILE POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 NINE MILE POINT 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * NINE MILE POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/20/88	F	278.2	G	3	88-01	LD	FLT	OPERATOR ISOLATED INSTRUMENT AIR CAUSING CONDENSATE/ FEEDWATER MINIMUM VALVES TO OPEN. REACTOR SCRAMMED ON LOW (LEVEL 3) WATER LEVEL. STRENGTHENED ADMINISTRATIVE CONTROLS FOR TAG OUTS AND VALVE POSITION VERIFICATION.

 * SUMMARY *

 NINE MILE POINT 2 WHILE IN START-UP AND POWER ASCENSION TEST PHASE INCURRED 1 OUTAGE IN JANUARY FOR REASONS CITED 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)

* NINE MILE POINT 2 *

FACILITY DATA

Report Period JAN 1988

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...MAY 23, 1987
DATE ELEC ENER 1ST GENER...AUGUST 8, 1987
DATE COMMERCIAL OPERATE....*****
CONDENSER COOLING METHOD...COOLING TOWER
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.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. COOK
LICENSING PROJ MANAGER....M. HAUGHEY
DOCKET NUMBER50-410
LICENSE & DATE ISSUANCE...NPF-69, JULY 2, 1987
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

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 JAN 1988

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

* N I N E M I L E P O I N T 2 *

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

=====

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

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: B. GARNER (703) 894-5151 X2527

4. Licensed Thermal Power (Mwt): 2893

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 963

8. Maximum Dependable Capacity (Net MWe): 915

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

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

11. Reasons for Restrictions, If Any: _____
NONE

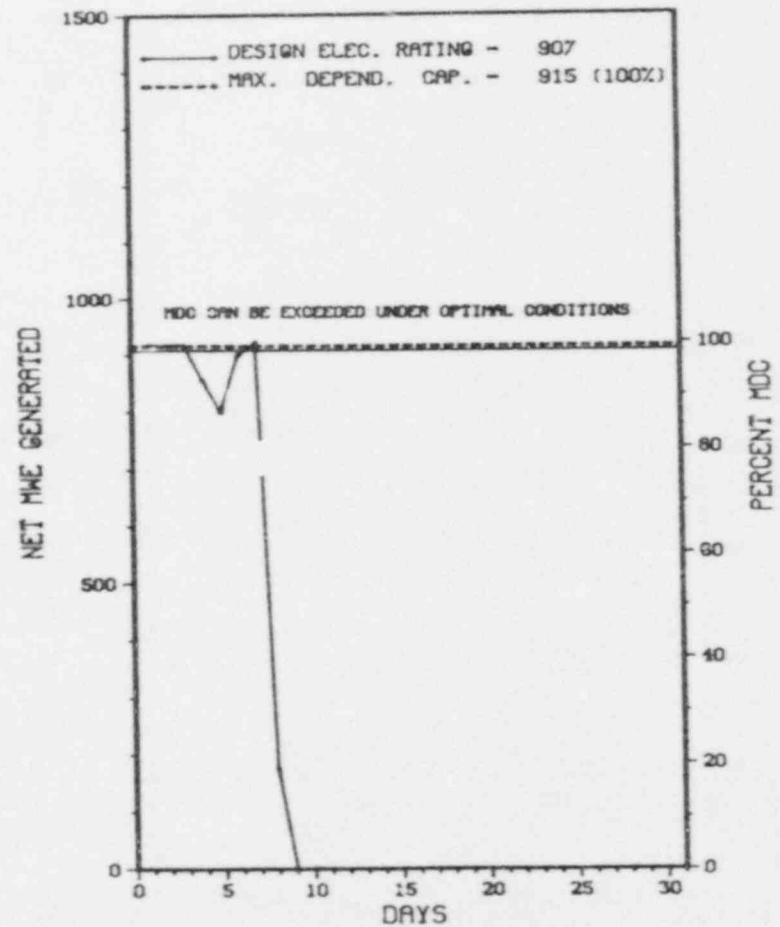
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>84,649.0</u>
13. Hours Reactor Critical	<u>256.2</u>	<u>256.2</u>	<u>57,687.4</u>
14. Rx Reserve Shtdwn Hrs	<u>27.6</u>	<u>27.6</u>	<u>5,675.6</u>
15. Hrs Generator On-Line	<u>172.7</u>	<u>172.7</u>	<u>55,941.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>497,018</u>	<u>497,018</u>	<u>146,673,792</u>
18. Gross Elec Ener (MWH)	<u>161,825</u>	<u>161,825</u>	<u>48,065,713</u>
19. Net Elec Ener (MWH)	<u>153,512</u>	<u>153,512</u>	<u>45,448,106</u>
20. Unit Service Factor	<u>23.2</u>	<u>23.2</u>	<u>66.1</u>
21. Unit Avail Factor	<u>23.2</u>	<u>23.2</u>	<u>66.1</u>
22. Unit Cap Factor (MDC Net)	<u>22.6</u>	<u>22.6</u>	<u>58.7</u>
23. Unit Cap Factor (DER Net)	<u>22.7</u>	<u>22.7</u>	<u>59.2</u>
24. Unit Forced Outage Rate	<u>76.8</u>	<u>76.8</u>	<u>15.8</u>
25. Forced Outage Hours	<u>571.3</u>	<u>571.3</u>	<u>10,392.8</u>

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

27. If Currently Shutdown Estimated Startup Date: 02/05/88

 * NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 NORTH ANNA 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8--01	01/08/88	F	118.5	A	1	NI-88-002	KE	P	REACTOR MANUALLY TRIPPED FROM 100% POWER, DUE TO LOSS OF CIRCULATING WATER PUMPS. UNIT RETURNED ON LINE JANUARY 13, 1988 AT 0307.
8--02	01/13/88	F	452.8	H	3	NI-88-005	JB	SG	REACTOR TRIP OCCURRED AT 15% POWER, DUE TO HI HI LEVEL ON "B" STEAM GENERATOR. REACTOR TAKEN CRITICAL AT 1125, AND APPROXIMATELY EIGHT HOURS LATER AT 1916 THE REACTOR WAS MANUALLY SHUTDOWN DUE TO RESIN INTRUSION IN THE STEAM GENERATOR. ENDED THE MONTH WITH UNIT IN MODE 5. APPROXIMATELY FEBRUARY 5, 1988 UNIT WILL RETURN ON LINE. (LER-NI-88-004)

 * SUMMARY *

 NORTH ANNA 1 INCURRED 2 OUTAGES DURING JANUARY AS DISCUSSED ABOVE AND ENDED MONTH OUT OF SERVICE.

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

* NORTH ANNA 1 *

FACILITY DATA

Report Period JAN 1988

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

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 20 - NOVEMBER 19 (87-36): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, UNRESOLVED ITEMS, LICENSEE EVENT REPORT (LER FOLLOWUP), REVIEW OF INSPECTOR FOLLOW-UP ITEMS, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, ESF WALKDOWN, VERIFICATION OF CONTAINMENT INTEGRITY, OPERATOR SAFETY VERIFICATION, OPERATING REACTOR EVENTS, INSTRUMENTATION PROBLEMS RELATED TO STARTUP OF UNIT 2 FROM REFUELING, AND SECURITY. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSHIFT OPERATIONS ON THE FOLLOWING DAYS - OCTOBER 21, 22, 27 AND 29 AND NOVEMBER 2, 3, 4, 6, 17 AND 18. THREE VIOLATIONS WERE IDENTIFIED: TWO OF THESE VIOLATIONS, ONE WITH FIVE EXAMPLES, WERE FOR INADEQUATE PROCEDURES AND FAILURE TO FOLLOW PROCEDURES. THE THIRD VIOLATION WAS FOR CHANGING THE INTENT OF A SURVEILLANCE PROCEDURE WITHOUT PRIOR APPROVAL.

INSPECTION OCTOBER 19-23 (87-37): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF FIRE PROTECTION. TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED - FAILURE TO DEVELOP AND IMPLEMENT SURVEILLANCE PROCEDURES FOR APPENDIX R FIRE BARRIER WRAP ENCLOSURES, FIRE STOPS, AND RADIANT ENERGY SHIELDS; FAILURE TO IMPLEMENT FIRE BRIGADE TRAINING AND TIMELY CORRECTIVE ACTION FOR FIRE PROTECTION QA AUDIT FINDINGS; AND, INSTALLED FIRE DETECTION SYSTEM IN UNIT 2 QUENCH SPRAY PUMP HOUSE IS NOT IN CONFORMANCE WITH COMMITMENTS FOR FULL AREA COVERAGE.

INSPECTION NOVEMBER 20 - DECEMBER 18 (87-38): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, LICENSEE EVENT REPORT (LER FOLLOWUP), MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, ESF WALKDOWN, OPERATOR SAFETY VERIFICATION, OPERATING REACTOR EVENTS, TEMPORARY INSTRUCTION (TI) 2500/26, COLD WEATHER PREPARATION, HEALTH PHYSICS, AND INSTRUMENTATION PROBLEMS RELATED TO STARTUP OF UNIT 2. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSHIFT OPERATIONS ON THE FOLLOWING DAYS NOVEMBER 17, 18, 23, 24 AND

INSPECTION SUMMARY

DECEMBER 1-5, 7, 8, 14-18, 1987. ONE VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW THE REQUIREMENTS OF RWP-87-3156.

INSPECTION OCTOBER 16-20 (87-39): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LICENSED OPERATOR AND NON-LICENSED OPERATOR TRAINING AND REQUALIFICATION TRAINING AS WELL AS MAINTENANCE TRAINING, AND NATURAL CIRCULATION COOLDOWN PROCEDURE IMPLEMENTATION. ONE VIOLATION WAS IDENTIFIED IN WHICH THE LICENSEE'S EMERGENCY OPERATING PROCEDURES FOR NATURAL CIRCULATION COOLDOWN CURVES THAT EXCEEDED THOSE SPECIFIED IN FIGURE 3.4.3 OF TECHNICAL SPECIFICATIONS. ONE DEVIATION WAS IDENTIFIED WHEREIN THE LICENSEE'S PROCEDURES FOR NATURAL CIRCULATION COOLDOWN AND RELATED STEP DEVIATION DOCUMENT DID NOT FOLLOW THE GUIDANCE COMMITTED TO IN THEIR PROCEDURE GENERATION PACKAGE FOR EMERGENCY OPERATING PROCEDURE:

INSPECTION DECEMBER 15-18 (87-40): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION CONSISTED OF A REVIEW AND EXAMINATION OF THE FOLLOWING AREAS: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; LOCKS, KEYS AND COMBINATIONS, PHYSICAL BARRIERS - PROTECTED AREA; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; AND COMMUNICATIONS. NO VIOLATIONS WERE IDENTIFIED IN THE 13 AREAS INSPECTED.

INSPECTION DECEMBER 14-18 (87-41): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF INSERVICE INSPECTION AND TESTING OF PUMPS AND VALVES; CLOSING OF OPEN ITEMS. ALSO ATTENDED THE ACRS JOINT SUBCOMMITTEE MEETING ON METAL COMPONENTS/ THERMAL HYDRAULIC AFFECTS ON STEAM GENERATOR INTEGRITY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.A. AND C. AND REGULATORY GUIDE 1.33, APPENDIX A, SECTION 3, THE FOLLOWING PROCEDURES WERE NOT MET: (1) ON OCTOBER 14, 1987, THE UNIT 1 REFUELING WATER STORAGE TANK (RWST) LEVEL WAS ALLOWED TO DROP BELOW TECHNICAL SPECIFICATION 3.5.5 LIMIT. (2) ON OCTOBER 26, THE UNIT 2 PRESSURIZER POWER OPERATED RELIEF VALVE (PORV) WAS INADVERTENTLY LIFTED DUE TO THE OPERATOR FAILING TO FOLLOW A SURVEILLANCE PROCEDURE 2-PT-211.1. (3) ON OCTOBER 31, AN UNEXPECTED REACTOR PROTECTION SYSTEM ACTIVATION OCCURRED ON UNIT 2 DUE TO AN INADEQUATE PROCEDURE. (4) ON OCTOBER 30, UNIT 2 WAS ALLOWED TO CONTINUE TO OPERATE IN MODE 2 WITH AN INOPERABLE POWER RANGE INSTRUMENT, N44, WITHOUT THE INSTRUMENT'S PROTECTION SIGNALS BEING PLACED IN TRIP AS REQUIRED BY TECHNICAL SPECIFICATION TABLE 3.3-1. (5) ON OCTOBER 30, THE REACTOR COOLANT SYSTEM (RCS) TAVE FOR UNIT 2 WAS INADVERTENTLY DECREASED BELOW THE TECHNICAL SPECIFICATION 3.1.1.5 OF 541 DEGREES F. THIS INADVERTENT TAVE REDUCTION WAS CAUSED BY THE OPERATOR PLACING THE POWER RANGE INSTRUMENT IN A TRIP CONDITION WITHOUT AN ADEQUATE PROCEDURE. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.F, THE FIRE BRIGADE DRILL REQUIREMENTS WERE NOT IMPLEMENTED IN THAT NOT ALL SHIFT FIRE BRIGADE HAD PARTICIPATED IN AT LEAST ONE DRILL PER QUARTER AND FAILURE TO CORRECT THIS ITEM IDENTIFIED IN AN EARLIER FIREPROTECTION QA AUDIT. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.F SURVEILLANCE PROCEDURES FOR PERIOD INSPECTION OF FIRE BARRIER WRAP CLOSURES, FIRE STOPS, AND RADIANT ENERGY SHIELDS INSTALLED TO COMPLY WITH 10 CFR 50 APPENDIX R WERE NOT DEVELOPED OR IMPLEMENTED. (8703 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ RESIN IN SECONDARY PLANT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

OTHER ITEMS

NONE.

PLANT STATUS:

+ COLD SHUTDOWN FOR RESIN CLEANUP.

LAST IE SITE INSPECTION DATE: DECEMBER 14-18, 1987 +

INSPECTION REPORT NO: 50-338/87-41 +

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
87-023	11/24/87	12/11/87	KAMAN PROCESS VENT NORMAL RANGE RADIATION MONITOR EXCEEDED T.S. ACTION STATEMENT
88-001	01/03/88	01/14/88	VENT STACK "A" NORMAL RANGE RADIATION MONITOR EXCEEDED T.S. ACTION STATEMENT
88-003	01/07/88	01/21/88	NUCLEAR RESEARCH CORPORATION RADIATION MONITOR EXCEEDED T.S. ACTION STATEMENT
88-006	01/12/88	01/28/88	VENT STACK "A" RADIATION MONITOR EXCEEDED T.S. ACTION STATEMENT; THE FLOW INVERTER BOARD HAD MALFUNCTIONED

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: B. GARNER (703) 894-5151 X2527

4. Licensed Thermal Power (Mwt): 2893

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 963

8. Maximum Dependable Capacity (Net MWe): 915

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

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

11. Reasons for Restrictions, If Any:
NONE

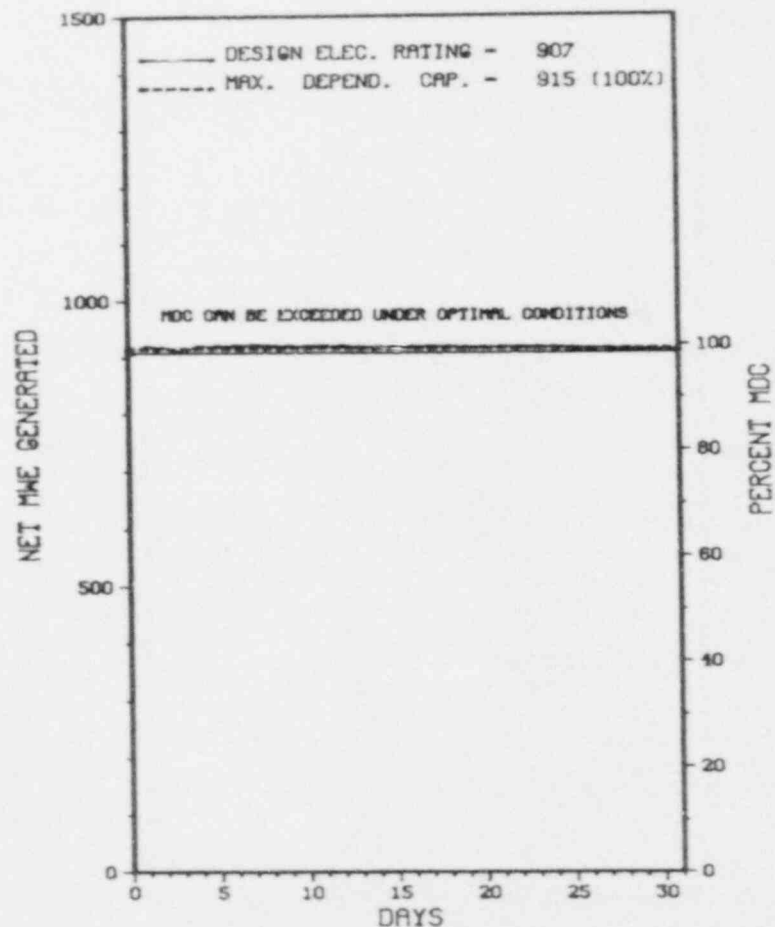
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>62,520.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>49,204.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,044.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>48,172.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,151,711</u>	<u>2,151,711</u>	<u>126,474,465</u>
18. Gross Elec Ener (MWH)	<u>716,595</u>	<u>716,595</u>	<u>41,943,776</u>
19. Net Elec Ener (MWH)	<u>681,949</u>	<u>681,949</u>	<u>39,740,307</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.1</u>
22. Unit Cap Factor (MDC Net)	<u>100.2</u>	<u>100.2</u>	<u>69.5</u>
23. Unit Cap Factor (DER Net)	<u>101.1</u>	<u>101.1</u>	<u>70.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>9.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,768.9</u>

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

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

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
NORTH ANNA 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* NORTH ANNA 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXX NORTH ANNA 2 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.
* SUMMARY *
XXXXXXXXXX

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

* NORTH ANNA 2 *

FACILITY DATA

Report Period JAN 1988

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

CGNDENSER 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

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

INSPECTION SUMMARY

* INSPECTION OCTOBER 20 - NOVEMBER 19 (87-36): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, UNRESOLVED ITEMS, LICENSEE EVENT REPORT (LER FOLLOWUP), REVIEW OF INSPECTOR FOLLOW-UP ITEMS, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, ESF WALKDOWN, VERIFICATION OF CONTAINMENT INTEGRITY, OPERATOR SAFETY VERIFICATION, OPERATING REACTOR EVENTS, INSTRUMENTATION PROBLEMS RELATED TO STARTUP OF UNIT 2 FROM REFUELING, AND SECURITY. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSHIFT OPERATIONS ON THE FOLLOWING DAYS - OCTOBER 21, 22, 27 AND 29 AND NOVEMBER 2, 3, 4, 6, 17 AND 18. THREE VIOLATIONS WERE IDENTIFIED: TWO OF THESE VIOLATIONS, ONE WITH FIVE EXAMPLES, WERE FOR INADEQUATE PROCEDURES AND FAILURE TO FOLLOW PROCEDURES. THE THIRD VIOLATION WAS FOR CHANGING THE INTENT OF A SURVEILLANCE PROCEDURE WITHOUT PRIOR APPROVAL.

INSPECTION OCTOBER 19-23 (87-37): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF FIRE PROTECTION. TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED - FAILURE TO DEVELOP AND IMPLEMENT SURVEILLANCE PROCEDURES FOR APPENDIX R FIRE BARRIER WRAP ENCLOSURES, FIRE STOPS, AND RADIANT ENERGY SHIELDS; FAILURE TO IMPLEMENT FIRE BRIGADE TRAINING AND TIMELY CORRECTIVE ACTION FOR FIRE PROTECTION QA AUDIT FINDINGS; AND, INSTALLED FIRE DETECTION SYSTEM IN UNIT 2 QUENCH SPRAY PUMP HOUSE IS NOT IN CONFORMANCE WITH COMMITMENTS FOR FULL AREA COVERAGE.

INSPECTION NOVEMBER 20 - DECEMBER 18 (87-38): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE FOLLOWING AREAS: PLANT STATUS, LICENSEE EVENT REPORT (LER FOLLOWUP), MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, ESF WALKDOWN, OPERATOR SAFETY VERIFICATION, OPERATING REACTOR EVENTS, TEMPORARY INSTRUCTION (TI) 2500/26, COLD WEATHER PREPARATION, HEALTH PHYSICS, AND INSTRUMENTATION PROBLEMS RELATED TO STARTUP OF UNIT 2. DURING THE PERFORMANCE OF THIS INSPECTION, THE RESIDENT INSPECTORS CONDUCTED REVIEWS OF THE LICENSEE'S BACKSHIFT OPERATIONS ON THE FOLLOWING DAYS NOVEMBER 17, 18, 23, 24 AND

Report Period JAN 1988

REPORTS FROM LICENSEE

* NORTH ANNA 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-018	12/21/87	01/14/88	INADVERTENT EMERGENCY DIESEL GENERATOR START DURING TESTING; PERSONNEL ERROR AND FAILURE TO FOLLOW PROCEDURE

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1. Docket: 50-269 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 2568

5. Nameplate Rating (Gross MWe): 1058 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 846

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

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

11. Reasons for Restrictions, If Any:
NONE

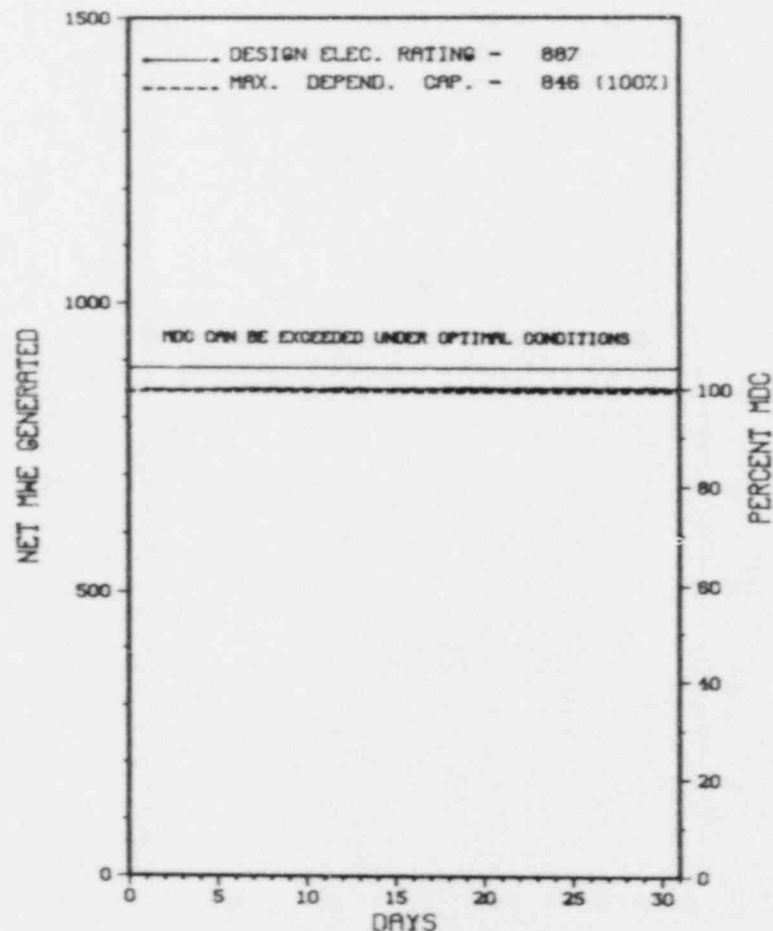
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>127,513.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>99,053.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>90,441.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,911,816</u>	<u>1,911,816</u>	<u>218,396,881</u>
18. Gross Elec Ener (MWH)	<u>661,625</u>	<u>661,625</u>	<u>75,769,282</u>
19. Net Elec Ener (MWH)	<u>632,898</u>	<u>632,898</u>	<u>71,844,003</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>70.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>70.9</u>
22. Unit Cap Factor (MDC Net)	<u>100.6</u>	<u>100.6</u>	<u>65.4*</u>
23. Unit Cap Factor (DER Net)	<u>95.9</u>	<u>95.9</u>	<u>63.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,514.7</u>

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

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

* OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 1



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* OCONEE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

XXXXXXXXXXXX
* SUMMARY *
XXXXXXXXXXXX

OCONEE 1 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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 1 *

FACILITY DATA

Report Period JAN 1988

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. PASTIS
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 8-9 (87-50): THIS REACTIVE INSPECTION WAS CONDUCTED AT THE DUKE NUCLEAR SECURITY DEPARTMENT IN RESPONSE TO THE LICENSEE NOTIFYING THE NRC THAT IT HAD DISCOVERED A POTENTIAL COMPROMISE OF SAFEGUARDS INFORMATION. AS OF THE DATE OF ISSUANCE OF THIS REPORT, THE RESULTS OF THIS INSPECTION WERE STILL BEING EVALUATED BY NRC.

INSPECTION DECEMBER 22 - JANUARY 15 (87-51): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PHYSICAL SECURITY, REVIEW OF SAFETY SYSTEM FUNCTIONAL INSPECTION ITEMS, ENGINEERED SAFEGUARDS FEATURES LINEUPS, B&W OWNERS GROUP PLAN; REASSESSMENT PROGRAM, REVIEW OF THE PUBLIC DOCUMENT ROOM, AND 10 CFR PART 21 REVIEWS. OF THE NINE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURE FOR MAINTAINING FREEZE SEAL.

ENFORCEMENT SUMMARY

INDIVIDUAL ACCESSED THE PROTECTED AREA WITHOUT A PICTURE BADGE. VIOLATION OF TS 3.8.6 IN THAT CONTAINMENT CLOSURE CONDITIONS WERE NOT MAINTAINED DURING REFUELING OUTAGES PERFORMED ON UNITS 1, 2 AND 3.
(8704 4)

ASSIGNMENT OF UNQUALIFIED GUARD TO PA PATROL.
(8704 5)

1. Docket: 50-270 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): 846

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

10. Power Level To Which Restricted, If Any (Net MWe): 700

11. Reasons for Restrictions, If Any: HIGH FEEDWATER LEVEL IN THE "B" STEAM GENERATOR

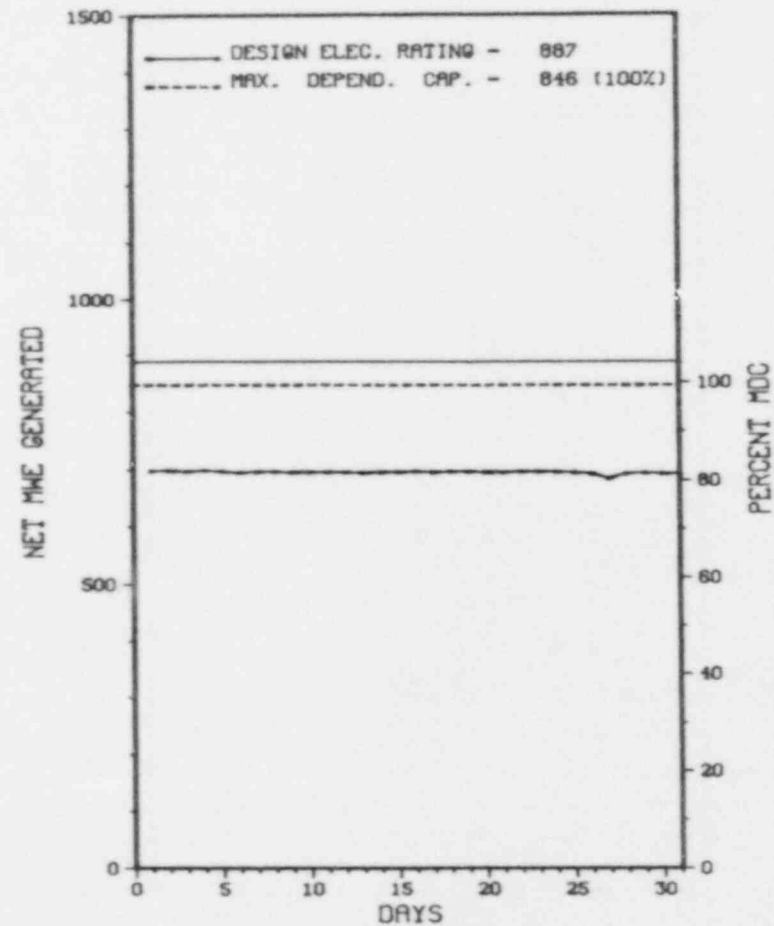
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>117,433.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>89,440.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>88,037.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,626,480</u>	<u>1,626,480</u>	<u>209,266,581</u>
18. Gross Elec Ener (MWH)	<u>544,030</u>	<u>544,030</u>	<u>71,226,711</u>
19. Net Elec Ener (MWH)	<u>516,999</u>	<u>516,999</u>	<u>67,714,317</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>75.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>82.1</u>	<u>82.1</u>	<u>66.9*</u>
23. Unit Cap Factor (DER Net)	<u>78.3</u>	<u>78.3</u>	<u>65.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,963.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEBRUARY 3, 1988 - 10 WEEKS

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

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 2



JANUARY 1988

* Item calculated with a Weighted Average

PAGE 2-262

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1-P	01/01/88	F	0.0	A	5		CH	HTEXCH	HIGH LEVEL 'B' STEAM GENERATOR
2-P	01/27/88	F	0.0	A	5		HJ	XXXXXX	FEEDWATER SWING
3-P	01/27/88	F	0.0	A	5		CH	HTEXCH	HIGH LEVEL 'B' STEAM GENERATOR

 * SUMMARY *

 OCONEE 2 OPERATED AT A SELF IMPOSED RESTRICTED POWER LEVEL AND SUBSEQUENTLY,
 INCURRED 3 POWER REDUCTIONS IN JANUARY FOR REASONS CITED ABOVE.

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

* OCONEE 2 *

FACILITY DATA

Report Period JAN 1988

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 "FREE"
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. PASTIS
DOCKET NUMBER.....50-270
LICENSE & DATE ISSUANCE...DPR-47, OCTOBER 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

* INSPECTION DECEMBER 8-9 (87-50): THIS REACTIVE INSPECTION WAS CONDUCTED AT THE DUKE NUCLEAR SECURITY DEPARTMENT IN RESPONSE TO THE LICENSEE NOTIFYING THE NRC THAT IT HAD DISCOVERED A POTENTIAL COMPROMISE OF SAFEGUARDS INFORMATION. AS OF THE DATE OF ISSUANCE OF THIS REPORT, THE RESULTS OF THIS INSPECTION WERE STILL BEING EVALUATED BY NRC.

INSPECTION DECEMBER 22 - JANUARY 15 (87-51): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PHYSICAL SECURITY, REVIEW OF SAFETY SYSTEM FUNCTIONAL INSPECTION ITEMS, ENGINEERED SAFEGUARDS FEATURES LINEUPS, B&W OWNERS GROUP PLANT REASSESSMENT PROGRAM, REVIEW OF THE PUBLIC DOCUMENT ROOM, AND 10 CFR PART 21 REVIEWS. OF THE NINE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURE FOR MAINTAINING FREEZE SEAL.

ENFORCEMENT SUMMARY

INDIVIDUAL ACCESSED THE PROTECTED AREA WITHOUT A PICTURE BADGE. VIOLATION OF TS 3.8.6 IN THAT CONTAINMENT CLOSURE CONDITIONS WERE NOT MAINTAINED DURING REFUELING OUTAGES PERFORMED ON UNITS 1, 2 AND 3.
(8704 4)

CONTRARY TO TS 6.4.1 ON OCTOBER 29, 1987, STATION DIRECTIVE 3.2.1 WAS NOT FOLLOWED IN ITS ENTIRETY IN THAT INSTRUMENT AND ELECTRICAL TECHNICIANS RESTARTED PROCEDURE IP/2/A/305/3B (RPS CHANNEL "B" CALIBRATION AND FUNCTIONAL TEST) AFTER A TWO DAY DELAY

1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): 846

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

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

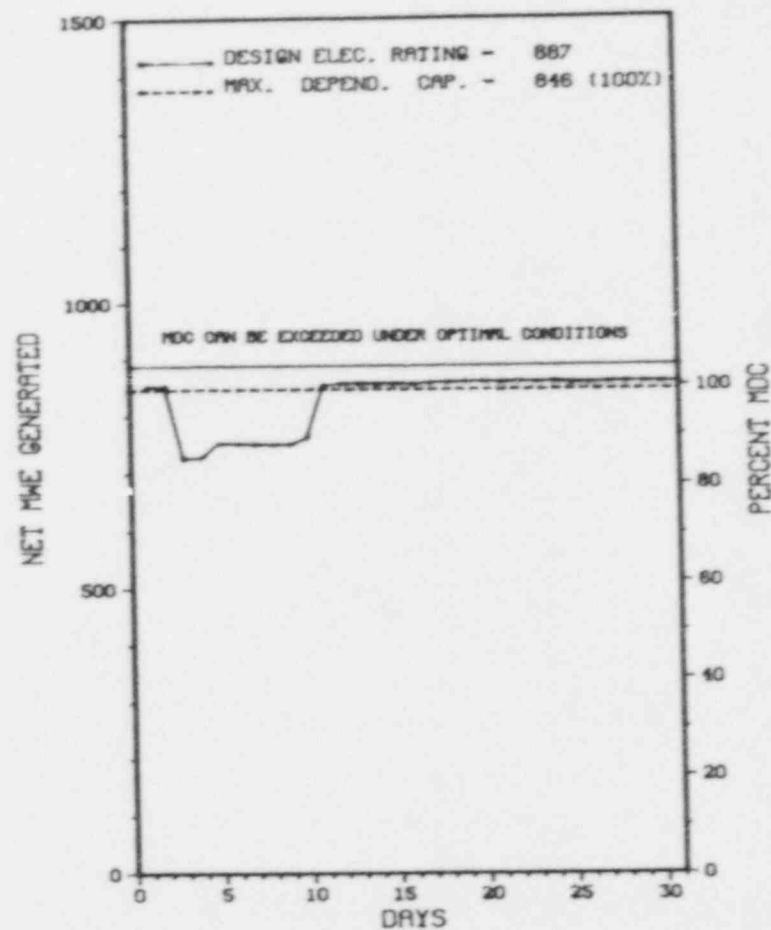
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>115,080.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>84,093.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>82,729.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,847,112</u>	<u>1,847,112</u>	<u>202,746,573</u>
18. Gross Elec Ener (MWH)	<u>642,838</u>	<u>642,838</u>	<u>69,853,383</u>
19. Net Elec Ener (MWH)	<u>616,050</u>	<u>616,050</u>	<u>66,544,680</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.9</u>
22. Unit Cap Factor (MDC Net)	<u>97.9</u>	<u>97.9</u>	<u>67.1*</u>
23. Unit Cap Factor (DER Net)	<u>93.4</u>	<u>93.4</u>	<u>65.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,625.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 3



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1-P	01/03/88	F	0.0	A	5		CH	HTEXCH	STEAM GENERATOR TUBE LEAK
2-P	01/04/88	F	0.0	A	5		CH	HTEXCH	STEAM GENERATOR TUBE LEAK

***** OCONEE 3 INCURRED 2 POWER REDUCTIONS IN JANUARY DUE TO STEAM GENERATOR TUBE LEAK.
 * 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)

* OCONEE 3 *

FACILITY DATA

Report Period JAN 1988

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. PASTIS
DOCKET NUMBER.....50-287

LICENSE & DATE ISSUANCE...DPR-55, JULY 19, 1974

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION DECEMBER 8-9 (87-50): THIS REACTIVE INSPECTION WAS CONDUCTED AT THE DUKE NUCLEAR SECURITY DEPARTMENT IN RESPONSE TO THE LICENSEE NOTIFYING THE NRC THAT IT HAD DISCOVERED A POTENTIAL COMPROMISE OF SAFEGUARDS INFORMATION. AS OF THE DATE OF ISSUANCE OF THIS REPORT, THE RESULTS OF THIS INSPECTION WERE STILL BEING EVALUATED BY NRC.

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ENFORCEMENT SUMMARY

INDIVIDUAL ACCESSED THE PROTECTED AREA WITHOUT A PICTURE BADGE. VIOLATION OF TS 3.8.6 IN THAT CONTAINMENT CLOSURE CONDITIONS WERE NOT MAINTAINED DURING REFUELING OUTAGES PERFORMED ON UNITS 1, 2 AND 3.
(8704 4)

ASSIGNMENT OF UNQUALIFIED GUARD TO PA PATROL.
(8704 5)

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-Line Hrs: 744.0

3. Utility Contact: JOHN H. SEDAR JR. (609) 971-4698

4. Licensed Thermal Power (MWT): 1930

5. Nameplate Rating (Gross MWe): 687.5 X .98 = 674

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

 * OYSTER CREEK 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 OYSTER CREEK 1

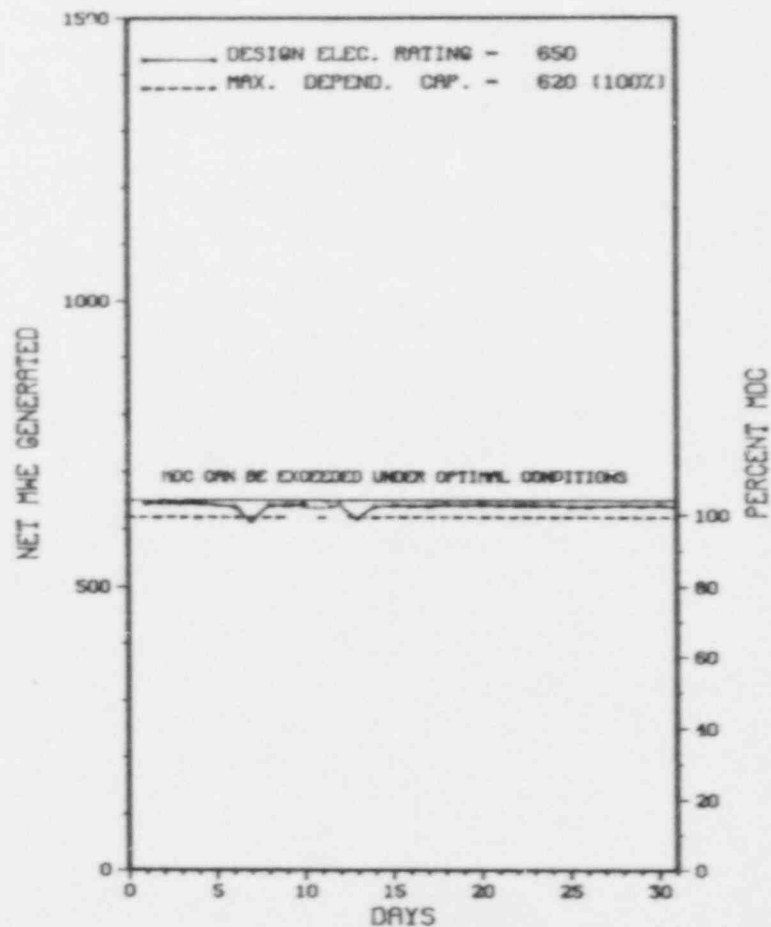
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>158,736.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>101,895.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,208.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>98,535.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,761.4</u>
17. Gross Therm Ener (MWH)	<u>1,429,000</u>	<u>1,429,000</u>	<u>164,193,408</u>
18. Gross Elec Ener (MWH)	<u>493,070</u>	<u>493,070</u>	<u>55,411,424</u>
19. Net Elec Ener (MWH)	<u>475,563</u>	<u>475,563</u>	<u>53,198,451</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>62.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>63.2</u>
22. Unit Cap Factor (MDC Net)	<u>103.1</u>	<u>103.1</u>	<u>54.1*</u>
23. Unit Cap Factor (DER Net)	<u>98.3</u>	<u>98.3</u>	<u>51.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>14,446.5</u>

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

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



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* OYSTER CREEK 1 *
XX

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

NONE

XXXXXXXXXXXX OYSTER CREEK OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.
* SUMMARY *
XXXXXXXXXXXX

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

* OYSTER CREEK 1 *

FACILITY DATA

Report Period JAN 1988

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.....A. DROMERICK
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 JAN 1988

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

* O Y S T E R C R E E K 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-255 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. C. PACKARD (616) 764-8913

4. Licensed Thermal Power (MMt): 2530

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

5. Design Electrical Rating (Net MWe): 805

6. Maximum Dependable Capacity (Gross MWe): 770

7. Maximum Dependable Capacity (Net MWe): 730

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

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

10. Reasons for Restrictions, If Any:
NONE

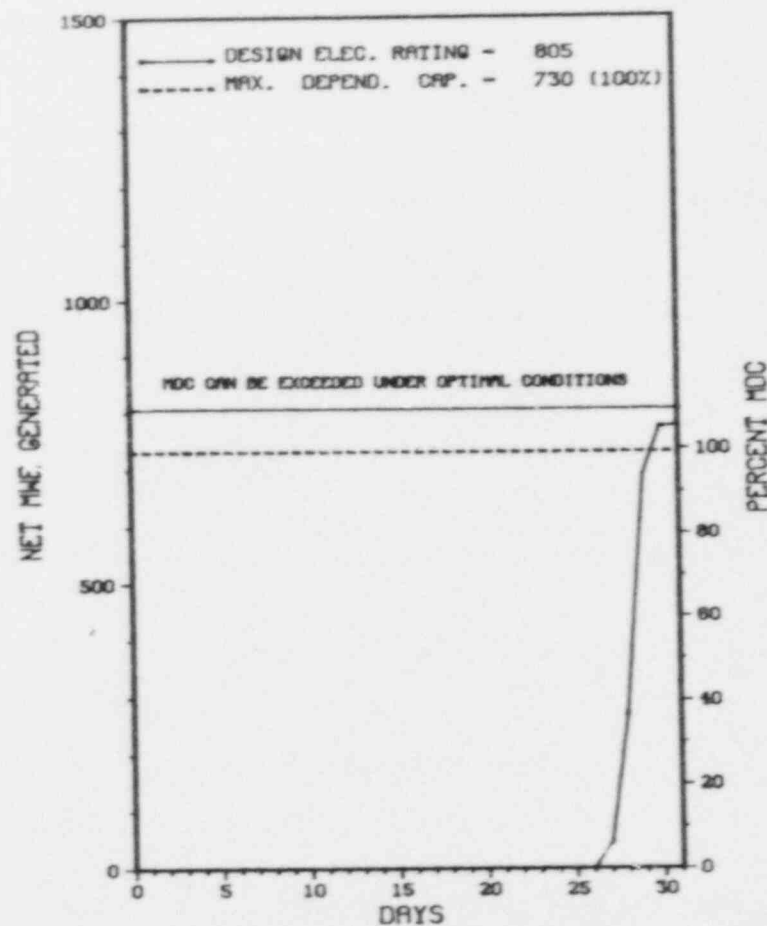
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>141,303.0</u>
13. Hours Reactor Critical	<u>134.2</u>	<u>134.2</u>	<u>74,151.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>104.8</u>	<u>104.8</u>	<u>70,371.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>204,576</u>	<u>204,576</u>	<u>147,392,493</u>
18. Gross Elec Ener (MWH)	<u>65,640</u>	<u>65,640</u>	<u>45,976,160</u>
19. Net Elec Ener (MWH)	<u>61,197</u>	<u>61,197</u>	<u>43,278,231</u>
20. Unit Service Factor	<u>14.1</u>	<u>14.1</u>	<u>49.8</u>
21. Unit Avail Factor	<u>14.1</u>	<u>14.1</u>	<u>49.8</u>
22. Unit Cap Factor (MDC Net)	<u>11.3</u>	<u>11.3</u>	<u>42.0</u>
23. Unit Cap Factor (DER Net)	<u>10.2</u>	<u>10.2</u>	<u>38.0</u>
24. Unit Forced Outage Rate	<u>85.9</u>	<u>85.9</u>	<u>36.2</u>
25. Forced Outage Hours	<u>639.2</u>	<u>639.2</u>	<u>25,898.7</u>

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

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

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PALISADES



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	12/04/87	F	639.2	A	4				TUBE LEAK IN "B" STEAM GENERATOR

***** PALISADES ENTERED JANUARY IN AN OUTAGE AND SUBSEQUENTLY RETURNED TO POWER.
* 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)

* PALISADES *

FACILITY DATA

Report Period JAN 1988

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

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 26-30 AND DECEMBER 17, 1987 (REPORT NO. 50-255/87027(DRS)): SPECIAL, ANNOUNCED TEAM INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; ELECTRICAL AND MECHANICAL MODIFICATIONS; ELECTRICAL AND MECHANICAL MAINTENANCE ACTIVITIES; OPERATIONS AND SYSTEMS USING SELECTED PORTIONS OF MODULES 37702, 62700, 62702 AND 92720. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (LACK OF TIMELY CORRECTIVE ACTIONS, (PARAGRAPHS 2.D AND 3.D(3)) AND FAILURE TO FOLLOW PROCEDURES IN ELECTRICAL MAINTENANCE (PARAGRAPH 3.C(1)). OVERALL, THE TEAM CONCLUDED THAT LICENSEE PERFORMANCE WAS CONTINUING TO IMPROVE IN THE MAINTENANCE AND MODIFICATION PROGRAMS, THEREBY CONTRIBUTING TO THE CONTINUED IMPROVEMENT IN THE MATERIAL CONDITION OF THE PLANT.

INSPECTION ON NOVEMBER 3 THROUGH DECEMBER 1, 1987 (REPORT NO. 50-255/87029(DRP)): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS AND REGION III STAFF OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; PHYSICAL SECURITY; RADIOLOGICAL PROTECTION; REPORTABLE EVENTS; AND REGIONAL REQUESTS. OF THE AREAS INSPECTED, ONE VIOLATION AND ONE UNRESOLVED ITEM WERE IDENTIFIED. THE VIOLATION INVOLVED THE OPERATING PRACTICES WHICH PERMITTED AN INCORRECT VALVE LINEUP-CHECK PROCEDURE TO BE USED SEVEN TIMES WITHOUT BEING DISCOVERED. THE UNRESOLVED ITEM CONCERNED THE DIESEL FUEL OIL STORAGE TANK LEVEL INSTRUMENT WHICH, BY BEING IN ERROR, ALLOWED THE PLANT TO OPERATE IN VIOLATION OF THE TECHNICAL SPECIFICATION REQUIREMENTS FOR ABOUT NINE DAYS.

INSPECTION ON NOVEMBER 16 THROUGH DECEMBER 14, 1987 (REPORT NO. 50-255/87030(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS, INTERNAL AND EXTERNAL EXPOSURE CONTROLS, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, TRAINING AND QUALIFICATION, AUDITS AND APPRAISALS, RADWASTE, TRANSPORTATION, AND THE ALARA PROGRAM. ALSO, LICENSEE RESPONSES TO CERTAIN NRC INFORMATION NOTICES, CERTAIN LERS, AND OPEN ITEMS WERE REVIEWED. TWO

INSPECTION SUMMARY

VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW PROCESS CONTROL PROGRAM AND RADWASTE BURIAL SITE REQUIREMENTS - SECTION 14; AND FAILURE TO FOLLOW DEPARTMENT OF TRANSPORTATION REGULATIONS - SECTION 15).

INSPECTION ON NOVEMBER 16-25, 1987 (REPORT NO. 50-255/87031(DRS)): ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S IMPLEMENTATION OF GENERIC LETTER 83-28 IN THE AREAS OF EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, POST MAINTENANCE TESTING AND REACTOR TRIP SYSTEM RELIABILITY. CLOSED TI 2515/64RI AND TI 2515/91. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THE IMPLEMENTATION OF CERTAIN PROCEDURES INCLUDING THOSE GOVERNING THE OPERATION OF THE PLANT SYSTEMS. INCLUDED IN THE PROCEDURES GOVERNING OPERATION OF THE PLANT SYSTEMS IS ADMINISTRATIVE PROCEDURE 4.02 WHICH REQUIRES THAT WHEN A VALVE " . . . POSITION IS FOUND TO BE DIFFERENT FROM THAT SPECIFIED, THE SHIFT SUPERVISOR SHALL BE NOTIFIED AND HE SHALL AUTHORITY THE POSITIONING OF THE VALVE. CONTRARY TO THE ABOVE, ON NOVEMBER 16, 1987, VALVE WGS-511 WAS FOUND IN A POSITION (LOCKED CLOSED) CONTRARY TO PROCEDURE NO-29 REQUIREMENTS (OPEN); SEVEN OF THE NINE PREVIOUS VALVE POSITION CHECKS PERFORMED DURING 1986 AND 1987 FAILED TO IDENTIFY AND DOCUMENT THE POSITION DISCREPANCY AND FAILED TO REPORT SAME TO THE SHIFT SUPERVISOR.
(8702 4)

TECHNICAL SPECIFICATION 3.24.7.1 REQUIRES THAT THE SOLID RADWASTE SYSTEM BE OPERATED IN ACCORDANCE WITH THE PROCESS CONTROL PROGRAM TO MEET SHIPPING AND BURIAL GROUND REQUIREMENTS. THE PROCESS CONTROL PROGRAM, IN PART, SPECIFIES THE PROCEDURALLY REQUIRED PROCESS TEMPERATURE PROFILES FOR WASTE FEED ZONES AND A MINIMUM SOLID RADWASTE SYSTEM TEMPERATURE AND REQUIRES THAT THE END PRODUCT BE A MONOLITHIC, FREE-STANDING SOLID WITH NO FREE LIQUID. CONTRARY TO THE ABOVE, ON SEPTEMBER 30, 1987, AT THE BARNWELL WASTE BURIAL FACILITY, A STATE OF SOUTH CAROLINA INSPECTOR FOUND THAT DRUM NO. 184 OF EXCLUSIVE USE RADIOACTIVE WASTE SHIPMENT NO. 0987-187, SHIPPED FROM PALISADES TO BARNWELL CLASSIFIED AS RADIOACTIVE MATERIAL, LSA, N.O.S., DESCRIBED AS LIQUID SOLIDIFIED WITH BITUMEN PACKAGED IN 21 STEEL DRUMS, WAS NOT A FREE-STANDING MONOLITH AND CONTAINED LIQUID IN EXCESS OF REGULATORY LIMITS. DRUM NO. 183 (SAME BATCH AS DRUM NO. 184) WAS ALSO FOUND TO CONTAIN EXCESSIVE LIQUID (APPROXIMATELY TWO LITERS). LICENSEE FOLLOWUP INVESTIGATION OF SOLID RADWASTE PROCESS RECORDS FOR THESE DRUMS FOUND THAT WASTE FEED ZONE TEMPERATURES WERE 60X TO 100X LOWER THAN PROCEDURAL REQUIREMENTS AND 15X TO 70X LOWER THAN THE MINIMUM TEMPERATURE ALLOWED BY THE PROCESS CONTROL PROGRAM. 10 CFR 71.5 PROHIBITS TRANSPORT OF ANY LICENSED MATERIALS OUTSIDE THE CONFINES OF A PLANT OR OTHER PLACE OF USE OR DELIVERY OF LICENSED MATERIAL TO A CARRIER FOR TRANSPORT UNLESS THE LICENSEE COMPLIES WITH APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION IN 49 CFR PARTS 170-189. (A) 49 CFR 177.817(A) REQUIRES THAT A CARRIER NOT TRANSPORT HAZARDOUS MATERIAL, INCLUDING RADIOACTIVE MATERIAL, UNLESS IT IS ACCOMPANIED BY A SHIPPING PAPER PREPARED IN ACCORDANCE WITH SECTIONS 172.200-203. CONTRARY TO THE ABOVE, IN SEPTEMBER 1987, THE LICENSEE, ACTING AS A CARRIER, TRANSPORTED RADIOACTIVE MATERIAL WITHOUT SHIPPING PAPERS. (B) 49 CFR 173.475(B) REQUIRES THAT BEFORE EACH SHIPMENT OF ANY RADIOACTIVE MATERIALS PACKAGE, THE SHIPPER ENSURES BY EXAMINATION OR APPROPRIATE TEST, THAT THE PACKAGE IS IN UNIMPAIRED PHYSICAL CONDITION, EXCEPT FOR SUPERFICIAL MARKS. CONTRARY TO THE ABOVE, ON MARCH 9, 1987, AT THE RICHLAND WASTE BURIAL FACILITY, A STATE OF WASHINGTON INSPECTOR FOUND THAT BOX NO. BTC686-045 OF RADIOACTIVE MATERIAL LSA SHIPMENT NO. 87-009-S, SHIPPED FROM PALISADES TO RICHLAND, HAD A SMALL CRACK THAT LEAKED A SMALL AMOUNT OF DRY NONRADIOACTIVE ABSORBENT MATERIAL. 10 CFR 50 APPENDIX R SECTION III.I.3.B REQUIRES THAT FIRE BRIGADE DRILLS SHALL BE PERFORMED AT REGULAR INTERVALS WITH EACH FIRE BRIGADE NUMBER PARTICIPATING IN AT LEAST TWO DRILLS PER YEAR. SECTION III.I.1.A REQUIRES THAT INITIAL AND PERIODIC REFRESHER TRAINING BE PROVIDED TO ALL FIRE BRIGADE MEMBERS. CONTRARY TO THE ABOVE, ON OCTOBER 20, 1987, IT WAS DETERMINED THAT AT LEAST 20 FIRE BRIGADE MEMBERS DID NOT PARTICIPATE IN THE REQUIRED TWO DRILLS PER YEAR AND FIVE MEMBERS DID NOT ATTEND EITHER THE INITIAL OR REFRESHER TRAINING REQUIRED FOR BRIGADE MEMBERSHIP. ALSO ON OCTOBER 20, 1987, IT WAS DETERMINED THAT A SIMILAR TYPE OF FIRE BRIGADE TRAINING DEFICIENCY WAS IDENTIFIED IN 1983 BY NRC AS A VIOLATION AND WAS ALLOWED TO RECUR IN 1984, 1985 AND 1986 AS EVIDENCED BY THE QA AUDITS OF THE FIRE BRIGADE TRAINING FOR THOSE YEARS. 10 CFR 50 APPENDIX R SECTION III.I.3.B REQUIRES THAT FIRE BRIGADE DRILLS SHALL BE PERFORMED AT REGULAR INTERVALS WITH EACH FIRE BRIGADE NUMBER PARTICIPATING IN AT LEAST TWO DRILLS PER YEAR. SECTION III.I.1.A REQUIRES THAT INITIAL AND PERIODIC REFRESHER TRAINING BE PROVIDED TO ALL FIRE BRIGADE MEMBERS. CONTRARY TO THE ABOVE, ON OCTOBER 20, 1987, IT WAS DETERMINED THAT AT LEAST 20 FIRE BRIGADE MEMBERS DID NOT PARTICIPATE IN THE REQUIRED TWO DRILLS PER YEAR AND FIVE MEMBERS DID NOT ATTEND EITHER THE INITIAL OR REFRESHER TRAINING REQUIRED FOR BRIGADE MEMBERSHIP. ALSO ON OCTOBER 26, 1987, IT WAS DETERMINED THAT A SIMILAR TYPE OF FIRE

ENFORCEMENT SUMMARY

BRIGADE TRAINING DEFICIENCY WAS IDENTIFIED IN 1983 BY NRC AS A VIOLATION AND WAS ALLOWED TO RECUR IN 1984, 1985 AND 1986 AS EVIDENCED BY THE QA AUDITS OF THE FIRE BRIGADE TRAINING FOR THOSE YEARS. 10 CFR 20.311(B) REQUIRES, IN PART, THAT EACH SHIPMENT OF RADIOACTIVE WASTE TO A LICENSED LAND DISPOSAL FACILITY MUST BE ACCOMPANIED BY A SHIPPING MANIFEST WHICH INDICATES A COMPLETELY AS PRACTICABLE THE RADIONUCLIDE IDENTITY AND QUANTITY AND THE TOTAL RADIOACTIVITY OF THE SHIPMENT. 10 CFR 20.311(C), REQUIRES, IN PART, THAT THE MANIFEST MUST INCLUDE A CERTIFICATION BY THE WASTE GENERATOR THAT THE TRANSPORTED MATERIALS ARE PROPERLY DESCRIBED. CONTRARY TO THE ABOVE, ON OR ABOUT JUNE 27, 1986, LICENSEE'S SHIPMENT NO 86-44 WAS ACCOMPANIED BY A SHIPPING MANIFEST WHICH INDICATED THAT THE TOTAL RADIOACTIVITY WAS 0.1 MILLICURIE WHEN THE ACTIVITY WAS 120.8 MILLICURIES. FURTHER, THE CERTIFICATION WHICH ACCOMPANIED THE MANIFEST WAS ALSO IN ERROR. 10 CFR 71.5(A)(1)(VI) REQUIRES THAT SHIPPING PAPERS BE PREPARED IN ACCORDANCE WITH 49 CFR 172, SUBPART C. 49 CFR 172.203(D)(I) REQUIRES THE NAME OF EACH RADIONUCLIDE IN THE SHIPMENT AND 49 CFR 172.203(D)(III) REQUIRES THE ACTIVITY OF EACH PACKAGE IN THE SHIPMENT BE INCLUDED IN THE SHIPPING PAPERS. 49 CFR 172.204(A)(1) REQUIRES A STATEMENT THAT THE SHIPMENT IS PROPERLY DESCRIBED IN THE SHIPPING PAPERS. CONTRARY TO THE ABOVE, ON OR ABOUT MAY 1, 1986, LICENSEE'S SHIPMENT NO 86-34 WAS SENT TO A BURIAL SITE WHICH CONTAINED SEVERAL RADIONUCLIDES INCLUDING IRON-55 AND THE SHIPPING PAPERS DID NOT INCLUDE THE IDENTITY OF IRON-55 AND THE ACTIVITY RESULTING FROM THE RADIONUCLIDE. IN ADDITION, THE SHIPPER'S STATEMENT WAS IN ERROR. (8703 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN ON DECEMBER 4, 1987 TO INVESTIGATE THE SOURCE OF PRIMARY TO SECONDARY LEAKAGE IN THE 'B' STEAM GENERATOR. THE LICENSEE HAS ENTERED A MAINTENANCE OUTAGE WHICH WILL LAST UNTIL THE END JANUARY, 1988.

LAST IE SITE INSPECTION DATE: 03/02/88

INSPECTION REPORT NO: 88007

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

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1. Docket: 50-528 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. L. HULL (602) 393-2679

4. Licensed Thermal Power (Mwt): 5800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

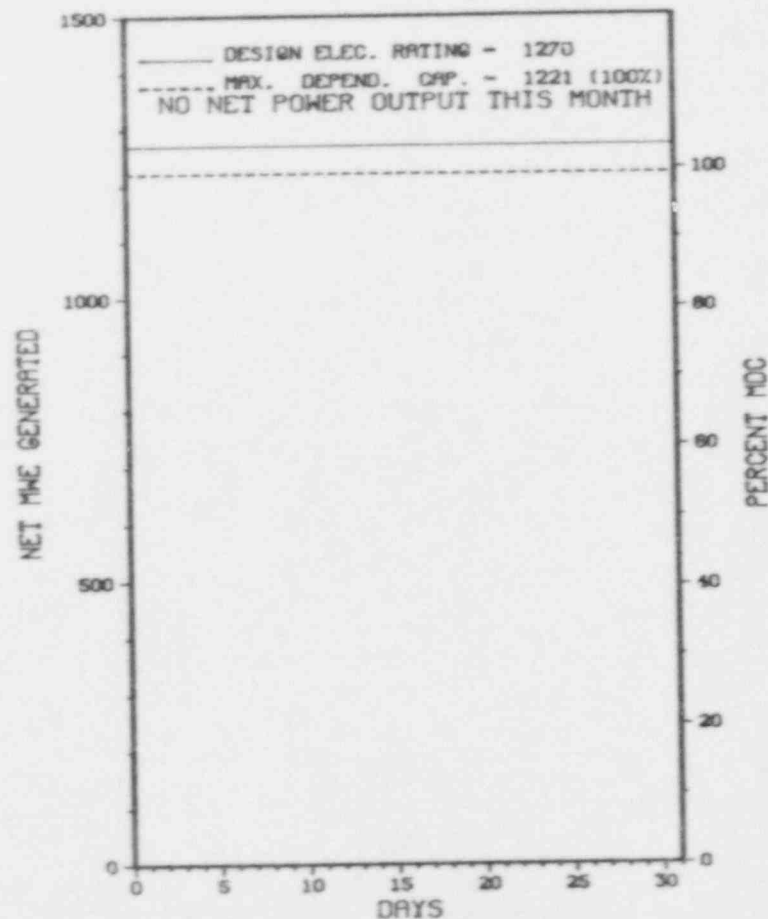
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>17,616.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>9,977.2</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>9,717.1</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>35,032,837</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>12,143,300</u>
19. Net Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>11,328,114</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>55.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>55.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>50.6</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>32.8</u>
25. Forced Outage Hours	<u>462.1</u>	<u>462.1</u>	<u>4,753.8</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>03/02/88</u>			

* PALO VERDE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PALO VERDE 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * PALO VERDE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
10	10/01/87	S	281.9	C	4			UNIT SHUT DOWN DUE TO REFUELING OUTAGE.
11	01/12/88	F	462.1	A	1			UNIT SHUTDOWN TO REPAIR AN INOPERABLE CONTROL ELEMENT ASSEMBLY.

***** PALO VERDE 1 REMAINED SHUT DOWN IN JANUARY FOR SCHEDULED REFUELING OUTAGE AND FOR REPAIRS.
 * 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)

* PALO VERDE 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ARIZONA
COUNTY.....MARICOPA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...36 MI W OF
PHOENIX, AZ
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 25, 1985
DATE ELEC ENER 1ST GENER...JUNE 10, 1985
DATE COMMERCIAL OPERATE...JANUARY 28, 1986
CONDENSER COOLING METHOD...TREATED SEWAGE
CONDENSER COOLING WATER...SEWAGE TREATMENT
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....T. POLICH
LICENSING PROJ MANAGER.....E. LICITRA
DOCKET NUMBER.....50-528
LICENSE & DATE ISSUANCE...NPF-41, JUNE 1, 1985
PUBLIC DOCUMENT ROOM.....MS STEFANIE MORITZ
DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST MCDOWELL ROAD
PHOENIX, ARIZONA 85004

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

INSPECTION SUMMARY

- + INSPECTION ON OCTOBER 1 - DECEMBER 9, 1987 (REPORT NO. 50-528/87-32) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON DECEMBER 7-11, 1987 (REPORT NO. 50-528/87-33) AREAS INSPECTED: ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE AND ASSOCIATED CRITIQUES. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON NOVEMBER 2, 1987 - JANUARY 29, 1988 (REPORT NO. 50-528/87-37) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON DECEMBER 12, 1987 - JANUARY 2, 1988 (REPORT NO. 50-528/87-42) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; RECORDS AND REPORTS; PHYSICAL BARRIERS; LIGHTING; ACCESS CONTROL; PERSONNEL TRAINING AND QUALIFICATIONS PLAN AND FOLLOWUP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON DECEMBER 6, 197 - JANUARY 16, 1988 (REPORT NO. 50-528/87-43) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE TWO DISTRICT INSPECTORS AND ONE REGIONALLY BASED INSPECTOR. AREAS INSPECTED INCLUDED: REVIEW OF

INSPECTION SUMMARY

PLANT ACTIVITIES; PLANT TOURS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; VERIFICATION OF CONTAINMENT INTEGRITY; CONTAINMENT LOCAL LEAK RATE TESTING; MAINTENANCE PROGRAM IMPLEMENTATION; DESIGN CHANGES AND TEMPORARY MODIFICATIONS; LICENSED OPERATOR TRAINING; FOLLOWUP LICENSEE EVENT REPORTS; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

- + INSPECTION ON JANUARY 4 - FEBRUARY 12, 1988 (REPORT NO. 50-528/88-01) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 17 - FEBRUARY 27, 1988 (REPORT NO. 50-528/88-02) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 11-15, 1988 (REPORT NO. 50-528/88-03) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON FEBRUARY 1-5, 1988 (REPORT NO. 50-528/88-04) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON FEBRUARY 1-26, 1988 (REPORT NO. 50-528/88-05) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON FEBRUARY 1-5, 1988 (REPORT NO. 50-528/88-06) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 27-29, 1988 (REPORT NO. 50-528/88-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ A CONTROL ROD BECAME STUCK DURING ROD TESTING WHILE RECOVERING FROM THE PRESENT REFUELING OUTAGE. LICENSEE INVESTIGATION IN PROGRESS.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

+ THE SALP REPORT WAS ISSUED ON FEBRUARY 2, 1988.

PLANT STATUS:

+ THE PLANT ACHIEVED INITIAL CRITICALITY ON MAY 25, 1985. THE PLANT ACHIEVED 100% POWER ON DECEMBER 9, 1985. COMMERCIAL OPERATION WAS DECLARED ON FEBRUARY 13, 1986. THE UNIT WAS SHUT DOWN ON OCTOBER 3, 1987, FOR ITS FIRST REFUELING OUTAGE AND IS CURRENTLY IN MCDE 6.

LAST IE SITE INSPECTION DATE: 01/17 - 02/27/88+

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* PALO VERDE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

INSPECTION REPORT NO: 50-528/88-02+

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

HUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-25-10	11-27-87	12-23-87	MODS TO STEAM LINE ISOLATION VALVES IN TURBINE-DRIVEN AFW PUMP RENDER PUMP INOPERABLE

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1. Docket: 50-529 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. L. HULL (602) 393-2679

4. Licensed Thermal Power (Mwt): 5800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

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

11. Reasons for Restrictions, If Any:
NONE

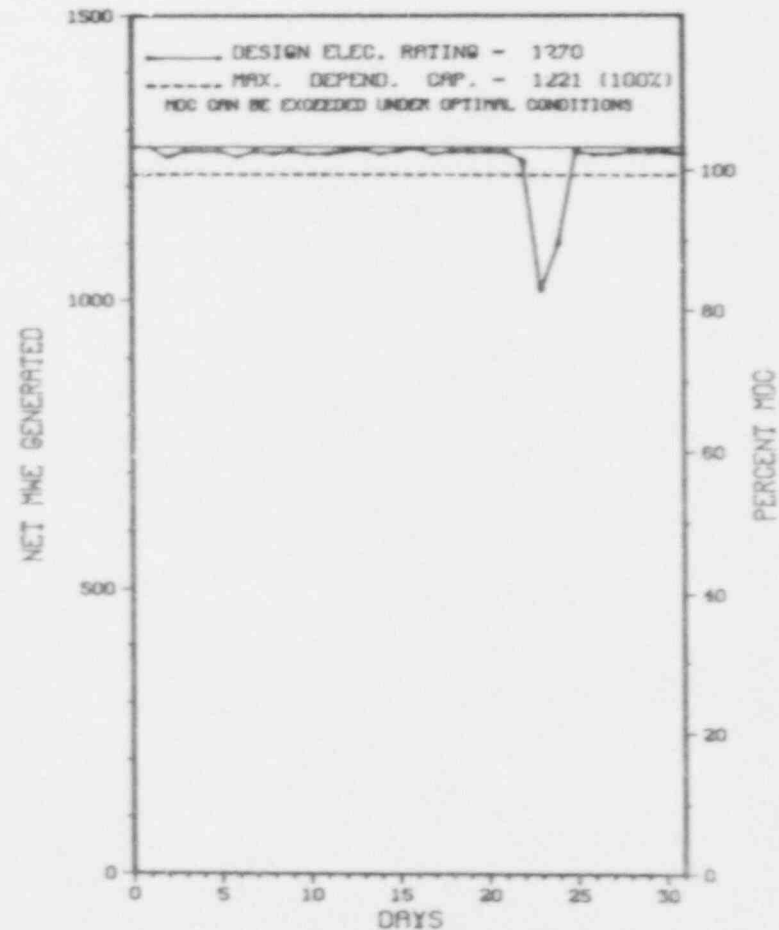
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>12,000.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>10,019.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>9,870.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,796,621</u>	<u>2,796,621</u>	<u>36,003,788</u>
18. Gross Elec Ener (MWH)	<u>984,300</u>	<u>984,300</u>	<u>12,645,570</u>
19. Net Elec Ener (MWH)	<u>927,757</u>	<u>927,757</u>	<u>11,864,639</u>
20. Unit Service factor	<u>100.0</u>	<u>100.0</u>	<u>82.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>82.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>102.1</u>	<u>81.0</u>
23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>98.2</u>	<u>77.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>637.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 2/21/88 - DURATION 84 DAYS.

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

* PALO VERDE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PALO VERDE 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * PALO VERDE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/22/88	S	0.0	B	5				POWER REDUCTION TO APPROXIMATELY 75% FOR CEAC TESTING.

 * SUMMARY *

 PALO VERDE 2 INCURRED 1 POWER REDUCTION IN JANUARY DUE TO CEAC TESTING.

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

INSPECTION SUMMARY

PLANT ACTIVITIES; PLANT TOURS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; VERIFICATION OF CONTAINMENT INTEGRITY; CONTAINMENT LOCAL LEAK RATE TESTING; MAINTENANCE PROGRAM IMPLEMENTATION; DESIGN CHANGES AND TEMPORARY MODIFICATIONS; LICENSED OPERATOR TRAINING; FOLLOWUP LICENSEE EVENT REPORT; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE UTILIZED.

- + INSPECTION ON JANUARY 4 - FEBRUARY 12, 1988 (REPORT NO. 50-529/88-01) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 17 - FEBRUARY 27, 1988 (REPORT NO. 50-529/88-02) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 11-15, 1988 (REPORT NO. 50-529/88-03) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON FEBRUARY 1-5, 1988 (REPORT NO. 50-529/88-04) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON FEBRUARY 1-26, 1988 (REPORT NO. 50-529/88-05) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON FEBRUARY 1-5, 1988 (REPORT NO. 50-529/88-06) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 27-29, 1988 (REPORT NO. 50-529/88-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

FIRST REFUELING OUTAGE SCHEDULED FOR FEBRUARY, 1988.

MANAGERIAL ITEMS:

AN ORDER WAS ISSUED NOVEMBER 19, 1987, MODIFYING THE UNIT 2 LICENSE. THIS ORDER CONFIRMED COMMITMENTS BY THE LICENSEE TO PROVIDE VIBRATION MONITORING FOR REACTOR COOLANT PUMP SHAFTS.

PLANT STATUS:

THE LICENSEE DECLARED THE UNIT IN COMMERCIAL OPERATION ON SEPTEMBER 21, 1986. THE UNIT IS CURRENTLY AT 100% POWER.

LAST IE SITE INSPECTION DATE: 01/17 - 02/27/88+

INSPECTION REPORT NO: 50-529/88-02+

Report Period JAN 1988

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

* PALO VERDE 2 *

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
87-19-L0	11-22-87	12-21-87	REACTOR TRIP DURING STARTUP DUE TO AXIAL SHAPE INDEX
87-21-L0	12-02-87	12-29-87	PALL 005 APROX 20 DAYS DUE TO FAILURE TO RESTORE SYSTEM TO OPERABLE STATUS FOLLOWING MAINTENANCE

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1. Docket: 50-530 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 576.0

3. Utility Contact: J.M. COLVILLE 602-393-2679

4. Licensed Thermal Power (MHT): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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>576.0</u>	<u>576.0</u>	<u>576.0</u>
13. Hours Reactor Critical	<u>576.0</u>	<u>576.0</u>	<u>576.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>576.0</u>	<u>576.0</u>	<u>576.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,173,113</u>	<u>2,173,113</u>	<u>2,173,113</u>
18. Gross Elec Ener (MWH)	<u>764,900</u>	<u>764,900</u>	<u>764,900</u>
19. Net Elec Ener (MWH)	<u>724,533</u>	<u>724,533</u>	<u>724,533</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>103.0</u>	<u>103.0</u>	<u>103.0</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>99.0</u>	<u>99.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>.0</u>

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

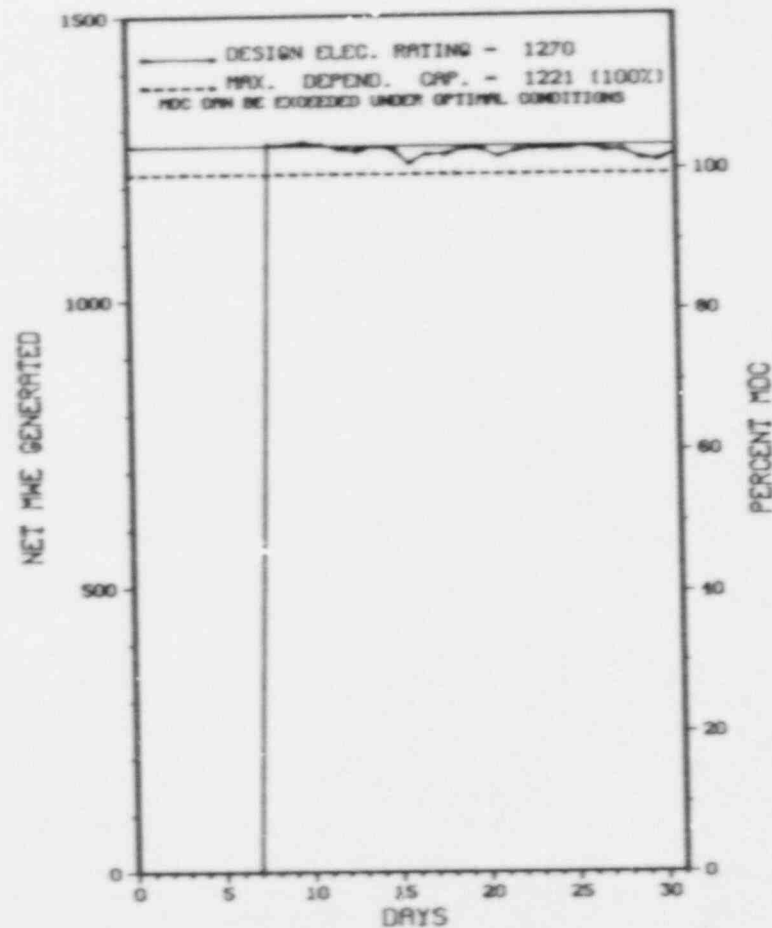
NONE

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

 * PALO VERDE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 3



JANUARY 1988

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

 * SUMMARY *

 PALO VERDE 3 DECLARED IN COMMERCIAL OPERATION 1/8/88 AND, SUBSEQUENTLY, OPERATED
 ROUTINELY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS DURING JANUARY.

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

1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: L. L. MIDDLETON (215) 841-6374

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

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

11. Reasons for Restrictions, If Any:
NRC ORDER OF 3/31/87

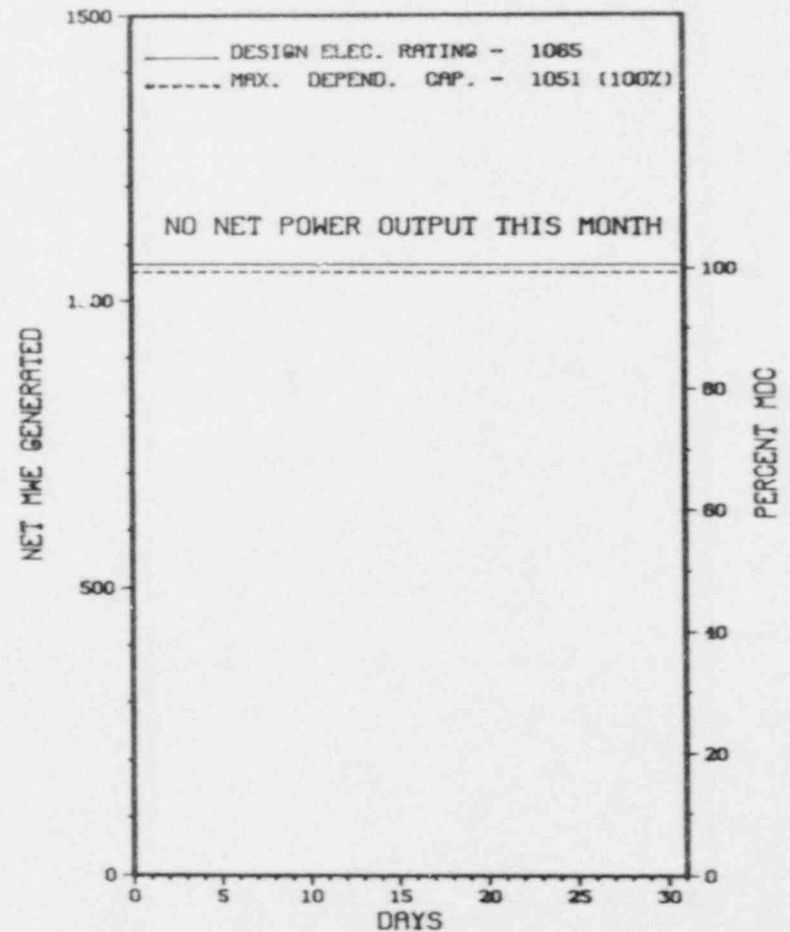
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>119,016.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>74,196.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>71,866.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>212,810,745</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>70,019,230</u>
19. Net Elec Ener (MWH)	<u>-4,235</u>	<u>-4,235</u>	<u>67,036,881</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>60.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>60.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>53.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,304.0</u>

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

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

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PEACH BOTTOM 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	03/31/87	S	744.0	C	4		RC	FUELXX	CONTINUATION OF RESTART ACTIVITIES.

 * SUMMARY *

 PEACH BOTTOM 2 REMAINED SHUTDOWN IN ACCORDANCE WITH NRC ORDER, HOWEVER,
 CONTINUED SCHEDULED REFUELING ACTIVITY.

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

* PEACH BOTTOM 2 *

FACILITY DATA

Report Period JAN 1988

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....R. MARTIN
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):

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: 50-278 O P E R A T I N G S T A T U S
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: L. L. MIDDLETON (215) 841-6374
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: _____

NRC ORDER OF 3/31/87

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>114,912.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>76,366.3</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>74,059.3</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>215,278,901</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>70,611,432</u>
19. Net Elec Ener (MWH)	<u>-4,235</u>	<u>-4,235</u>	<u>67,697,920</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>64.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>64.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,372.7</u>

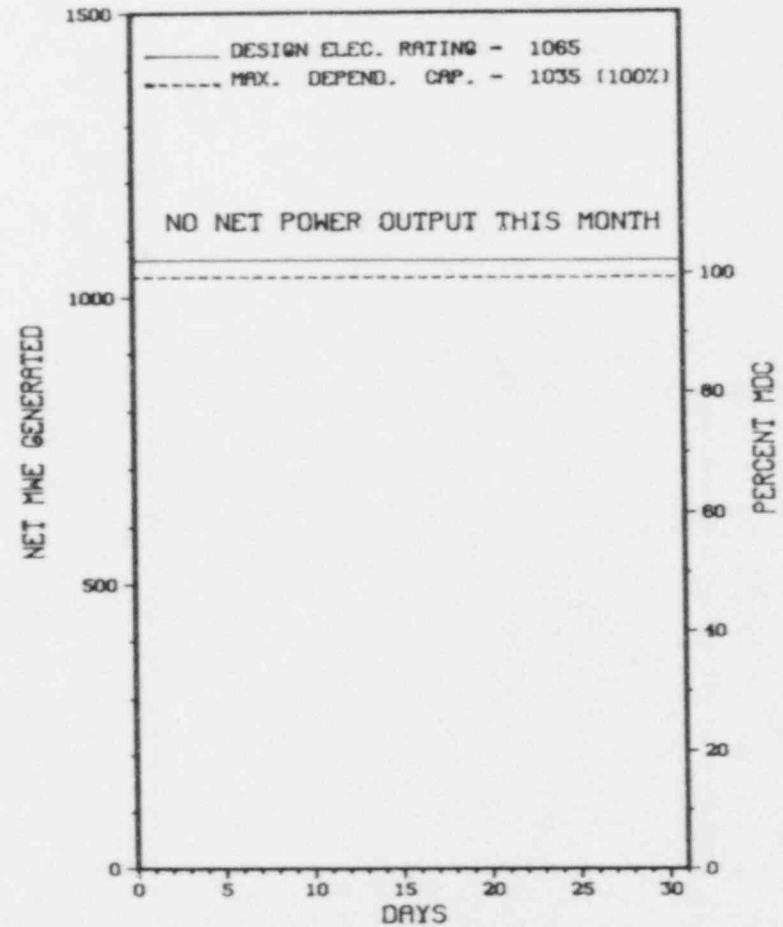
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 PEACH BOTTOM 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	03/31/87	S	744.0	C	4		RC	FUELXX	CONTINUATION OF REFUEL AND PIPE REPLACEMENT ACTIVITY.

* SUMMARY *

PEACH BOTTON 3 REMAINED SHUTDOWN IN ACCORDANCE WITH NRC ORDER, HOWEVER,
SCHEDULED REFUELING ACTIVITY IS CONTINUING.

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

* PEACH BOTTOM 3 *

FACILITY DATA

Report Period JAN 1988

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.....R. MARTIN
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 JAN 1988

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

* PEACH BOTTOM 3 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-440 OPERATING STATUS
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: G. A. DUNN (216) 259-3737
 4. Licensed Thermal Power (MWT): 3579
 5. Nameplate Rating (Gross MWe): 1250
 6. Design Electrical Rating (Net MWe): 1205
 7. Maximum Dependable Capacity (Gross MWe): 1250
 8. Maximum Dependable Capacity (Net MWe): 1205
 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

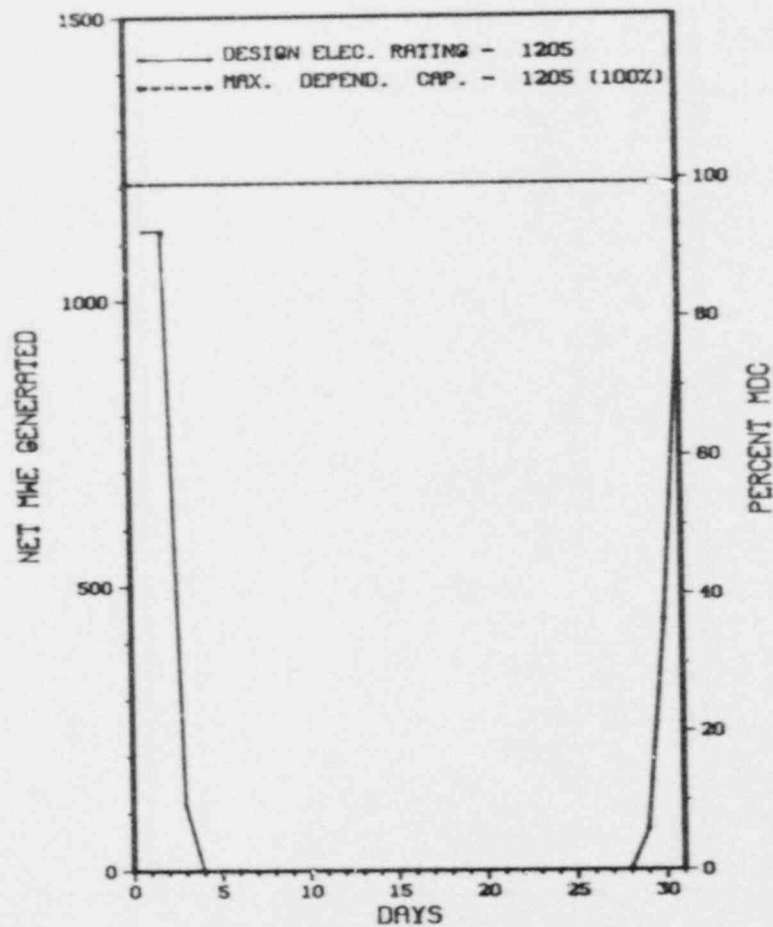
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>1,788.0</u>
13. Hours Reactor Critical	<u>163.5</u>	<u>163.5</u>	<u>974.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>118.1</u>	<u>118.1</u>	<u>891.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>297,101</u>	<u>297,101</u>	<u>2,858,620</u>
18. Gross Elec Ener (MWH)	<u>98,154</u>	<u>98,154</u>	<u>976,616</u>
19. Net Elec Ener (MWH)	<u>81,871</u>	<u>81,871</u>	<u>910,355</u>
20. Unit Service Factor	<u>15.9</u>	<u>15.9</u>	<u>49.9</u>
21. Unit Avail Factor	<u>15.9</u>	<u>15.9</u>	<u>49.9</u>
22. Unit Cap Factor (MDC Net)	<u>9.1</u>	<u>9.1</u>	<u>42.3</u>
23. Unit Cap Factor (DER Net)	<u>9.1</u>	<u>9.1</u>	<u>42.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>23.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>270.6</u>

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X PERRY 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 PERRY 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * PERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/03/88	S	625.9	B	9	88-01			A PLANT SHUTDOWN WAS COMMENCED ON JANUARY 3, 1988 FOR A PLANNED MAINTENANCE/SURVEILLANCE OUTAGE. DURING THE SHUTDOWN, PROCEDURAL DEFICIENCIES RESULTED IN AN UPSCALE TRIP ON INTERMEDIATE RANGE MONITORS, AND AN AUTOMATIC REACTOR SCRAM. THE OUTAGE CONTINUED UNTIL JANUARY 29. MAJOR WORK PERFORMED INCLUDED REPLACEMENT OF A REACTOR FEEDWATER PUMP, REPAIRS TO THE HOT SURGE TANK AND THE "B" FINAL STAGE FEEDWATER HEATER, AND NUMEROUS SURVEILLANCE ITEMS REQUIRING SHUTDOWN CONDITIONS.

 * SUMMARY *

 PERRY 1 WAS SHUTDOWN FOR PLANNED MAINTENANCE/SURVEILLANCE OUTAGE DURING JANUARY 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	icensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* PERRY 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....OHIO

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
PAINESVILLE, OHIO

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 6, 1986

DATE ELEC ENER 1ST GENER...DECEMBER 19, 1986

DATE COMMERCIAL OPERATE...NOVEMBER 18, 1987

CONDENSER COOLING METHOD...CC HNDCT

CONDENSER COOLING WATER...LAKE ERIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CLEVELAND ELECTRIC ILLUMINATING

CORPORATE ADDRESS.....P.O. BOX 5000
CLEVELAND, OHIO 44101

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....KAISER ENGINEERS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....K. CONNAUGHTON

LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-440

LICENSE & DATE ISSUANCE...NPF-58, NOVEMBER 13, 1986

PUBLIC DOCUMENT ROOM.....PERRY PUBLIC LIBRARY
3753 MAIN ST.
PERRY, OH. 44081

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

INSPECTION SUMMARY

INSPECTION IN AUGUST 13, 1987 THROUGH OCTOBER 19, 1987 (REPORT NO. 50-440/87016(DRP)): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION ITEMS, ENGINEERED SAFETY FEATURES, OPERATIONAL SAFETY, NONROUTINE EVENTS, LICENSEE EVENT REPORTS, STARTUP TESTING, NRC REGIONAL OFFICE REQUESTS, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, ONSITE REVIEW COMMITTEE ACTIVITIES, SEISMIC MONITORING INSTRUMENTATION, SCRAM DISCHARGE VOLUME CAPABILITY, AND ALLEGATIONS. OF THE 13 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 11 AREAS; TWO VIOLATIONS WERE IDENTIFIED IN ONE AREA: (FAILURE TO PROVIDE REQUIRED INSTRUCTIONS FOR SEQUENCING MSIV REWORK ACTIVITIES - PARAGRAPH 5A; FAILURE TO PROVIDE ADEQUATE INSTRUCTIONS FOR PERIODIC FEEDWATER PUMP TURBINE STOP VALVE TESTING - PARAGRAPH 5B). ADDITIONALLY, THREE VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREA; HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.A, A NOTICE OF VIOLATION WAS NOT ISSUED (FAILURE TO MAINTAIN SECONDARY CONTAINMENT INTEGRITY DURING AN ACTIVITY WITH POTENTIAL FOR DRAINING THE REACTOR VESSEL - PARAGRAPH 6; TWO FAILURES TO PERFORM TECHNICAL SPECIFICATION-REQUIRED SURVEILLANCE TESTS - PARAGRAPH 6). ON OCTOBER 15, 1987 A MEETING BETWEEN NRC REGION III AND LICENSEE MANAGEMENT WAS CONDUCTED TO REVIEW PLANT STATUS AND LICENSEE PERFORMANCE. AT THE CLOSE OF THE INSPECTION PERIOD THE LICENSEE HAD COMPLETED TEST CONDITION 6 STARTUP TESTING AND WAS PREPARING TO PERFORM THE 100-HOUR WARRANTY RUN. THE WARRANTY RUN WAS SATISFACTORILY COMPLETED ON OCTOBER 24, 1987.

INSPECTION ON NOVEMBER 3 THROUGH DECEMBER 21, 1987 (REPORT NO. 50-440/87022(DRS)): ADEQUACY OF 10 CFR 50.59 SAFETY EVALUATIONS (CONDUCTED UNDER IE MODULE 92702). ONE VIOLATION WAS IDENTIFIED: FAILURE TO PERFORM A SAFETY EVALUATION WHEN REQUIRED BY 10 CFR 50.59 (PARAGRAPH 2.B(3)).

INSPECTION ON DECEMBER 7-11, 1987 (REPORT NO. 50-440/87026(DRSS)): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION
PAGE 2-306

 * PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1

1. Docket: 50-293 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
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: _____

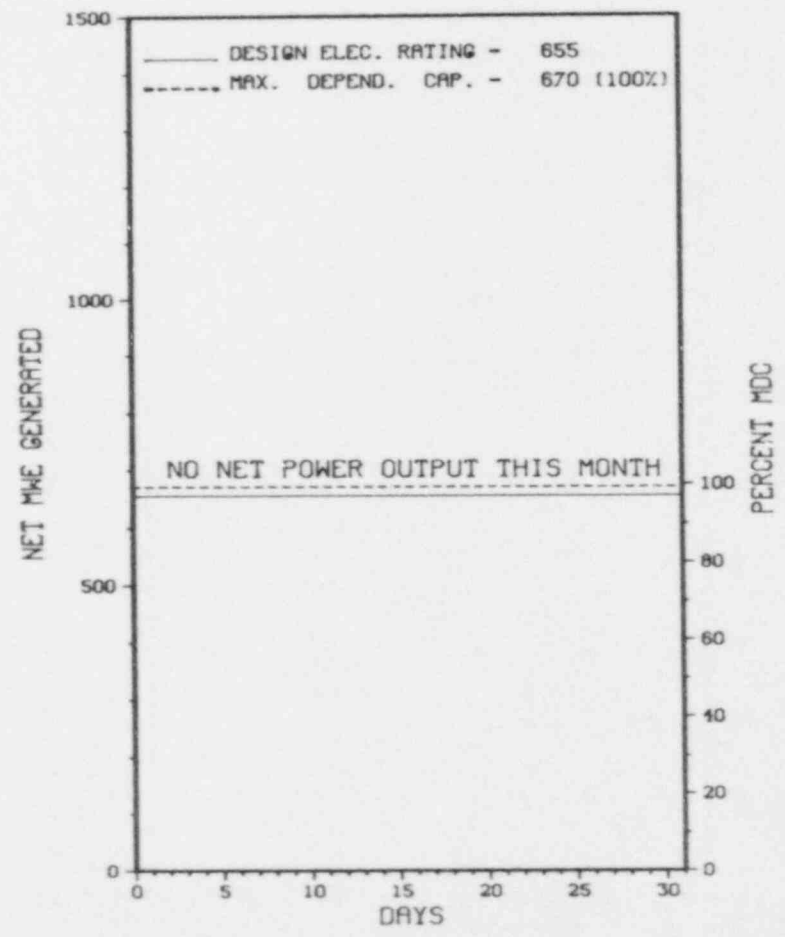
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>132,768.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>79,778.7</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>77,216.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>135,430.048</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>45,444,604</u>
19. Net Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>43,675,429</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>58.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>58.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>49.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>50.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,922.7</u>

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

NONE

27. If Currently Shutdown Estimated Startup Date: 05/01/88



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

PILGRIM 1

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
01	07/25/86	S	744.0	C	4			SHUTDOWN FOR RFO 7

* SUMMARY *

PILGRIM 1 REMAINED SHUTDOWN IN JANUARY FOR SCHEDULED REFUELING OUTAGE.

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

* PILGRIM 1 *

FACILITY DATA

Report Period JAN 1988

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.....C. WARREN
LICENSING PROJ MANAGER.....D. MCDONALD
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.

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* PILGRIM 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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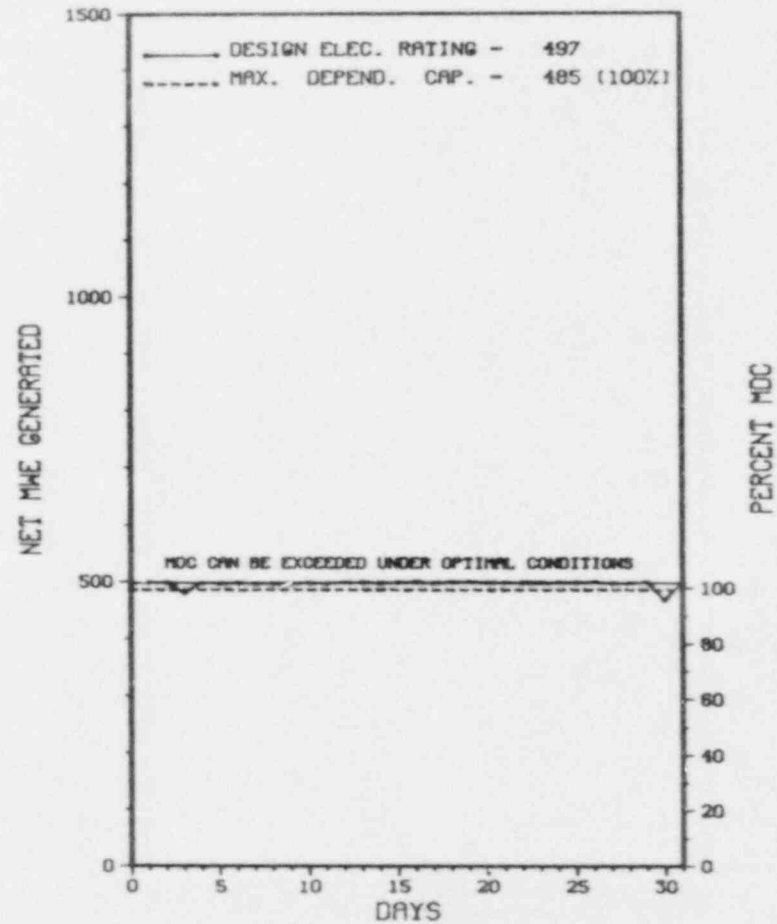
1. Docket: 50-266 O P E R A T I N G S T A T U S
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: C. W. KRAUSE (414) 221-2001
4. Licensed Thermal Power (MWT): 1518
5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524
6. Design Electrical Rating (Net MWe): 497
7. Maximum Dependable 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>744.0</u>	<u>744.0</u>	<u>151,104.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>123,511.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>652.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>120,788.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>837.3</u>
17. Gross Therm Ener (MWH)	<u>1,125,742</u>	<u>1,125,742</u>	<u>166,752,796</u>
18. Gross Elec Ener (MWH)	<u>384,590</u>	<u>384,590</u>	<u>56,207,940</u>
19. Net Elec Ener (MWH)	<u>369,059</u>	<u>369,059</u>	<u>53,537,487</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>79.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>80.5</u>
22. Unit Cap Factor (MDC Net)	<u>102.3</u>	<u>102.3</u>	<u>72.6*</u>
23. Unit Cap Factor (DER Net)	<u>99.8</u>	<u>99.8</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,464.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE - APRIL 8, 1988 - DURATION 6 WEEKS.
27. If Currently Shutdown Estimated Startup Date: N/A

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 1



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 1 *

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

NONE

* SUMMARY *

POINT BEACH 1 OPERATED ROUTINELY DURING JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

* POINT BEACH 1 *

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

Report Period JAN 1988

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.....D. WAGNER
DOCKET NUMBER.....50-266
LICENSE & DATE ISSUANCE...DPR-24, OCTOBER 5, 1970
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 13-16, 26-29, AND NOVEMBER 2-4, 17-19, 23-24, 1987 (REPORTS NO. 50-266/87023(DRS); NO. 50-301/87021(DRS)); ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAM (73051), PROCEDURES (73052), OBSERVATION OF WORK AND WORK ACTIVITIES (73753), AND DATA REVIEW AND EVALUATION (73755); OF IE INFORMATION NOTICES (92704) AND UNRESOLVED ITEMS (92701); OF THE FUEL ASSEMBLIES ROD EXAMINATIONS (73052, 73753, 73755); OF THE EVALUATION OF THE THIRTY ONE INCH 90X ELBOWS NOT PREVIOUSLY INCLUDED IN THE ISI PROGRAM (73051) AND MODIFICATIONS (37701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period JAN 1988

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

* POINT BEACH 1 *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 03/15/88

INSPECTION REPORT NO: 88006

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
88-01	011088	020888	SINGLE FAILURE POTENTIAL IN 4160 VOLT SAFEGUARDS SWITCHGEAR

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. KRAUSE (414) 221-2001

4. Licensed Thermal Power (Mwt): 1518

5. Nameplate Rating (Gross MWe): 52 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

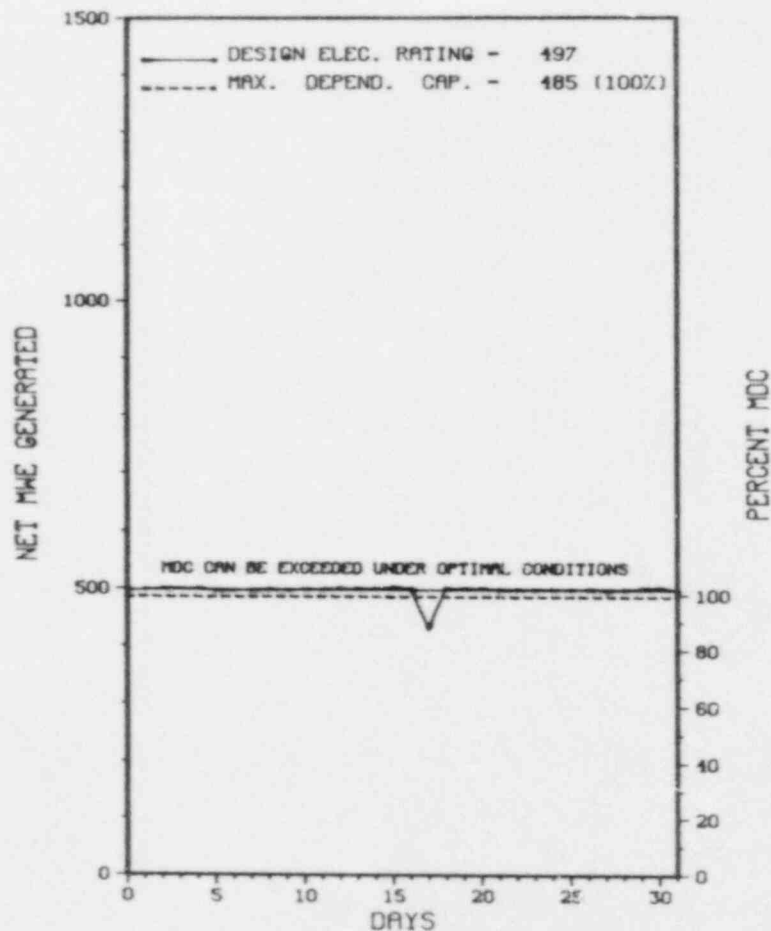
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>135,889.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>119,138.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>215.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>117,214.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>292.4</u>
17. Gross Therm Ener (MWH)	<u>1,123,573</u>	<u>1,123,573</u>	<u>165,694,168</u>
18. Gross Elec Ener (MWH)	<u>385,290</u>	<u>385,290</u>	<u>56,165,510</u>
19. Net Elec Ener (MWH)	<u>369,231</u>	<u>369,231</u>	<u>53,513,645</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>86.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>86.5</u>
22. Unit Cap Factor (MDC Net)	<u>102.3</u>	<u>102.3</u>	<u>80.4*</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>99.9</u>	<u>79.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>1.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>851.2</u>

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

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

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 2



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

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

NONE

* SUMMARY *

POINT BEACH 2 OPERATED ROUTINELY DURING JANUARY WITH NO OUTAGES OR SIGNIFICANT 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)

* POINT BEACH 2 *

FACILITY DATA

Report Period JAN 1988

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.....P. HAGUE
LICENSING PROJ MANAGER.....D. WAGNER
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPK-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 13-16, 26-29, AND NOVEMBER 2-4, 17-19, 23-24, 1987 (REPORTS NO. 50-266/87023(DRS); NO. 50-301/87021(DRS)); ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAM (73051), PROCEDURES (73052), OBSERVATION OF WORK AND WORK ACTIVITIES (73755), AND DATA REVIEW AND EVALUATION (73755); OF IE INFORMATION NOTICES (92704) AND UNRESOLVED ITEMS (92701); OF THE FUEL ASSEMBLIES ROD EXAMINATIONS (73052, 73753, 73755); OF THE EVALUATION OF THE THIRTY ONE INCH 90X ELBOWS NOT PREVIOUSLY INCLUDED IN THE ISI PROGRAM (73051) AND MODIFICATIONS (37701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 03/15/88

INSPECTION REPCRT NO: 88006

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
-----
87-06    121987    012788    POTENTIAL LOSS OF CONTAINMENT INTEGRITY DUE TO MIS ADJUSTED VALVE
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1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>744.0</u>	<u>123,840.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>103,287.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>101,852.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,217,722</u>	<u>1,217,722</u>	<u>160,271,646</u>
18. Gross Elec Ener (MWH)	<u>411,230</u>	<u>411,230</u>	<u>52,485,240</u>
19. Net Elec Ener (MWH)	<u>390,335</u>	<u>390,335</u>	<u>49,228,000</u>
20. Unit Service Factr	<u>100.0</u>	<u>100.0</u>	<u>82.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>82.2</u>
22. Unit Cap Factor (MDC Net)	<u>104.3</u>	<u>104.3</u>	<u>79.0</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>99.0</u>	<u>75.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,715.2</u>

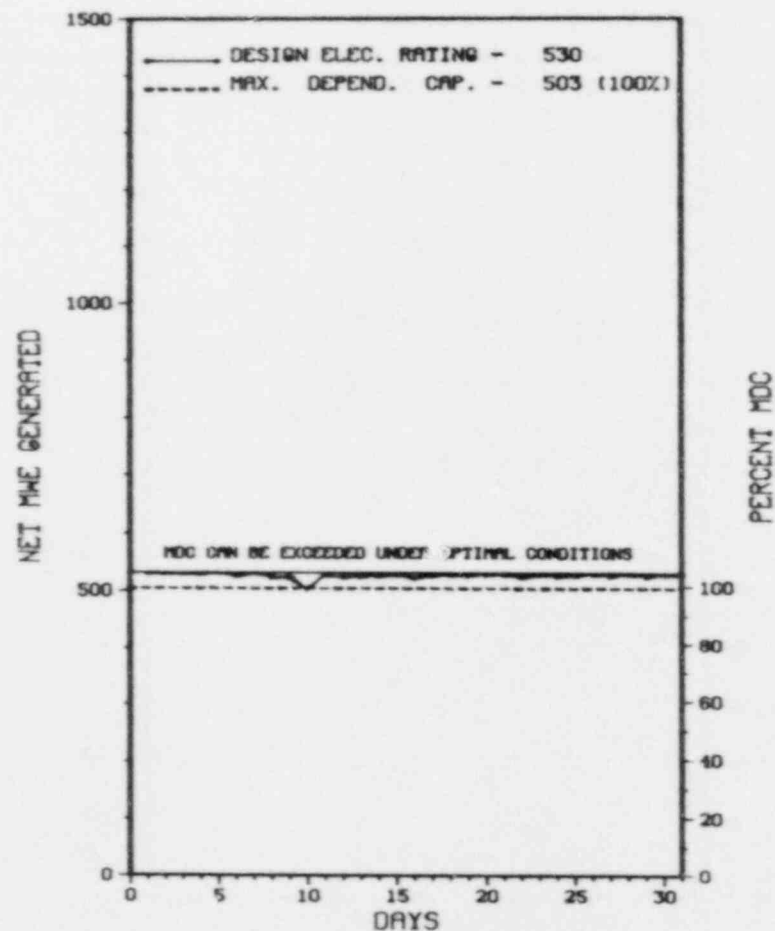
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

X PRAIRIE ISLAND 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	01/10/88	S	0.0	B	5				TURBINE VALVES TESTING.

 * SUMMARY *

 PRAIRIE ISLAND 1 INCURRED 1 POWER REDUCTION IN JANUARY TO
 PERFORM TURBINE VALVES TESTING.

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

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period JAN 1988

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 INITIA CRITICALITY...DECEMBER 1, 1973
DATE ELEC I 1ST GENER...DECEMBER 4, 1973
DATE COMMERCIAL OPERATE...DECEMBER 16, 1973

CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-282
LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974
PUBLIC DOCUMENT ROOM.ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 4 THROUGH NOVEMBER 14, 1987 (REPORTS NO. 50-282/87016(DRP) NO. 50-306/87015(DRP)): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCES, ESF SYSTEMS, SPENT FUEL POOL ACTIVITIES, LER FOLLOWUP, MODIFICATIONS, TRAINING, AND MEETINGS WITH CORPORATE MANAGEMENT. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; THREE VIOLATIONS WERE IDENTIFIED IN THREE AREAS (BUS 15 INOPERABLE WITH EDG NO. 1 OUT OF SERVICE, PARAGRAPH 3; FAILURE TO FOLLOW PROCEDURES RESULTING IN THE CUTTING OF THE WRONG ELECTRICAL CABLE, PARAGRAPH 9; AND FAILURE TO FOLLOW VISITOR ESCORT PROCEDURES, PARAGRAPH 10). ADDITIONALLY, THREE VIOLATIONS WERE ALSO IDENTIFIED IN PARAGRAPHS 3 AND 5; HOWEVER, THESE WERE OF MINOR SAFETY SIGNIFICANCE AND IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.A., A NOTICE OF VIOLATION WAS NOT ISSUED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period JAN 1988

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

* PRAIRIE ISLAND 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 03/26/88

INSPECTION REPORT NO: 88004

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
87-02	022087	012788	UNIT SHUTDOWN RESULTING FROM STEAM GENERATOR TUBE LEAKAGE
87-20	101987	020488	AUTO START OF 12 COMPONENT COOLING WATER PUMP

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): _____

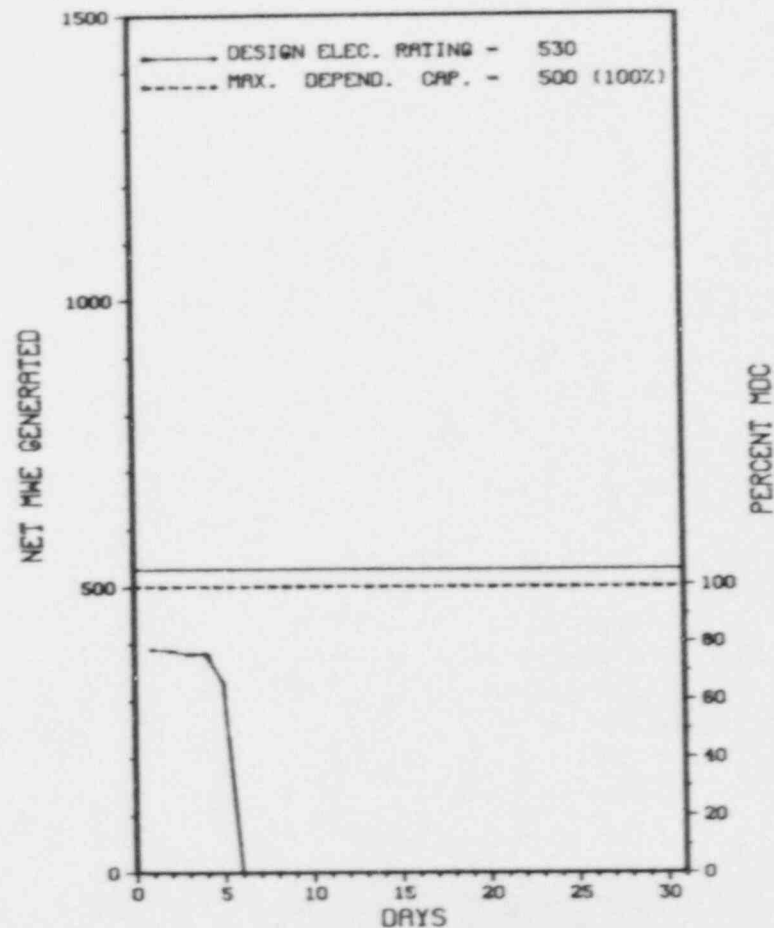
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>114,958.0</u>
13. Hours Reactor Critical	<u>118.6</u>	<u>118.6</u>	<u>100,353.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>118.2</u>	<u>118.2</u>	<u>99,313.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>146,225</u>	<u>146,225</u>	<u>156,292,302</u>
18. Gross Elec Ener (MWH)	<u>47,920</u>	<u>47,920</u>	<u>50,880,250</u>
19. Net Elec Ener (MWH)	<u>44,043</u>	<u>44,043</u>	<u>47,823,466</u>
20. Unit Service Factor	<u>15.9</u>	<u>15.9</u>	<u>86.4</u>
21. Unit Avail Factor	<u>15.9</u>	<u>15.9</u>	<u>86.4</u>
22. Unit Cap Factor (MDC Net)	<u>11.8</u>	<u>11.8</u>	<u>83.2</u>
23. Unit Cap Factor (DER Net)	<u>11.2</u>	<u>11.2</u>	<u>78.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,359.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 02/11/88

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PRAIRIE ISLAND 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
	01/01/88	S	0.0	H	5			COASTDOWN OPERATION.
	01/05/88	S	625.8	C	2			REFUELING OUTAGECYCLE 11 TO 12 CORE CHANGE & INSPECTION.

* SUMMARY *

PRAIRIE ISLAND 2 INCURRED 1 POWER REDUCTION AND 1 OUTAGE IN JANUARY FOR REASONS STATED 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		

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....300DHUE
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.....FLUDR PIONEER, INC.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-306
LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 4 THROUGH NOVEMBER 14, 1987 (REPORTS NO. 50-282/87016(DRP) NO. 50-306/87015(DRP)): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCES, ESF SYSTEMS, SPENT FUEL POOL ACTIVITIES, LER FOLLOWUP, MODIFICATIONS, TRAINING, AND MEETINGS WITH CORPORATE MANAGEMENT. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; THREE VIOLATIONS WERE IDENTIFIED IN THREE AREAS (BUS 15 INOPERABLE WITH EDG NO. 1 OUT OF SERVICE, PARAGRAPH 3; FAILURE TO FOLLOW PROCEDURES RESULTING IN THE CUTTING OF THE WRONG ELECTRICAL CABLE, PARAGRAPH 9; AND FAILURE TO FOLLOW VISITOR ESCORT PROCEDURES, PARAGRAPH 10). ADDITIONALLY, THREE VIOLATIONS WERE ALSO IDENTIFIED IN PARAGRAPHS 3 AND 5; HOWEVER, THESE WERE OF MINOR SAFETY SIGNIFICANCE AND IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.A., A NOTICE OF VIOLATION WAS NOT ISSUED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUT DOWN FOR REFUELING

LAST IE SITE INSPECTION DATE: 03/26/88

INSPECTION REPORT NO: 88004

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-254 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: K.A. SCHMIDT (309) 654-2241 X2147

4. Licensed Thermal Power (Mwt): 2511

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

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>744.0</u>	<u>744.0</u>	<u>137,832.0</u>

13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>109,808.4</u>
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14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
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15. Hrs Generator On-Line	<u>737.1</u>	<u>737.1</u>	<u>106,194.6</u>
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16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
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17. Gross Therm Ener (MWH)	<u>1,756,464</u>	<u>1,756,464</u>	<u>22509721</u>
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18. Gross Elec Ener (MWH)	<u>571,773</u>	<u>571,773</u>	<u>72,997,391</u>
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19. Net Elec Ener (MWH)	<u>546917</u>	<u>546917</u>	<u>68450206</u>
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20. Unit Service Factor	<u>99.1</u>	<u>99.1</u>	<u>77.0</u>
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21. Unit Avail Factor	<u>99.1</u>	<u>99.1</u>	<u>77.7</u>
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22. Unit Cap Factor (MDC Net)	<u>95.6</u>	<u>95.6</u>	<u>64.6</u>
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23. Unit Cap Factor (DER Net)	<u>93.2</u>	<u>93.2</u>	<u>62.9</u>
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24. Unit Forced Outage Rate	<u>.9</u>	<u>.9</u>	<u>5.2</u>
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25. Forced Outage Hours	<u>6.9</u>	<u>6.9</u>	<u>3,443.3</u>
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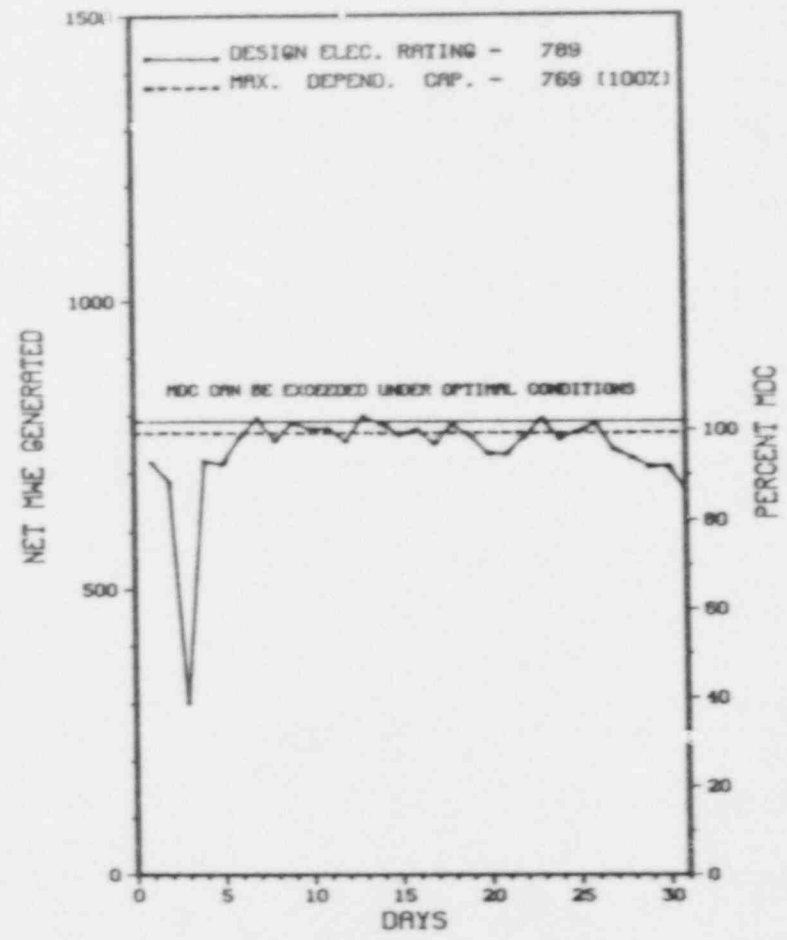
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * QUAD CITIES 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 QUAD CITIES 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X QUAD CITIES 1 X
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-1	01/03/88	F	6.9	A	9		HA	RELAY	MAIN TURBINE TRIPPED DUE TO EHC LEAK ON TURBINE FRONT STANDARD
88-2	01/09/88	S	0.0	H	5		CB	222222	POWER REDUCTION TO PERFORM FLOW DROP TEST (SURVEILLANCE)

XXXXXXXXXX
 X SUMMARY X
 XXXXXXXXXXXXX

QUAD CITIES 1 INCURRED 1 OUTAGE AND 1 POWER REDUCTION IN JANUARY FOR REASONS STATED ABOVE.

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

* QUAD CITIES 1 *

FACILITY DATA

Report Period JAN 1988

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....T. ROSS
DOCKET NUMBER.....50-254

LICENSE & DATE ISSUANCE...DPR-29, DECEMBER 14, 1972

PUBLIC DOCUMENT ROOM.....DIXON PUBLIC LIBRARY
221 HENNEPIN AVENUE
DIXON, ILLINOIS 61021

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 1-2, 23-24, 29-30, OCTOBER 6-8, 21-22, 27, 29-30, NOVEMBER 5-6, 17-18, 23-24, AND DECEMBER 8-9, 1987 (REPORT NO. 50-254/87020(DRS)): ROUTINE, UNANNOUNCED SAFETY INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES, INCLUDING REVIEW OF PROGRAMS (73051), PROCEDURES (73052), OBSERVATION OF WORK ACTIVITIES (73753), AND DATA REVIEW AND EVALUATION (73755); OF AN IE BULLETIN (92703); AND OF VARIOUS MODIFICATIONS (37701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 13 THROUGH DECEMBER 8, 1987 (REPORTS NO. 50-254/87024(DRS); NO. 50-265/87024(DRS)): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF THE CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) PROCEDURE, CILRT PERFORMANCE WITNESSING, CILRT RESULTS, LOCAL LEAK RATE TEST RESULTS, ACTION ON A PREVIOUS INSPECTION FINDING, AND LICENSEE EVENT REPORT FOLLOWUP. NRC MODULES UTILIZED DURING THIS INSPECTION INCLUDED 61720, 70307, 70313, 70323 AND 92701. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER THROUGH DECEMBER 5, 1987 (REPORTS NO. 254/870027(DRP); 50-265/87027(DRP)): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF OPERATIONS, MAINTENANCE, SURVEILLANCE, LER REVIEW, ROUTINE REPORTS, ADMINISTRATIVE CONTROLS AFFECTING QUALITY, RADIATION CONTROL, AND OUTAGES. IN THE AREAS INSPECTED, NO VIOLATIONS REQUIRING THE ISSUANCE OF A NOTICE OF VIOLATION WERE IDENTIFIED OTHER THAN THOSE WHICH HAVE ALREADY BEEN MENTIONED IN INSPECTION REPORTS 50-265/87025 AND 50-265/87031.

INSPECTION ON OCTOBER 26 THROUGH NOVEMBER 5, 1987 (REPORTS NO. 50-254/87030(DRS); NO. 50-265/87030(DRS)): ROUTINE, UNANNOUNCED INSPECTION BY TWO REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, IMPLEMENTATION OF THE QA PROGRAM IN THE AREAS OF DESIGN CHANGES AND MODIFICATION, MAINTENANCE, SURVEILLANCE (TO A REDUCED SCOPE), AND OTHER PROGRAMS RELATED TO THESE

INSPECTION SUMMARY

AREAS. THE INSPECTION WAS CONDUCTED USING SELECTED PORTIONS OF INSPECTION PROCEDURES 25578, 37702, 41400, 56700, 61725, 62700, AND 62702. ONE VIOLATION WAS IDENTIFIED: FAILURE TO CONTROL SOFTWARE USED TO VERIFY TECHNICAL SPECIFICATION COMPLIANCE (PARAGRAPH 3.C.(4)(B)).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE COMMONWEALTH EDISON OPERATIONAL QA PROGRAM, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, PROCEDURE NO. QOP 6500-4, WHICH IS USED IN RACKING-OUT 4160 VOLT MANUALLY OPERATED AIR CIRCUIT BREAKERS, WAS INADEQUATE BECAUSE OF THE FOLLOWING: (A) THE PRECAUTION STATEMENT IN THE PROCEDURE WHICH STATED THAT OPENING THE RACKING SCREW SHUTTER ON A CLOSED CIRCUIT BREAKER WOULD TRIP THE BREAKER WAS INCORRECT. (B) THE PROCEDURE DID NOT CAUTION THE OPERATOR TO VERIFY THE POSITION OF THE OPEN/CLOSE INDICATOR PRIOR TO PROCEEDING TO RACK-OUT THE BREAKER. (C) THE PROCEDURE DID NOT CAUTION THE OPERATOR TO ACTUATE THE MANUAL TRIP BUTTON PRIOR TO RACK-OUT OF THE BREAKER.
(8702 4)

10 CFR 50, APPENDIX B, CRITERIA V, AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, REQUIRES, IN PART THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO PROVIDE PROCEDURAL AND QUALITY CONTROLS THAT ENSURED CONSISTENCE WITH THE DESIGN, SOFTWARE SECURITY, AND CONFIGURATION MANAGEMENT FOR COMPUTER SOFTWARE AND DOCUMENTATION DEVELOPED PRIOR TO 1986 AND STILL USED TO CALCULATE REACTIVITY ANOMALIES WHICH SATISFY TECHNICAL SPECIFICATION REQUIREMENTS. 10 CFR 50.54(Q) STATES, IN PART, THAT "A LICENSEE AUTHORIZED TO OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) AND THE REQUIREMENTS IN APPENDIX E TO THIS PART. SECTION 8.5 OF REVISION 6/6A TO THE GENERATING STATIONS EMERGENCY PLAN (GSEP) STATES, IN PART, THAT THE "NAMES AND PHONE NUMBERS OF THE GSEP ORGANIZATION AND SUPPORT PERSONNEL SHALL BE REVIEWED AND UPDATED AT LEAST QUARTERLY." THE WORD "QUARTERLY" IS INTERPRETED AS 92 DAYS PLUS A GRACE PERIOD OF 25 PERCENT (23 DAYS). CONTRARY TO THE ABOVE, AS OF NOVEMBER 5, 1987, REVISION 20 OF PROCEDURE QEP 310-T3, PRIORITIZED NOTIFICATION LISTING, USED FOR CALLOUT OF THE ONSITE EMERGENCY ORGANIZATION WAS STAMPED AS APPROVED ON JUNE 24, 1987 AND WAS TO BE EFFECTIVE FOR THE PERIOD JULY THROUGH SEPTEMBER 1987. THIS DOCUMENT WAS NOT REVIEWED AND UPDATED FOR A PERIOD OF 134 DAYS, THEREBY EXCEEDING THE QUARTERLY REVIEW AND UPDATING REQUIREMENT.
(8703 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OTHER ITEMS

OPERATING ROUTINELY AT FULL POWER OR EGC

LAST IE SITE INSPECTION DATE: 03/04/88

INSPECTION REPORT NO: 88005

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
87-30	121987	011288	ANTICIPATED TRANSIENT WITHOUT SCRAM INSTRUMENT SENSING LINES INADEQUATELY SUPPORTED DUE TO COGNITIVE PERSONNEL ERROR AND INADEQUATELY DESIGN
87-31	122387	011487	FAILURE OF HPCI MINIMUM FLOW VALVE TO OPEN DUE TO AIR IN FLOW SWITCH SENSING LINES BECAUSE OF OUTAGE SCHEDULING DEFICIENCY
87-32	122387	011387	RCIC INOPERABLE DUE TO CHECK VALVE 1-1301-50 STUCK CLOSED BECAUSE OF WORN PARTS
87-33	122687	011488	INADVERTENT CONTROL POD SCRAM DURING SCRAM TIMING DUE TO TEST PANEL DESIGN DEFICIENCY AND PERSONNEL ERROR (OPERATOR BUMPED TEST SWITCH)

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1. Docket: 50-265 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: K.A. SCHMIDT (309) 654-2241 X 2147

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

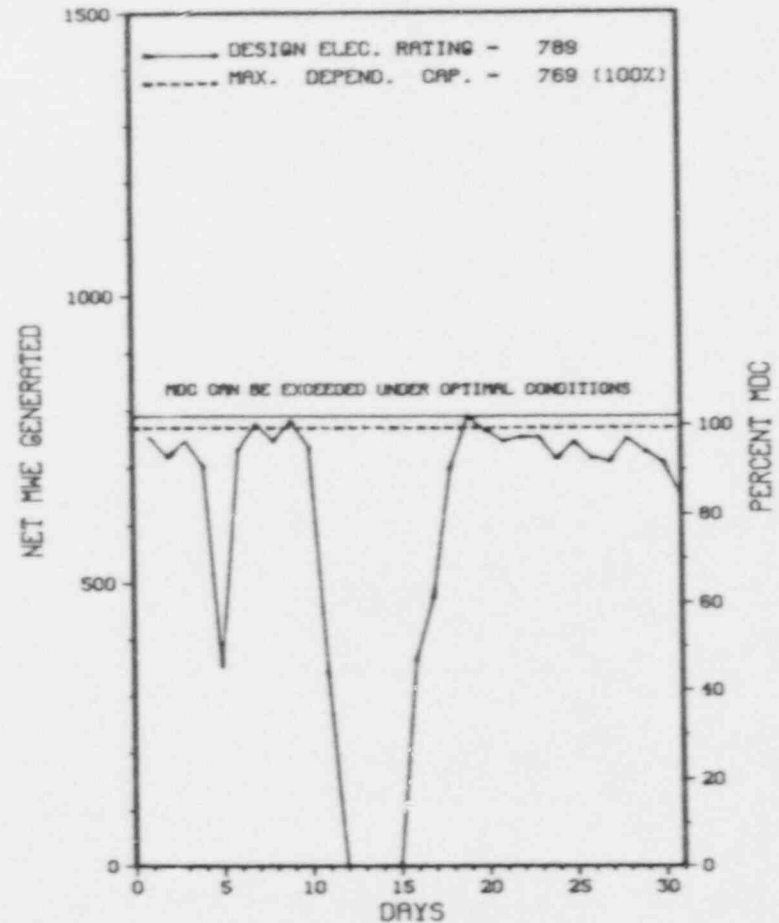
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>136,942.0</u>
13. Hours Reactor Critical	<u>648.0</u>	<u>648.0</u>	<u>105,305.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>631.9</u>	<u>631.9</u>	<u>102,167.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,424,400</u>	<u>1,424,400</u>	<u>218,794,967</u>
18. Gross Elec Ener (Mwh)	<u>463,357</u>	<u>463,357</u>	<u>70,021,131</u>
19. Net Elec Ener (MWH)	<u>443747</u>	<u>443747</u>	<u>66003772</u>
20. Unit Service Factor	<u>84.9</u>	<u>84.9</u>	<u>74.6</u>
21. Unit Avail Factor	<u>84.9</u>	<u>84.9</u>	<u>75.1</u>
22. Unit Cap Factor (MDC Net)	<u>77.6</u>	<u>77.6</u>	<u>62.7</u>
23. Unit Cap Factor (DER Net)	<u>75.6</u>	<u>75.6</u>	<u>61.1</u>
24. Unit Forced Outage Rate	<u>15.1</u>	<u>15.1</u>	<u>8.3</u>
25. Forced Outage Hours	<u>112.1</u>	<u>112.1</u>	<u>5,395.3</u>

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

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

 X QUAD CITIES 2 X

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 QUAD CITIES 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-1	01/05/88	S	0.0	H	5		CC	VALVEX	POWER REDUCTION DUE TO DRYWELL LEAK INSPECTION
88-2	01/11/88	F	112.1	A	3	04-2.88-003	EB	GENERA	REACTOR SCRAM ON GENERATOR/TURBINE LOAD MISMATCH - MAIN GENERATOR GROUND

***** QUAD CITIES 2 INCURRED 1 POWER REDUCTION AND 1 OUTAGE IN JANUARY FOR REASONS STATED ABOVE.
 * SUMMARY *

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

* QUAD CITIES 2 *

FACILITY DATA

Report Period JAN 1988

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.....T. ROSS
D/ ET NUMBER.....50-265

LICENSE & DATE ISSUANCE...DPR-30, DECEMBER 14, 1972

PUBLIC DOCUMENT ROOM.....DIXON PUBLIC LIBRARY
221 HENNEPIN AVENUE
DIXON, ILLINOIS 61021

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 1-2, 23-24, 29-30, OCTOBER 6-8, 21-22, 27, 29-30, NOVEMBER 5-6, 17-18, 23-24, AND DECEMBER 8-9, 1987 (REPORT NO. 50-254/87020(DRS)): ROUTINE, UNANNOUNCED SAFETY INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES, INCLUDING REVIEW OF PROGRAMS (73051), PROCEDURES (73052), OBSERVATION OF WORK ACTIVITIES (73753), AND DATA REVIEW AND EVALUATION (73755); OF AN IE BULLETIN (92703); AND OF VARIOUS MODIFICATIONS (57701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 13 THROUGH DECEMBER 8, 1987 (REPORTS NO. 50-254/87024(DRS); NO. 50-265/87024(DRS)): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF THE CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) PROCEDURE, CILRT PERFORMANCE WITNESSING, CILRT RESULTS, LOCAL LEAK RATE TEST RESULTS, ACTION ON A PREVIOUS INSPECTION FINDING, AND LICENSEE EVENT REPORT FOLLOWUP. NRC MODULES UTILIZED DURING THIS INSPECTION INCLUDED 61720, 70307, 70313, 70323 AND 92701. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER THROUGH DECEMBER 5, 1987 (REPORTS NO. 254/870027(DRP); 50-265/87027(DRP)): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF OPERATIONS, MAINTENANCE, SURVEILLANCE, LER REVIEW, ROUTINE REPORTS, ADMINISTRATIVE CONTROLS AFFECTING QUALITY, RADIATION CONTROL, AND OUTAGES. IN THE AREAS INSPECTED, NO VIOLATIONS REQUIRING THE ISSUANCE OF A NOTICE OF VIOLATION WERE IDENTIFIED OTHER THAN THOSE WHICH HAVE ALREADY BEEN MENTIONED IN INSPECTION REPORTS 50-265/87025 AND 50-265/87031.

INSPECTION ON OCTOBER 26 THROUGH NOVEMBER 5, 1987 (REPORTS NO. 50-254/87030(DRS); NO. 50-265/87030(DRS)): ROUTINE, UNANNOUNCED INSPECTION BY TWO REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, IMPLEMENTATION OF THE QA PROGRAM IN THE AREAS OF DESIGN CHANGES AND MODIFICATION, MAINTENANCE, SURVEILLANCE (TO A REDUCED SCOPE), AND OTHER PROGRAMS RELATED TO THESE

INSPECTION SUMMARY

AREAS. THE INSPECTION WAS CONDUCTED USING SELECTED PORTIONS OF INSPECTION PROCEDURES 25578, 37702, 41400, 56700, 61725, 62700, AND 62702. ONE VIOLATION WAS IDENTIFIED: FAILURE TO CONTROL SOFTWARE USED TO VERIFY TECHNICAL SPECIFICATION COMPLIANCE (PARAGRAPH 3.C.(4)(B)).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE COMMONWEALTH EDISON OPERATIONAL QA PROGRAM, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES, AND BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, PROCEDURE NO. QOP 6500-4, WHICH IS USED IN RACKING-OUT 4160 VOLT MANUALLY OPERATED AIR CIRCUIT BREAKERS, WAS INADEQUATE BECAUSE OF THE FOLLOWING: (A) THE PRECAUTION STATEMENT IN THE PROCEDURE WHICH STATED THAT OPENING THE RACKING SCREW SHUTTER ON A CLOSED CIRCUIT BREAKER WOULD TRIP THE BREAKER WAS INCORRECT. (B) THE PROCEDURE DID NOT CAUTION THE OPERATOR TO VERIFY THE POSITION OF THE OPEN/CLOSE INDICATOR PRIOR TO PROCEEDING TO RACK-OUT THE BREAKER. (C) THE PROCEDURE DID NOT CAUTION THE OPERATOR TO ACTUATE THE MANUAL TRIP BUTTON PRIOR TO RACK-OUT OF THE BREAKER. (8702 4)

10 CFR 50, APPENDIX B, CRITERIA V, AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, REQUIRES, IN PART THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO PROVIDE PROCEDURAL AND QUALITY CONTROLS THAT ENSURED CONSISTENCE WITH THE DESIGN, SOFTWARE SECURITY, AND CONFIGURATION MANAGEMENT FOR COMPUTER SOFTWARE AND DOCUMENTATION DEVELOPED PRIOR TO 1986 AND STILL USED TO CALCULATE REACTIVITY ANOMALIES WHICH SATISFY TECHNICAL SPECIFICATION REQUIREMENTS. 10 CFR 50.72(B)(IV) STATES, IN PART, THAT: "IF NOT REPORTED AS A DECLARATION OF AN EMERGENCY CLASS UNDER PARAGRAPH (A) OF THIS SECTION, THE LICENSEE SHALL NOTIFY THE NRC AS SOON AS PRACTICAL AND IN ALL CASES WITHIN ONE HOUR OF THE OCCURRENCE OF ANY OF THE FOLLOWING: (IV) ANY EVENT THAT RESULTS OR SHOULD HAVE RESULTED IN EMERGENCY CORE COOLING SYSTEM (ECCS) DISCHARGE INTO THE REACTOR COOLANT SYSTEM AS A RESULT OF A VALID SIGNAL." CONTRARY TO THE ABOVE, AT ABOUT 8:00 P.M. ON OCTOBER 19, 1987, THE UNIT 2 REACTOR AUTOMATICALLY SHUT DOWN FROM ABOUT 90 PERCENT POWER. ECCS WAS INITIATED AND BEGAN DISCHARGING INTO THE REACTOR COOLANT SYSTEM. HOWEVER, THE NRC WAS NOT NOTIFIED OF THIS SITUATION, WHICH THE LICENSEE INITIALLY ANALYZED AS A 1-HOUR, NON-EMERGENCY REPORT UNTIL ABOUT 9:17 P.M., APPROXIMATELY 75 TO 77 MINUTES AFTER REACTOR SHUTDOWN AND ECCS INITIATION. 10 CFR 50.54(Q) STATES, IN PART, THAT "A LICENSEE AUTHORIZED TO OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) AND THE REQUIREMENTS IN APPENDIX E TO THIS PART. SECTION 8.5 OF REVISION 6/6A TO THE GENERATING STATIONS EMERGENCY PLAN (GSEP) STATES, IN PART, THAT THE "NAMES AND PHONE NUMBERS OF THE GSEP ORGANIZATION AND SUPPORT PERSONNEL SHALL BE REVIEWED AND UPDATED AT LEAST QUARTERLY." THE WORD "QUARTERLY" IS INTERPRETED AS 92 DAYS PLUS A GRACE PERIOD OF 25 PERCENT (23 DAYS). CONTRARY TO THE ABOVE, AS OF NOVEMBER 5, 1987, REVISION 20 OF PROCEDURE QEP 310-T3, PRIORITIZED NOTIFICATION LISTING, USED FOR CALLOUT OF THE ONSITE EMERGENCY ORGANIZATION WAS STAMPED AS APPROVED ON JUNE 24, 1987 AND WAS TO BE EFFECTIVE FOR THE PERIOD JULY THROUGH SEPTEMBER 1987. THIS DOCUMENT WAS NOT REVIEWED AND UPDATED FOR A PERIOD OF 134 DAYS, THEREBY EXCEEDING THE QUARTERLY REVIEW AND UPDATING REQUIREMENT. TS 6.12, "HIGH RADIATION AREA," REQUIRES, IN PART, THAT AREAS WITH A DOSE RATE GREATER THAN 1000 M REM/HOUR SHALL REMAIN LOCKED EXCEPT DURING PERIODS OF ACCESS BY PERSONNEL. CONTRARY TO THE ABOVE, ON OCTOBER 31, 1987, ON TWO SEPARATE OCCASIONS, A LOCKED HIGH RADIATION DOOR TO THE 78' BIOSHEILD AREA OF CONTAINMENT WAS INTENTIONALLY DEFEATED. TS 6.8, "PROCEDURES AND PROGRAMS," REQUIRES, IN PART, THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED WHICH MEET THE REQUIREMENTS AND RECOMMENDATIONS OF RG 1.22-1978, APPENDIX A, RG 1.33-1978, APPENDIX A RECOMMENDS THAT PROCEDURES FOR AIRBORNE RADIOACTIVITY MONITORING, PERSONNEL MONITORING AND AIRBORNE RADIATION MONITOR CALIBRATIONS BE ESTABLISHED. CONTRARY TO THE ABOVE, AIRBORNE RADIATION MONITORS, SPECIFICALLY, MPC-HR METERS, WERE BEING USED TO MONITOR PERSONNEL EXPOSURE TO AIRBORNE RADIOACTIVE MATERIAL FOR PURPOSES OF SHOWING COMPLIANCE WITH REGULATORY REQUIREMENTS WITHOUT ESTABLISHED PROCEDURES FOR THEIR USE AND EVALUATION OF THEIR RESULTS. CONTRARY TO THE ABOVE, CALIBRATIONS OF THE MPC-HR METERS WERE BEING PERFORMED WITHOUT ESTABLISHED PROCEDURES. (8703 4)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NOW OPERATING ROUTINELY AT FULL POWER/ OR ON ECONOMIC GENERATION CONTROL

LAST IE SITE INSPECTION DATE: 03/04/88

INSPECTION REPORT NO: 88005

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
87-20	121087	010488	UNIT TWO REACTOR SCRAM DUE TO FAILURE OF TURBINE MASTER TRIP SOLENOID VALVE
87-21	123087	011988	STANDBY COOLANT SUPPLY SYSTEM OUTSIDE SAFETY ANALYSIS REPORT DUE TO POSITION INDICATION SHORT CIRCUIT
88-01	011188	012788	REACTOR SCRAM DUE TO TURBINE/GENERATOR LOAD REJECT - CAUSE UNDETERMINED

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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: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: R. MILLER (916) 452-3211 X4477

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): 875

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

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

11. Reasons for Restrictions, If Any: _____
NRC LETTER DATED 12/26/85

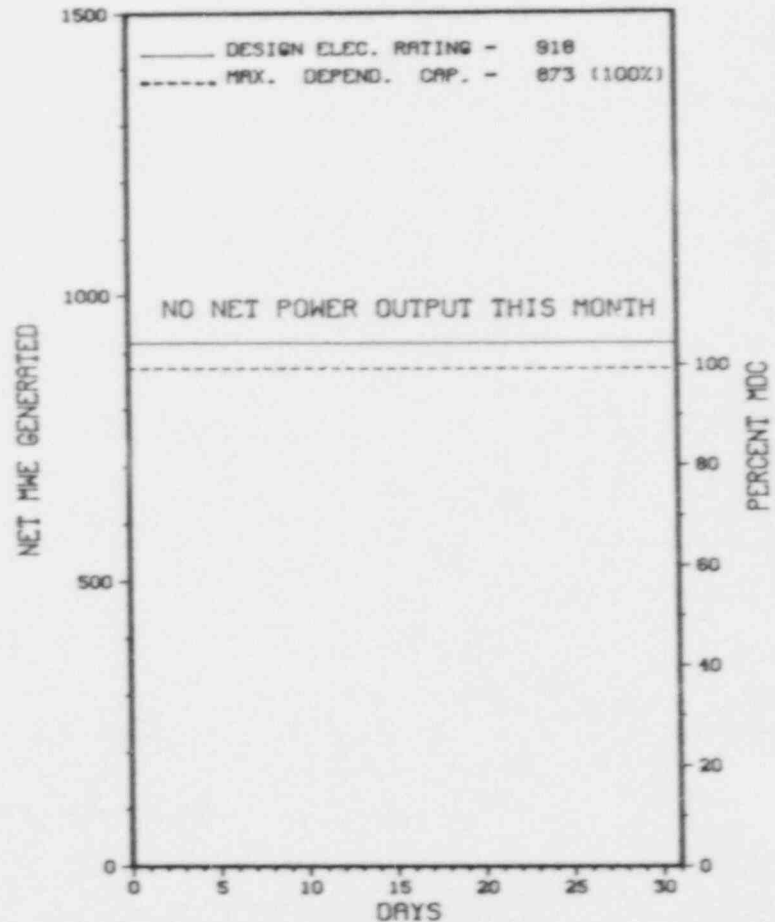
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>112,129.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>52,565.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10,647.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>50,363.8</u>
16. Unit Reserve Shtdwn Hrs	<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>41,523,149</u>
19. Net Elec Ener (MWH)	<u>-6,668</u>	<u>-6,668</u>	<u>38,982,527</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>44.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>46.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>39.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>37.9</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>44.1</u>
25. Forced Outage Hours	<u>744.0</u>	<u>744.0</u>	<u>39,649.5</u>

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

27. If Currently Shutdown Estimated Startup Date: 03/20/88

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
RANCHO SECO 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/26/85	F	744.0	D	4	85-25	CB	INSTRU	REACTOR TRIP DUE TO HIGH RCS PRESSURE TRIP PRECEDED BY A TOTAL LOSS OF ICS POWER.

 * SUMMARY *

 RANCHO SECO REMAINED SHUTDOWN IN JANUARY IN ACCORDANCE WITH NRC LETTER DATED 12/26/85

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-Main ² or Test	3-Auto Scram	Preparation of
	C-Refueling	4-Continued	Data Entry Sheet
	G-Oper Error	5-Reduced Load	licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

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.....A. DANGLIO
LICENSING PROJ MANAGER.....G. KALMAN
DOCKET NUMBER.....50-312
LICENSE & DATE ISSUANCE...DPR-54, AUGUST 16, 1974
PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO 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 OCTOBER 1 - CONTINUING (REPORT NO. 50-312/87-31) INSPECTION CANCELLED
- + INSPECTION ON OCTOBER 24 - DECEMBER 4, 1987 (REPORT NO. 50-312/87-37) AREAS INSPECTED: THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND FOLLOWUP ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW WORK REQUEST INSTRUCTIONS AND FAILURE TO INITIATE A NONCONFORMANCE REPORT FOR AN IDENTIFIED DISCREPANCY.
- + INSPECTION ON DECEMBER 7, 1987 - FEBRUARY 18, 1988 (REPORT NO. 50-312/87-40) HEADQUARTERS' REPORT; TO BE REPORTED BY HEADQUARTERS AT A LATER DATE.
- + INSPECTION ON NOVEMBER 30 - DECEMBER 4, 1987 (REPORT NO. 50-312/87-42) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF FOLLOWUP ITEMS IDENTIFIED FROM PREVIOUS INSPECTIONS, POST ACCIDENT SAMPLING SYSTEM, INDEPENDENT INSPECTION EFFORT, AND A TOUR OF THE FACILITY. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ INSPECTION ON DECEMBER 14-30, 1987 (REPORT NO. 50-312/87-43) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF WATER CHEMISTRY CONTROL AND CHEMICAL ANALYSIS, PLANT SYSTEMS AFFECTING PLANT WATER CHEMISTRY, QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS AND POST ACCIDENT SAMPLING SYSTEM TESTING AND PLANT TOURS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 5, 1987 - JANUARY 29, 1988 (REPORT NO. 50-312/87-44) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 7-11, 1987 (REPORT NO. 50-312/87-45) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTOR ITEMS, LICENSEE EVENT REPORTS, AND NRC BULLETIN FOLLOWUP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 14-18, 1987 (REPORT NO. 50-312/87-46) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS PROGRAM AND FOLLOWUP ON OPEN ITEMS. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 5-18, 1987 (REPORT NO. 50-312/87-47) AREAS INSPECTED: ROUTINE REGIONAL INSPECTION OF EMERGENCY OPERATING PROCEDURES, LICENSEE ACTION ON ITEMS OF NONCOMPLIANCE, AND INSPECTOR FOLLOWUP ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 28, 1987 - JANUARY 30, 1988 (REPORT NO. 50-312/87-49) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 4-8, 1988 (REPORT NO. 50-312/88-01) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF THE FOLLOWUP ITEMS, THE POST ACCIDENT SAMPLING SYSTEM, AND A TOUR OF THE FACILITY. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JANUARY 4-27, 1988 (REPORT NO. 50-312/88-02) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 4-22, 1988 (REPORT NO. 50-312/88-03) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTOR ITEMS, LICENSEE EVENT REPORTS, FOLLOWUP ON ITEMS OF NONCOMPLIANCE, FOLLOWUP ON EASTRP CORRECTIVE ACTION, AND ALLEGATION FOLLOWUP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

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

MANAGERIAL ITEMS:

RESTART ACTION PLAN IMPLEMENTATION IS BEING REVIEWED BY NRR AND REGION V PRIOR TO RETURN TO OPERATION.

ENFORCEMENT CONFERENCE WAS HELD ON MAY 16, 1986, ON VIOLATIONS RELATED TO THE DECEMBER 26, 1985, EVENT AND FOLLOWUP ACTIVITIES.

NRC SALP BOARD MEETING WAS HELD ON AUGUST 12, 1986.

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: 12/28/87 - 01/30/88

INSPECTION REPORT NO: 50-312/87-49

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
87-47-L0	11-24-87	12-22-87	FAILURE TO CONDUCT CONTINUOUS SAMPLE DURING REACTOR BUILDING PURGE DUE TO PERSONNEL ERROR

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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: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: R. H. MARTIN (504) 635-6094 X4836

4. Licensed Thermal Power (Mwt): 2894

 Nameplate Rating (Gross MWe): 2894

 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>744.0</u>	<u>744.0</u>	<u>18,960.0</u>
13. Hours Reactor Critical	<u>661.3</u>	<u>661.3</u>	<u>12,375.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>630.8</u>	<u>630.8</u>	<u>11,162.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,765,573</u>	<u>1,765,573</u>	<u>27,235,457</u>
18. Gross Elec Ener (MWH)	<u>613,480</u>	<u>613,480</u>	<u>9,234,354</u>
19. Net Elec Ener (MWH)	<u>576,890</u>	<u>576,890</u>	<u>8,602,095</u>
20. Unit Service Factor	<u>84.8</u>	<u>84.8</u>	<u>58.9</u>
21. Unit Avail Factor	<u>84.8</u>	<u>84.8</u>	<u>58.9</u>
22. Unit Cap Factor (MDC Net)	<u>82.8</u>	<u>82.8</u>	<u>48.5</u>
23. Unit Cap Factor (DER Net)	<u>82.8</u>	<u>82.8</u>	<u>48.5</u>
24. Unit Forced Outage Rate	<u>15.2</u>	<u>15.2</u>	<u>13.0</u>
25. Forced Outage Hours	<u>113.2</u>	<u>113.2</u>	<u>1,674.1</u>

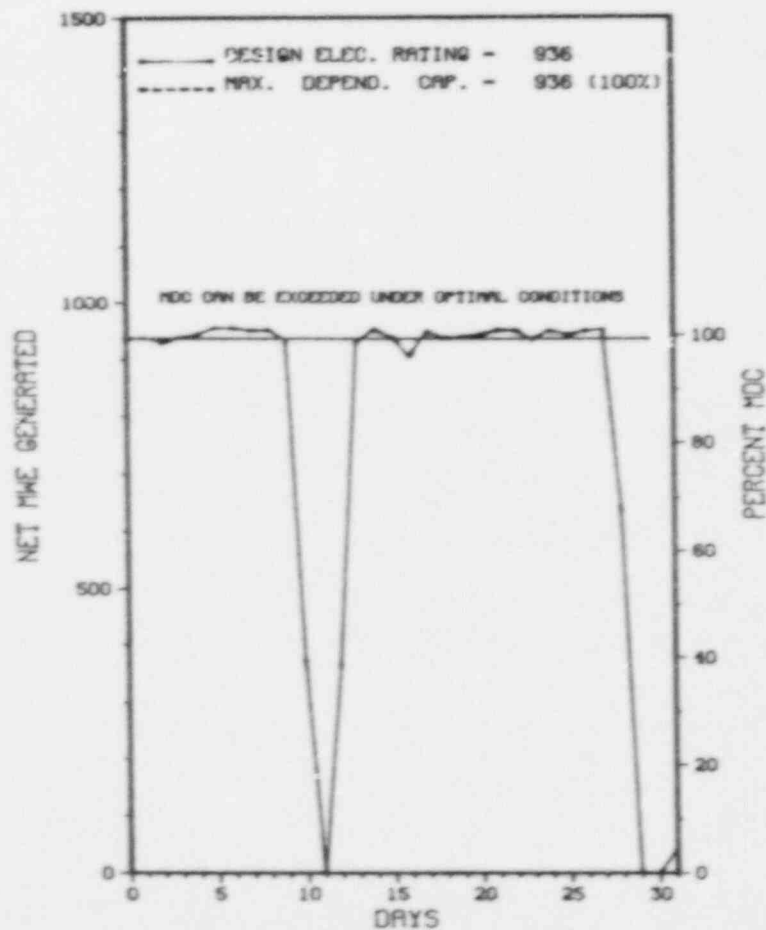
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

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



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * RIVER BEND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/10/88	F	39.9	B	3	88-002		INADVERTENTLY LIFTED GROUND LEAD FOR ARI TRIP SYSTEM WHILE PERFORMING STP-051-4269. RECIRC PUMPS TRIPPED AND ARI ACTUATED.
88-02	01/28/88	F	73.3	A	3			HI REACTOR PRESSURE DUE TO STATOR COOLING RUN BACK DUE TO TEMP. CONTROL VALVE FAILURE OPEN. LER-88-LATER (TO BE SUBMITTED BY 2/27/88).

***** RIVER BEND 1 INCURRED 2 OUTAGES IN JANUARY AS DISCUSSED ABOVE.
 * SUMMARY *

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

* RIVER BEND 1 *

FACILITY DATA

Report Period JAN 1988

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 5, 1985
DATE COMMERCIAL OPERATE...JUNE 16, 1986
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....W. PAULSON
DOCKET NUMBER.....50-458
LICENSE & DATE ISSUANCE...NPF-47, NOVEMBER 20, 1985
PUBLIC DOCUMENT ROOM.....GOVERNMENT DOCUMENTS DEPARTMENT
TROY H. MIDDLETON LIBRARY
LOUISIANA STATE UNIVERSITY
BATON ROUGE, LOUISIANA 70803

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

Report Period JAN 1988

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

* R I V E R B E N D 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

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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INFO. NOT SUPPLIED BY REGION

=====

1. Docket: 50-261 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: V.E. FRAZIER (803) 383-4524 X 1220

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

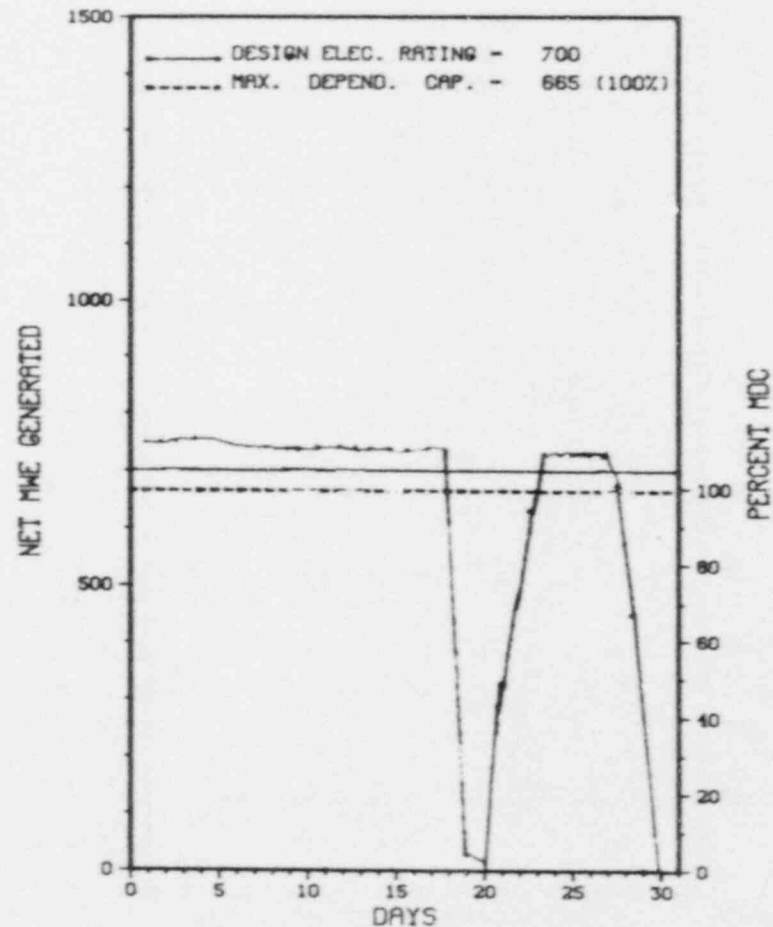
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>148,254.0</u>
13. Hours Reactor Critical	<u>680.9</u>	<u>680.9</u>	<u>106,210.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,159.6</u>
15. Hrs Generator On-Line	<u>649.2</u>	<u>649.2</u>	<u>103,673.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>1,426,721</u>	<u>1,426,721</u>	<u>209,579,282</u>
18. Gross Elec Ener (MWH)	<u>480,326</u>	<u>480,326</u>	<u>67,863,663</u>
19. Net Elec Ener (MWH)	<u>456,899</u>	<u>456,899</u>	<u>64,134,828</u>
20. Unit Service Factor	<u>87.3</u>	<u>87.3</u>	<u>69.9</u>
21. Unit Avail Factor	<u>87.3</u>	<u>87.3</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>92.3</u>	<u>92.3</u>	<u>65.1</u>
23. Unit Cap Factor (DER Net)	<u>87.7</u>	<u>87.7</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>12.7</u>	<u>12.7</u>	<u>13.4</u>
25. Forced Outage Hours	<u>94.8</u>	<u>94.8</u>	<u>10,297.5</u>

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

27. If Currently Shutdown Estimated Startup Date: 02/14/88

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ROBINSON 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0101	01/19/88	F	42.8	A	3	88-001	ZZ	TURBIN	THE UNIT WAS REDUCED TO 66% POWER TO PERFORM TURBINE VALVE TEST (OST-551). DURING TESTING, A TURBINE TRIP OCCURRED CAUSING A REACTOR TRIP. THE CAUSE WAS DETERMINED TO BE A FAILED RELIEF VALVE IN THE TURBINE AUTO STOP OIL SYSTEM. EH OIL AUTO STOP RELIEF VALVES WERE REPLACED, AND THE UNIT RETURNED TO FULL POWER.
0102	01/29/88	F	52.0	D	1	88-003	IC	BATTRY	THE UNIT WAS TAKEN TO COLD SHUTDOWN FOR REVIEW OF UNANALYZED SINGLE FAILURE THAT COULD TAKE TWO SAFETY INJECTION PUMPS OUT OF SERVICE. THIS CONDITION IS IDENTIFIED AS AN UNANALYZED CONDITION. TECHNICAL SPECIFICATION 3.0 REQUIRES HOT SHUTDOWN WITHIN 8 HOURS FOLLOWED BY COLD SHUTDOWN WITHIN 30 HOURS.

 * SUMMARY *

 ROBINSON 2 INCURRED 2 OUTAGES IN JANAUARY FOR REASONS STATED ABOVE.

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

* ROBINSON 2 *

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

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....DARLINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970
DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970
DATE COMMERCIAL OPERATE...MARCH 7, 1971
CONDENSER COOLING METHOD...RECIRCULATION
CONDENSER COOLING WATER...ROBINSON IMPOUNDMENT
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. KRUG
LICENSING PROJ MANAGER....R. LO
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

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 11 - DECEMBER 10 (87-37): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF PLANT TOUR, TECHNICAL SPECIFICATION COMPLIANCE, PLANT OPERATIONS REVIEW, PHYSICAL PROTECTION, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION AND MAINTENANCE PROGRAM EVALUATION, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN AND MONTHLY SURVEILLANCE OBSERVATION, COLD WEATHER PREPARATIONS, ONSITE FOLLOWUP OF EVENTS AND SUBSEQUENT WRITTEN REPORTS OF NONROUTINE EVENTS AT POWER REACTOR FACILITIES, ONSITE REVIEW COMMITTEE, PREPARATION FOR REFUELING, PARTICIPATION IN NRR/LICENSEE MEETINGS, INDEPENDENT SPENT FUEL STORAGE INSTALLATION, FASTENER TESTING TO DETERMINE CONFORMANCE WITH APPLICABLE MATERIAL SPECIFICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED WITHIN THE AREAS INSPECTED.

INSPECTION JANUARY 4-8 (88-02): THIS WAS A ROUTINE, UNANNOUNCED INSPECTION IN THE AREA OF RADIATION PROTECTION INCLUDING: LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; THE PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA); THE SOLID WASTE PROGRAM; TRANSPORTATION AND INSPECTOR FOLLOWUP ON INFORMATION NOTICES. TWO VIOLATIONS WERE IDENTIFIED FAILURE TO PERFORM AN ADEQUATE RELEASE SURVEY ON AN ITEM LEAVING THE SITE, AND FAILURE TO DOCUMENT A SURVEY PERFORMED TO RELEASE AN ITEM LEAVING THE SITE (NO NOTICE OF VIOLATION ISSUED - LICENSEE IDENTIFIED).

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

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-5400

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170

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>744.0</u>	<u>744.0</u>	<u>92,833.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>57,695.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>55,791.6</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>172,471,213</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>57,192,288</u>
19. Net Elec Ener (MWH)	<u>-8,658</u>	<u>-8,658</u>	<u>54,388,051</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>60.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>60.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>53.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>25.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>19,459.8</u>

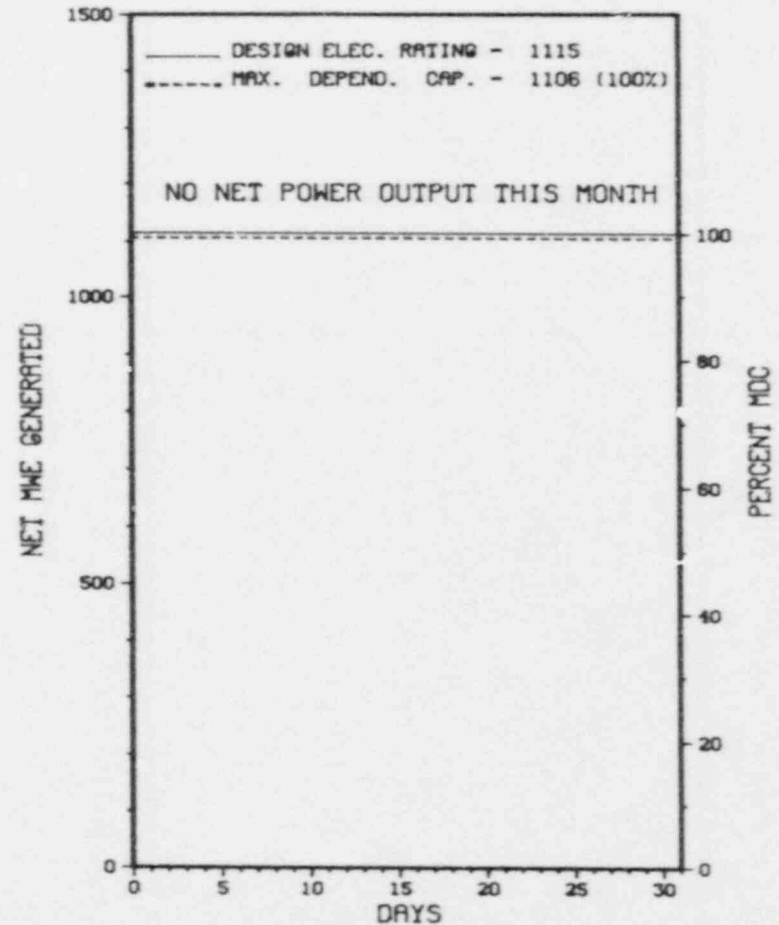
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 02/22/88

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

<u>Fr.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
016	12/24/87	S	172.5	B	4		WA	ZZZZZ	SERVICE WATER REPAIR
011	01/08/88	S	571.5	B	9		CA	CRDRVE	CONTROL ROD DRIVE MECHANISM LEAKS

 * SUMMARY *

 SALEM 1 ENTERED MONTH SHUTDOWN FOR SERVICE WATER REPAIR.
 REMAINED SHUTDOWN FOR FURTHER REPAIRS.

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

* SALEM 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE...JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TS 6.11, "RADIATION PROTECTION PROGRAM," REQUIRES IN PART, THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. PROCEDURE RP-202, "RADIATION WORK PERMITS," REQUIRES, IN PART, THAT IF THE JOB REQUIRES CONTINUOUS RADIATION PROTECTION COVERAGE, THE RADIATION PROTECTION TECHNICIAN ASSIGNED TO THE JOB SHALL BRIEF THE WORK PARTY AND THE PRE-JOB BRIEFING SHALL BE DOCUMENTED ON ATTACHMENT 12.3, "PRE-JOB BRIEFING SUMMARY," AND FILED WITH THE RESPECTIVE PWP. ATTACHMENT 12.1, "RWP COMPLIANCE AGREEMENT," TO PROCEDURE RP-202, "RADIATION WORK PERMITS," STATES THAT "YOUR SIGNATURE BELOW INDICATES THAT YOU HAVE READ, UNDERSTAND, AND WILL ABIDE BY THE PROVISIONS OF THE RWP REFERENCED ABOVE." CONTRARY TO THE ABOVE, THE INSPECTOR IDENTIFIED TEN INSTANCES WHERE PRE-JOB BRIEFINGS WERE REQUIRED, BUT WERE EITHER NOT PERFORMED OR WERE NOT DOCUMENTED ON THE PRE-JOB BRIEFING SUMMARY FORM. CONTRARY TO THE ABOVE, THE INSPECTOR IDENTIFIED THREE INSTANCES WHERE MPC-HR METERS WERE REQUIRED BY THE RWP'S, INDIVIDUALS SIGNED THE RWP COMPLIANCE AGREEMENTS, BUT THE MPC-HR METERS WERE NOT USED.
(8703 5)

1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-5400

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): 1:49

8. Maximum Dependable Capacity (Net MWe): 1106

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>55,209.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>33,122.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>740.3</u>	<u>740.3</u>	<u>32,037.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,490,826</u>	<u>2,490,826</u>	<u>99,256,555</u>
18. Gross Elec Ener (MWH)	<u>831,080</u>	<u>831,080</u>	<u>32,460,550</u>
19. Net Elec Ener (MWH)	<u>798,650</u>	<u>798,650</u>	<u>30,818,118</u>
20. Unit Service Factor	<u>99.5</u>	<u>99.5</u>	<u>58.0</u>
21. Unit Avail Factor	<u>99.5</u>	<u>99.5</u>	<u>58.0</u>
22. Unit Cap Factor (MDC Net)	<u>97.1</u>	<u>97.1</u>	<u>50.4</u>
23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>96.3</u>	<u>50.0</u>
24. Unit Forced Outage Rate	<u>.5</u>	<u>.5</u>	<u>32.6</u>
25. Forced Outage Hours	<u>3.7</u>	<u>3.7</u>	<u>15,521.6</u>

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

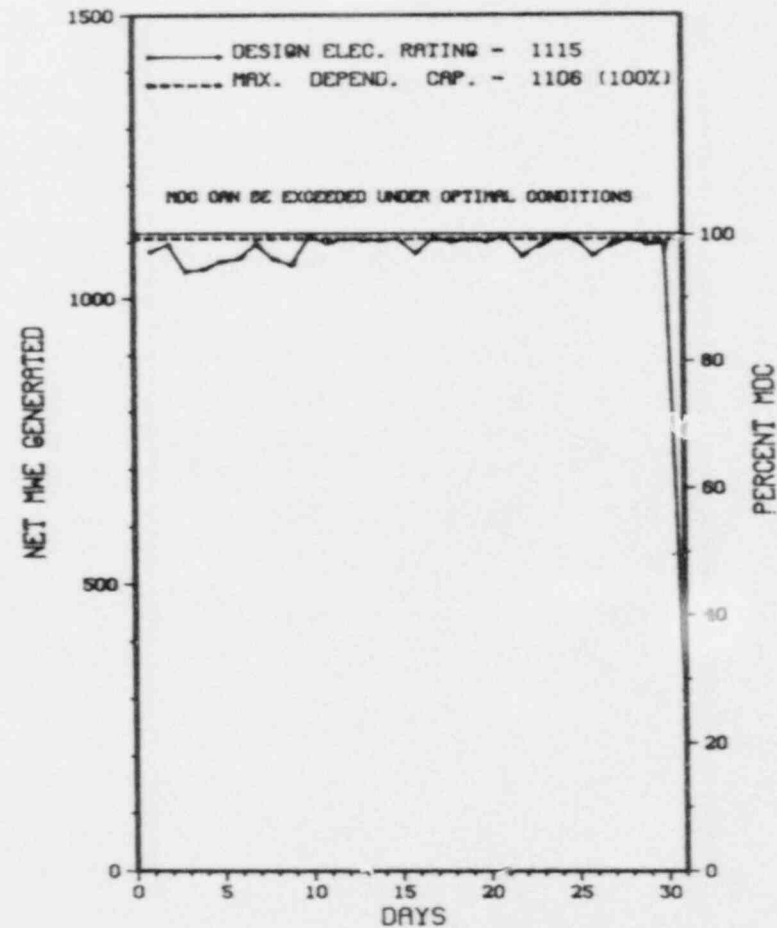
NONE

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

 X SALEM 2 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
017	01/31/88	F	0.0	B	5		CH	TURBIN	STEAM GENERATOR PUMP TURBINE MAINTENANCE
018	01/31/88	F	3.7	A	1		HA	MECFUN	MAIN TURBINE GOVERNOR CONTROL HYDRAULIC LEAK
019	01/31/88	F	0.0	A	5		CH	INSTRU	STEAM GENERATOR FEED PUMP LOCAL CONTROLS
020	01/31/88	F	0.0	A	5		CH	INSTRU	STEAM GENERATOR FEED PUMP LOCAL CONTROLS

* SUMMARY *

SALEM 2 EXPERIENCED 1 OUTAGE AND 3 POWER REDUCTIONS IN JANUARY FOR REASONS STATED 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 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TS 6.8, "PROCEDURES AND PROGRAMS," REQUIRES, IN PART, THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED WHICH MEET THE REQUIREMENTS AND RECOMMENDATIONS OF RG 1.22-1978, APPENDIX A. RG 1.35-1978, APPENDIX A RECOMMENDS THAT PROCEDURES FOR AIRBORNE RADIOACTIVITY MONITORING, PERSONNEL MONITORING AND AIRBORNE RADIATION MONITOR CALIBRATIONS BE ESTABLISHED. CONTRARY TO THE ABOVE, AIRBORNE RADIATION MONITORS, SPECIFICALLY, MPC-HR METERS, WERE BEING USED TO MONITOR PERSONNEL EXPOSURE TO AIRBORNE RADIOACTIVE MATERIAL FOR PURPOSES OF SHOWING COMPLIANCE WITH REGULATORY REQUIREMENTS WITHOUT ESTABLISHED PROCEDURES FOR THEIR USE AND EVALUATION OF THEIR RESULTS. CONTRARY TO THE ABOVE, CALIBRATIONS OF THE MPC-HR METERS WERE BEING PERFORMED WITHOUT ESTABLISHED PROCEDURES.
(8703 4)

TS 6.11, "RADIATION PROTECTION PROGRAM," REQUIRES IN PART, THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. PROCEDURE RP-202, "RADIATION WORK PERMITS," REQUIRES, IN PART, THAT IF THE JOB REQUIRES CONTINUOUS RADIATION PROTECTION COVERAGE, THE RADIATION PROTECTION TECHNICIAN ASSIGNED TO THE JOB SHALL BRIEF THE WORK PARTY AND THE PRE-JOB BRIEFING SHALL BE DOCUMENTED ON ATTACHMENT 12.3, "PRE-JOB BRIEFING SUMMARY,"

1. Docket: 50-206 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

4. Licensed Thermal Power (Mwt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

10. Power Level To Which Restricted, If Any (Net MWe): 390

11. Reasons for Restrictions, If Any:
SELF-IMPOSED CONTROL S.G. TUBE CORROSION.

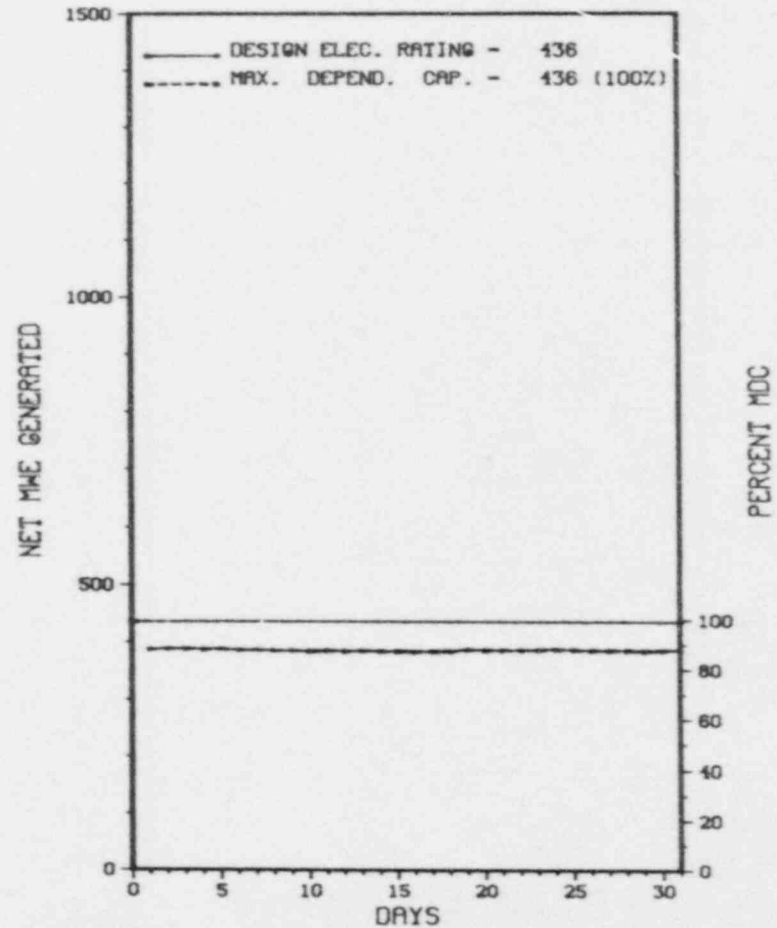
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>180,848.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>107,215.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>103,174.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>915,332</u>	<u>915,332</u>	<u>130,045,192</u>
18. Gross Elec Ener (MWH)	<u>303,600</u>	<u>303,600</u>	<u>43,981,326</u>
19. Net Elec Ener (MWH)	<u>287,314</u>	<u>287,314</u>	<u>41,530,579</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>57.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>57.1</u>
22. Unit Cap Factor (MDC Net)	<u>88.6</u>	<u>88.6</u>	<u>52.6</u>
23. Unit Cap Factor (DER Net)	<u>88.6</u>	<u>88.6</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>20.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,140.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MID-CYCLE OUTAGE FEBRUARY 14, 1988, 45-DAY DURATION

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

X SAN ONOFRE 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SAN ONOFRE 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 1 *

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

NONE

* SUMMARY *

SAN ONOFRE 1 OPERATED DURING JANUARY WITH A SELF IMPOSED RESTRICTION TO CONTROL S.G. TUBE CORROSION.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 JAN 1988

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.....R. HUEY
LICENSING PROJ MANAGER.....C. TRAMMELL
DOCKET NUMBER.....50-206
LICENSE & DATE ISSUANCE...DPR-13, MARCH 27, 1967
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
GENERAL LIBRARY
IRVINE, CA. 92713

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

INSPECTION SUMMARY

- + INSPECTION ON JUNE 6, 1986 - NOVEMBER 17, 1987 (REPORT NO. 50-206/87-26) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE, MAILED ON JANUARY 19, 1988.
- + INSPECTION ON NOVEMBER 22, 1987 - JANUARY 20, 1988 (REPORT NO. 50-206/87-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON DECEMBER 14-18, 1987 (REPORT NO. 50-206/87-30) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON UNRESOLVED AND OPEN ITEMS; LICENSEE EVENTS; INOFFICE REVIEW OF PERIODIC REPORTS; ALLEGATION FOLLOWUP; SOLID, LIQUID AND GASEOUS WASTE; TRANSPORTATION AND INCLUDING TOURS OF THE LICENSEE'S FACILITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON DECEMBER 7-11, 1987 (REPORT NO. 50-206/87-31) AREAS INSPECTED: AN UNANNOUNCED INSPECTION TO CLOSEOUT PREVIOUSLY IDENTIFIED OPEN ITEMS AND TO EVALUATE THE ADEQUACY OF THE IMPLEMENTATION OF THE ROUTINE FIRE PROTECTION PROGRAM.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + MANAGEMENT MEETING ON DECEMBER 15, 1987 (REPORT NO. 50-206/87-32) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE SAN ONOFRE NUCLEAR GENERATING STATION.

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SAN ONOFRE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-16-L0	11-10-87	12-10-87	ASCO SOLENOID VALVE FAILURES
87-18-L0	12-16-87	01-15-88	VOLUNTARY ENTRY INTO TS 3.0.3 DURING DC GROUND TROUBLESHOOTING

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Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
40	01/04/88	S	0.0	B	5		SJ	HX	POWER REDUCTION OF 20% OR GREATER TO PERFORM LEAK REPAIRS ON 4TH POINT FEEDWATER HEATER 2E043.
41	01/29/88	S	13.4	B	1		WI	ISV	THE TURBINE GENERATOR WAS TAKEN OFF LINE TO INVESTIGATE AND PERFORM REPAIRS ON STEAM GENERATOR E089 BLOWDOWN ISOLATION VAVLE PACKING LEAK.

 * SUMMARY *

 SAN ONOFRE 2 EXPERIENCED 1 OUTAGE AND 1 POWER REDUCTION IN JANUARY FOR REASONS INDICATED 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 2 *

FACILITY DATA

Report Period JAN 1988

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.....D. HICKMAN
DOCKET NUMBER.....50-361

LICENSE & DATE ISSUANCE...NPF-10, SEPTEMBER 7, 1982

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
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I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

- + INSPECTION ON JUNE 1, 1986 - NOVEMBER 17, 1987 (REPORT NO. 50-361/87-26) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE, MAILED ON JANUARY 19, 1988.
- + INSPECTION ON NOVEMBER 22, 1987 - JANUARY 20, 1988 (REPORT NO. 50-361/87-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON DECEMBER 14-18, 1987 (REPORT NO. 50-361/87-32) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON UNRESOLVED AND OPEN ITEMS; LICENSEE EVENTS; INOFFICE REVIEW OF PERIODIC REPORTS; ALLEGATION FOLLOWUP; SOLID, LIQUID AND GASEOUS WASTE; TRANSPORTATION AND INCLUDING TOURS OF THE LICENSEE'S FACILITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON DECEMBER 7-11, 1987 (REPORT NO. 50-361/87-33) AREAS INSPECTED: AN UNANNOUNCED INSPECTION TO CLOSEOUT PREVIOUSLY IDENTIFIED OPEN ITEMS AND TO EVALUATE THE ADEQUACY OF THE IMPLEMENTATION OF THE ROUTINE FIRE PROTECTION PROGRAM.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + MANAGEMENT MEETING HELD ON DECEMBER 15, 1987 (REPORT NO. 50-361/87-34) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE SAN ONOFRE NUCLEAR GENERATING STATION.

Report Period JAN 1988

REPORTS FROM LICENSEE

* SAN ONOFRE 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-10-L0	08-06-87	08-31-87	CPIS SPURIOUS ACTUATIONS CAUSED BY ELECTRIC NOISE SPIKES AFFECTING 2RT-7856 RAD MONITOR
87-11-L0	08-06-87	08-31-87	ACTUATIONS OF TGIS AND CREACUS SYSTEMS DUE TO USE OF CLEANING AGENT NEAR MONITOR
87-20-L0	08-31-87	11-11-87	INFORMATIONAL LER ON SDCS VALVE LEAK HP PROBLEMS
87-25-L0	11-23-87	12-22-87	18 MONTH SURVEILLANCE OF SNUBBERS NOT PERFORMED
87-26-L0	11-22-87	12-10-87	RELEASE OF HOT PARTICLES FROM RADIOLOGICALLY CONTROLLED AREA - ACTION COMPLETE
87-27-L0	11-30-87	12-30-87	TECH SPEC FIRE DOOR DISCREPANCIES
87-28-L0	12-06-87	01-05-88	CONTAINMENT PURGE ISOLATION SYSTEM ACTUATION DUE TO HIGH IMPEDANCE
87-29-L0	12-12-87	01-11-88	FUEL HANDLING ISOLATION SYSTEM TRAIN B ISOLATION
87-30-L0	11-27-87	01-08-88	MISSES SURVEILLANCE ON CONTAINMENT STACK IODINE AND PARTICULATE SAMPLES
87-31-L0	12-17-87	01-18-88	MANUAL REACTOR TRIP DUE TO FEEDWATER ISOLATION VALVE FAILING CLOSED

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1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

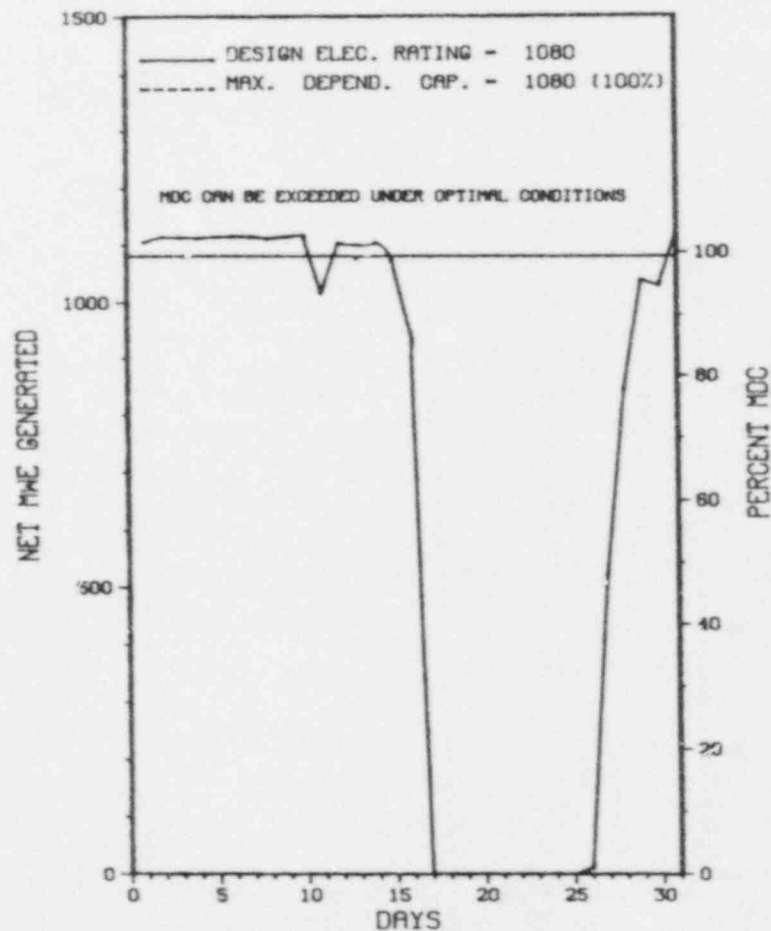
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>33,624.0</u>
13. Hours Reactor Critical	<u>554.3</u>	<u>554.3</u>	<u>24,276.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>508.4</u>	<u>508.4</u>	<u>23,382.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,642,927</u>	<u>1,642,927</u>	<u>71,098,688</u>
18. Gross Elec Ener (MWH)	<u>557,753</u>	<u>557,753</u>	<u>24,035,647</u>
19. Net Elec Ener (MWH)	<u>520,414</u>	<u>520,414</u>	<u>22,608,080</u>
20. Unit Service Factor	<u>68.3</u>	<u>68.3</u>	<u>69.5</u>
21. Unit Avail Factor	<u>68.3</u>	<u>68.3</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>64.8</u>	<u>64.8</u>	<u>62.3</u>
23. Unit Cap Factor (DER Net)	<u>64.8</u>	<u>64.8</u>	<u>62.3</u>
24. Unit Forced Outage Rate	<u>31.7</u>	<u>31.7</u>	<u>10.2</u>
25. Forced Outage Hours	<u>235.6</u>	<u>235.6</u>	<u>2,644.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - APRIL 23, 1988 - 80 DAY DURATION.

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

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SAN ONOFRE 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
39	01/16/88	F	235.6	A	1		TJ	PSF	A UNIT SHUTDOWN FROM 100% POWER WAS INITIATED TO INVESTIGATE THE CAUSE OF HYDROGEN INLEAKING INTO THE MAIN GENERATOR STATOR COOLING WATER SYSTEM AND TO PERFORM APPROPRIATE LEAK REPAIRS. THE INLEAKAGE WAS DUE TO FAILED BRAZED AND SOLDERED JOINTS IN THE STATOR COOLING WATER OUTLET MANIFOLD. THE FAILED JOINTS WERE REPAIRED AND RETURNED TO SERVICE.

 * SUMMARY *

 SAN ONOFRE 3 EXPERIENCED 1 OUTAGE IN JANUARY FOR REASONS STATED 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 JUN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAL: 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
CONDENSES 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.....D. HICKMAN
DOCKET NUMBER.....50-362
LICENSE & DATE ISSUANCE...NPF-15, NOVEMBER 15, 1982
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
GENERAL LIBRARY
IRVINE, CA 92713

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

INSPECTION SUMMARY

+ INSPECTION ON JUNE 1, 1986 - NOVEMBER 17, 1987 (REPORT NO. 50-362/87-28) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE. MAILED ON JANUARY 19, 1988.

+ INSPECTION ON NOVEMBER 22, 1987 - JANUARY 20, 1988 (REPORT NO. 50-362/87-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 14-18, 1987 (REPORT NO. 50-362/87-32) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON UNRESOLVED AND OPEN ITEMS; LICENSEE EVENTS; INOFFICE REVIEW OF PERIODIC REPORTS; ALLEGATION FOLLOWUP; SOLID, LIQUID AND GASEOUS WASTE; TRANSPORTATION AND TOURS OF THE LICENSEE'S FACILITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 7-11, 1987 (REPORT NO. 50-362/87-33) AREAS INSPECTED: AN UNANNOUNCED INSPECTION TO CLOSEOUT PREVIOUSLY IDENTIFIED OPEN ITEMS AND TO EVALUATE THE ADEQUACY OF THE IMPLEMENTATION OF THE ROUTINE FIRE PROTECTION PROGRAM.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ MANAGEMENT MEETING ON DECEMBER 15, 1987 (REPORT NO. 50-362/87-34) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE SAN ONOFRE NUCLEAR GENERATING STATION.

INSPECTION SUMMARY

+ INSPECTION ON JANUARY 4-13, 1988 (REPORT NO. 50-362/88-01) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS-SECURITY PROGRAM; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; PHYSICAL BARRIERS-PROTECTED AREA; LIGHTING; DETECTION AIDS-PROTECTED AREA; ALARM STATIONS; SECURITY EVENT FOLLOWUP; FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS; AND INDEPENDENT INSPECTION EFFORT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

- + INSPECTION ON JANUARY 4 - FEBRUARY 5, 1988 (REPORT NO. 50-362/88-02) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 10 - FEBRUARY 20, 1988 (REPORT NO. 50-362/88-03) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 19 - FEBRUARY 5, 1988 (REPORT NO. 50-362/88-04) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT CONTINUED OPERATION THROUGHOUT DECEMBER.

LAST IE SITE INSPECTION DATE: 01/10 - 02/20/88+

INSPECTION REPORT NO: 50-362/88-03+

Report Period JAN 1988

REPORTS FROM LICENSEE

* SAN ONOFRE 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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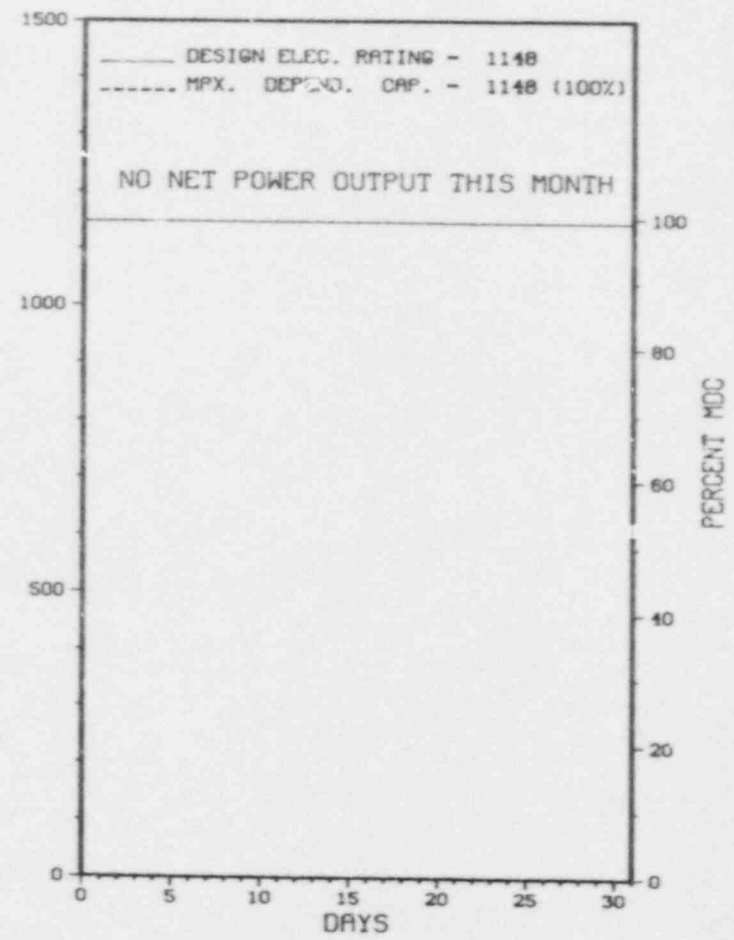
NONE

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 * SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SEQUOYAH 1

1. Docket: 50-327 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: DAVID DUPREE (615) 870-6722
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



JANUARY 1988

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>57,745.0</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>-4,733</u>	<u>-4,733</u>	<u>24,849,590</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>41.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>41.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>37.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>37.5</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>50.8</u>
25. Forced Outage Hours	<u>744.0</u>	<u>744.0</u>	<u>24,635.1</u>

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

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

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X SEQUOYAH 1 X
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/20/85	F	744.0	F	4				DESIGN CONTROL, CONFIGURATION UPDATING, AND EMPLOYEE CONCERNS.

XXXXXXXXXX SEQUOYAH 1 REMAINED SHUTDOWN IN JANUARY BECAUSE OF DESIGN CONTROL, CONFIGURATION UPDATING,
X SUMMARY X AND EMPLOYEE CONCERNS.
XXXXXXXXXX

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 JAN 1988

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....E. MCKENNA
DOCKET NUMBER.....50-327
LICENSE & DATE ISSUANCE...DPR-77, SEPTEMBER 17, 1980
PUBLIC DOCUMENT ROOM.....CPATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION OCTOBER 6 - NOVEMBER 5 (87-65): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED INSPECTION ONSITE BY THE RESIDENT INSPECTORS IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SAFEGUARDS AND HOUSEKEEPING INSPECTIONS; MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; REVIEW OF IE INFORMATION NOTICES; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. THREE VIOLATIONS WERE IDENTIFIED. (327, 328/87-65-01), INADEQUATE CORRECTIVE ACTIONS; (327, 328/87-65-02), INADEQUATE RESPONSE TIME TEST; (327, 328/87-65-03), FAILURE TO ADEQUATELY CONTROL CHANGES TO CONTROL ROOM DRAWINGS. ONE UNRESOLVED ITEM WAS IDENTIFIED. (327, 328/87-65-04), SURVEILLANCE DISCREPANCIES.

INSPECTION NOVEMBER 6 - DECEMBER 4 (87-71): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED INSPECTION ONSITE BY THE RESIDENT INSPECTORS IN THE AREAS OF: OPERATIONAL SAFETY VERIFICATION (INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SAFEGUARDS AND HOUSEKEEPING INSPECTIONS); MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. FOUR VIOLATIONS WERE IDENTIFIED; FAILURE TO IMPLEMENT ADEQUATE DESIGN CONTROL. FAILURE TO AFFECT ADEQUATE CORRECTIVE ACTION. INADEQUATE SURVEILLANCE INSTRUCTION. FAILURE TO REPORT A TECHNICAL SPECIFICATION VIOLATION.

ENFORCEMENT SUMMARY

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1. Docket: 50-328 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6722

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>744.0</u>	<u>49,705.0</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>-7,418</u>	<u>-7,418</u>	<u>22,500,728</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>43.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>43.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>39.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>39.4</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>52.1</u>
25. Forced Outage Hours	<u>744.0</u>	<u>744.0</u>	<u>23,387.3</u>

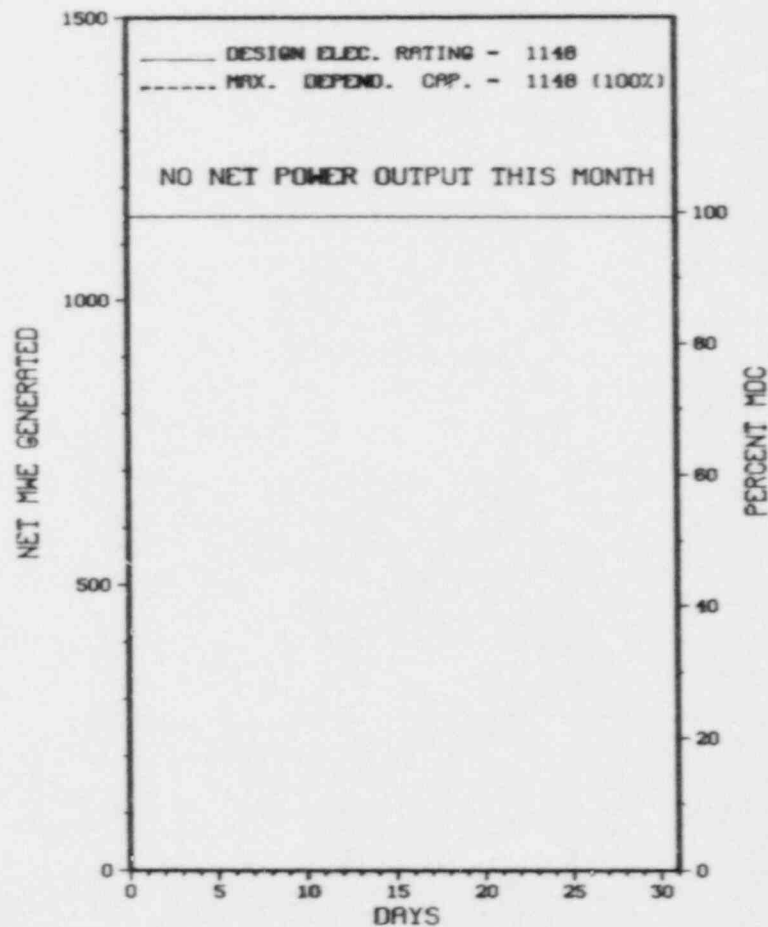
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SEQUOYAH 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	08/21/85	F	744.0	F	4			DESIGN CONTROL, CONFIGURATION UPDATING, AND EMPLOYEE CONCERNS.

* SUMMARY *

SEQUOYAH 2 REMAINED SHUTDOWN IN JANUARY BECAUSE OF DESIGN CONTROL, CONFIGURATION UPDATING, AND EMPLOYEE CONCERNS.

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

* SEQUOYAH 2 *

FACILITY DATA

Report Period JAN 1988

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.....E. MCKENNA
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 OCTOBER 6 - NOVEMBER 5 (87-65): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED INSPECTION ONSITE BY THE RESIDENT INSPECTORS IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SAFEGUARDS AND HOUSEKEEPING INSPECTIONS; MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; REVIEW OF IE INFORMATION NOTICES; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. THREE VIOLATIONS WERE IDENTIFIED. (327, 328/87-65-01), INADEQUATE CORRECTIVE ACTIONS; (327, 328/87-65-02), INADEQUATE RESPONSE TIME TEST; (327, 328/87-65-03), FAILURE TO ADEQUATELY CONTROL CHANGES TO CONTROL ROOM DRAWINGS. ONE UNRESOLVED ITEM WAS IDENTIFIED. (327, 328/87-65-04), SURVEILLANCE DISCREPANCIES.

INSPECTION NOVEMBER 6 - DECEMBER 4 (87-71): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED INSPECTION ONSITE BY THE RESIDENT INSPECTORS IN THE AREAS OF: OPERATIONAL SAFETY VERIFICATION (INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SAFEGUARDS AND HOUSEKEEPING INSPECTIONS); MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. FOUR VIOLATIONS WERE IDENTIFIED; FAILURE TO IMPLEMENT ADEQUATE DESIGN CONTROL. FAILURE TO AFFECT ADEQUATE CORRECTIVE ACTION. INADEQUATE SURVEILLANCE INSTRUCTION. FAILURE TO REPORT A TECHNICAL SPECIFICATION VIOLATION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

ENVIRONMENTAL QUALIFICATION OF EQUIPMENT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MODE 5.

LAST IE SITE INSPECTION DATE: NOVEMBER 6 - DECEMBER 4, 1987 +

INSPECTION REPORT NO: 50-328/87-71 +

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
87-010	12/21/87	01/15/88	TWO CONTAINMENT VENTILATION ISOLATIONS OCCURRED AS THE RESULT OF A SPURIOUS HIGH RADIATION SPIKE

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1. Docket: 50-335 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 694-4432

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): 872

8. Maximum Dependable Capacity (Net MWe): 839

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>97,416.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>73,295.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>71,714.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>2,007,107</u>	<u>2,007,107</u>	<u>183,352,744</u>
18. Gross Elec Ener (MWH)	<u>676,290</u>	<u>676,290</u>	<u>60,199,875</u>
19. Net Elec Ener (MWH)	<u>642,871</u>	<u>642,871</u>	<u>56,834,460</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>73.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>73.7</u>
22. Unit Cap Factor (MDC Net)	<u>103.0</u>	<u>103.0</u>	<u>69.5</u>
23. Unit Cap Factor (DER Net)	<u>104.1</u>	<u>104.1</u>	<u>70.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,940.9</u>

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

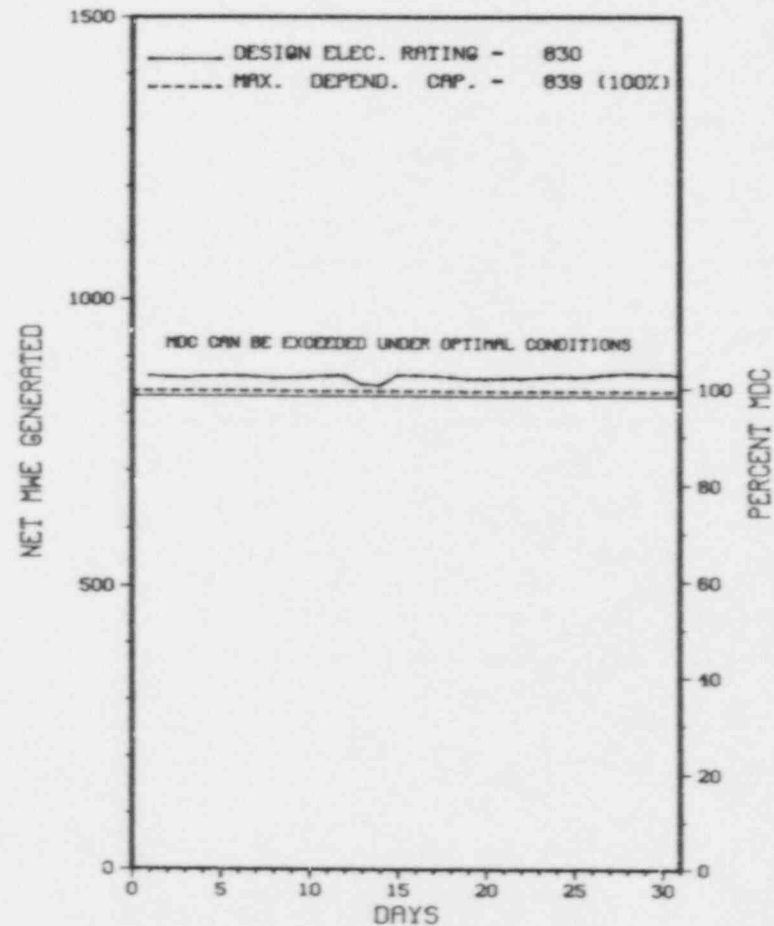
NONE

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 1 *

Date Type Hours Reason Method LER Number System Component Cause & Corrective Action to Prevent Recurrence

N HE

* SUMMARY *

ST LUCIE 1 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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)

* ST LUCIE 1 *

FACILITY DATA

Report Period JAN 1988

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. CRLNJK
LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-335
LICENSE 3 DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1 - DECEMBER 5 (87-25): THIS INSPECTION INVOLVED ON SITE ACTIVITIES IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND REFUELING ACTIVITIES. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION DECEMBER 7-11 (87-30): THIS ROUTINE, UNANNOUNCED WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, THE LICENSEE FAILED TO FOLLOW DOCUMENT CONTROL PROCEDURE. FOUR EXAMPLES OF PERFORMING SAFETY RELATED ACTIVITIES WITH SUPERSEDED PROCEDURES FROM 45 TO 202 DAYS AFTER THE MANDATORY IMPLEMENTATION DATE OF THE NEXT REVISION OF THAT PROCEDURE.
(8702 5)

OTHER ITEMS

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: DECEMBER 7-11, 1987 +

INSPECTION REPORT NO: 50-335/87-30 +

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
87-017	12/21/87	01/20/88	REACTOR TRIP DUE TO RPS HI START-UP RATE B CHANNEL IN TRIP AND THE LOSS OF INSTRUMENT BUS DUE TO PERSONNEL ERROR

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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: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 694-4432

4. Licensed Thermal Power (Mwt): 2700

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 882

8. Maximum Dependable Capacity (Net MWe): 839

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

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

11. Reasons for Restrictions, If Any:
NONE

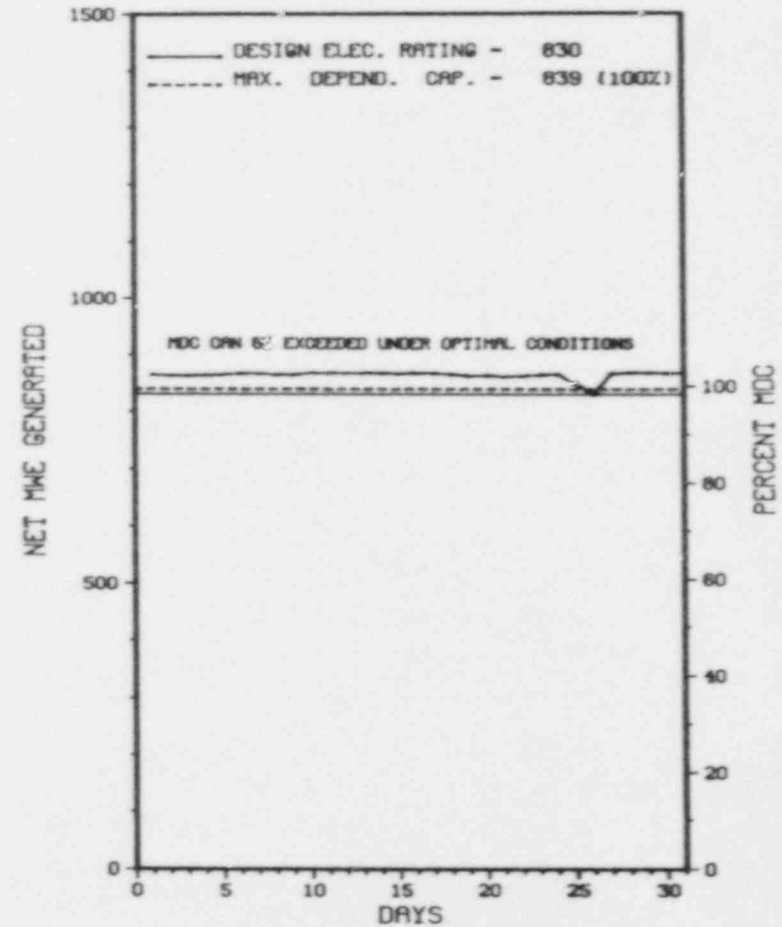
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>39,313.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>33,501.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>32,781.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,005,297</u>	<u>2,005,297</u>	<u>85,001,939</u>
18. Gross Elec Ener (MWH)	<u>676,230</u>	<u>676,230</u>	<u>28,374,890</u>
19. Net Elec Ener (MWH)	<u>642,460</u>	<u>642,460</u>	<u>26,810,248</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>83.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>83.4</u>
22. Unit Cap Factor (MDC Net)	<u>102.9</u>	<u>102.9</u>	<u>81.3</u>
23. Unit Cap Factor (DER Net)	<u>104.0</u>	<u>104.0</u>	<u>82.2</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>2,511.7</u>

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* ST LUCIE 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ST LUCIE 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

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

NONE

* SUMMARY *

ST LUCIE 2 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

* ST LUCIE 2 *

FACILITY DATA

Report Period JAN 1988

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. CRLNJK
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

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1 - DECEMBER 5 (87-24): THIS INSPECTION INVOLVED ON SITE ACTIVITIES IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, AND REFUELING ACTIVITIES. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION DECEMBER 7-11 (87-29): THIS ROUTINE, UNANNOUNCED WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-395 OPERATING STATUS
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: J. W. HALTIHANGER (803) 345-5209
 4. Licensed Thermal Power (MWT): 2775
 5. Nameplate Rating (Gross MWe): 900
 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>744.0</u>	<u>744.0</u>	<u>35,808.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>27,412.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>26,872.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,062,574</u>	<u>2,062,574</u>	<u>70,846,254</u>
18. Gross Elec Ener (MWH)	<u>690,360</u>	<u>690,360</u>	<u>23,519,773</u>
19. Net Elec Ener (MWH)	<u>662,759</u>	<u>662,759</u>	<u>22,402,342</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>75.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.7</u>	<u>100.7</u>	<u>70.7</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>99.0</u>	<u>69.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,823.1</u>

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

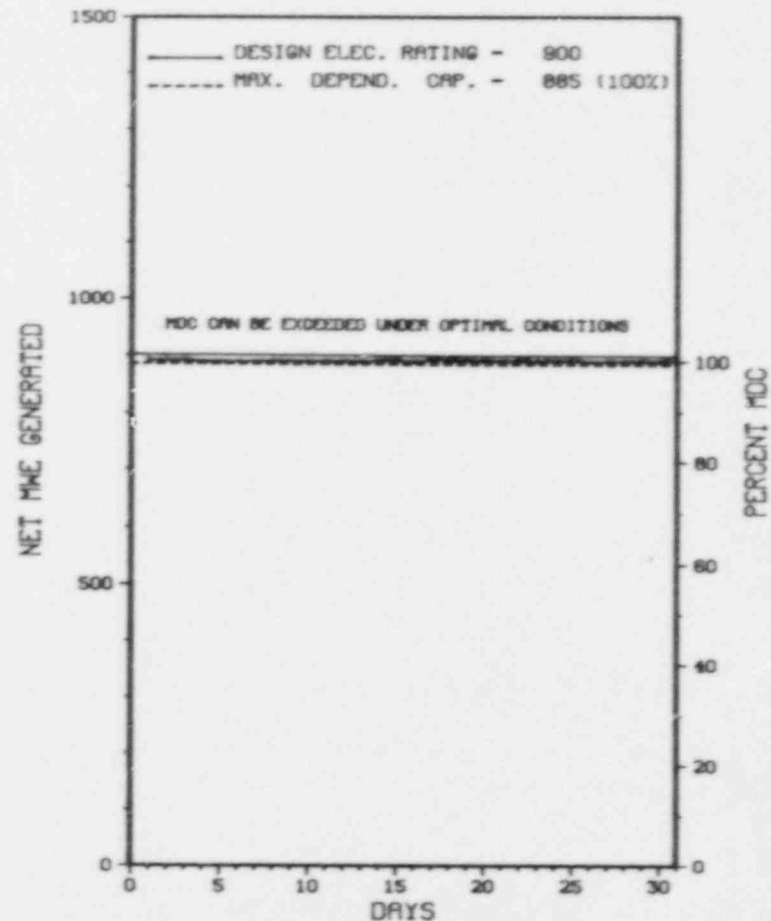
NONE

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

 * SUMMER 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
X SUMMER 1 X
XX

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

NONE

XXXXXXXXXXXX SUMMER 1 OPERATED AT APPROXIMATELY 100 PERCENT POWER FOR THE ENTIRE MONTH OF JANUARY.
X SUMMARY X
XXXXXXXXXXXX

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

* SUMMER 1 *

FACILITY DATA

Report Period JAN 1988

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. HAYES
DOCKET NUMBER.....50-395
LICENSE & DATE ISSUANCE...NPF-12, NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....FAIRFIELD COUNTY LIBRARY
GARDEN & WASHINGTON STREETS
WINNSBORO, SOUTH CAROLINA 29180

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

INSPECTION SUMMARY

* INSPECTION NOVEMBER 16-20 (87-32): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LICENSED AND NON-LICENSED STAFF TRAINING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 7-11 (87-35): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LIQUID AND GASEOUS EFFLUENTS AND GATHERING OF DATA ON COLLOCATED LICENSEE AND NRC ENVIRONMENTAL TLDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 1 - JANUARY 4 (87-36): THIS ROUTINE ANNOUNCED INSPECTION WAS CONDUCTED BY THE RESIDENT INSPECTORS ONSITE, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, ONSITE FOLLOWUP OF EVENTS AND SUBSEQUENT WRITTEN REPORTS, AND I.E. BULLETIN FOLLOWUP. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: L. A. WARREN (804) 357-3184

4. Licensed Thermal Power (Mwt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 820

8. Maximum Dependable Capacity (Net MWe): 781

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

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

11. Reasons for Restrictions, If Any:
NONE

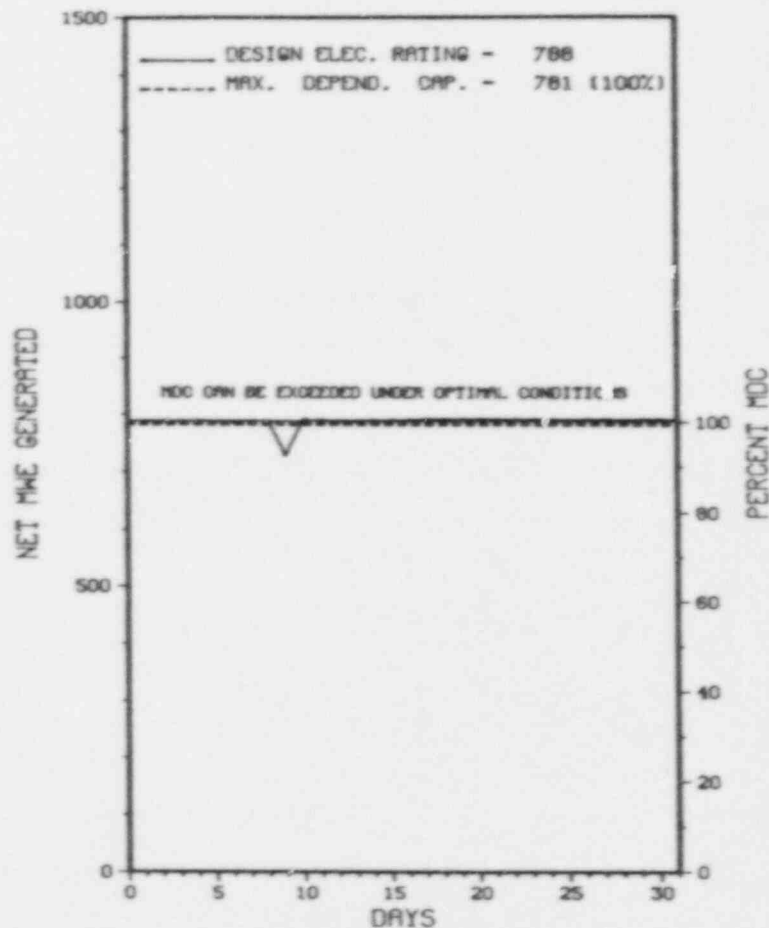
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>132,456.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>85,483.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>83,714.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,811,710</u>	<u>1,811,710</u>	<u>194,038,976</u>
18. Gross Elec Ener (MWH)	<u>614,935</u>	<u>614,935</u>	<u>62,990,108</u>
19. Net Elec Ener (MWH)	<u>585,817</u>	<u>585,817</u>	<u>59,737,979</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>63.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>66.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>100.8</u>	<u>57.7</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>99.9</u>	<u>57.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>17.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>14,420.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - APRIL 8 - 48 DAYS

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

XX
X SURRY 1 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SURRY 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/09/88	S	0.0	B	5			UNIT WAS REDUCED TO 69%, 575 MW'S TO ALLOW MONTHLY TESTING OF TURBINE VALVES. (PT-29.1)

* SURRY 1 INCURRED 1 POWER REDUCTION IN JANUARY FOR VALVE TESTING.
* SUMMARY *

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

* SURRY 1 *

FACILITY DATA

Report Period JAN 1988

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-52, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SNEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23187

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

INSPECTION SUMMARY

* INSPECTION NOVEMBER 16-20 (87-32): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF NON-LICENSED STAFF TRAINING, LICENSED OPERATOR TRAINING, AND IMPLEMENTATION OF GENERIC LETTER NO. 81-21, NATURAL CIRCULATION COOLDOWN. ONE VIOLATION WAS IDENTIFIED INVOLVING FAILURE TO HAVE AN ADEQUATE EMERGENCY OPERATING PROCEDURE FOR NATURAL CIRCULATION COOLDOWN. ONE DEVIATION WAS IDENTIFIED INVOLVING THE FAILURE TO MEET PROCEDURE GENERATION PACKAGE COMMITMENTS FOR DOCUMENTATION OF JUSTIFICATION FOR STEPS IN AN EMERGENCY OPERATING PROCEDURE FOR NATURAL CIRCULATION COOLDOWN.

INSPECTION DECEMBER 7-11 (87-35): THIS WAS A ROUTINE UNANNOUNCED INSPECTION IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL, SOLID WASTES, TRANSPORTATION, NRC INFORMATION NOTICES, ALLEGATIONS, AND OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES. ONE VIOLATION WAS IDENTIFIED: FAILURE TO ADHERE TO RADIATION CONTROL PROCEDURES.

INSPECTION DECEMBER 5 - JANUARY 2 (87-36): THIS ROUTINE INSPECTION WAS CONDUCTED IN THE AREAS OF PLANT OPERATIONS, PLANT MAINTENANCE, PLANT SURVEILLANCE, FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS, AND LICENSEE EVENT REPORT REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS INSPECTION REPORT.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-281 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: L. A. WARREN (804) 357-3184

4. Licensed Thermal Power (Mwt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 820

8. Maximum Dependable Capacity (Net MWe): 781

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

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

11. Reasons for Restrictions, If Any:
NONE

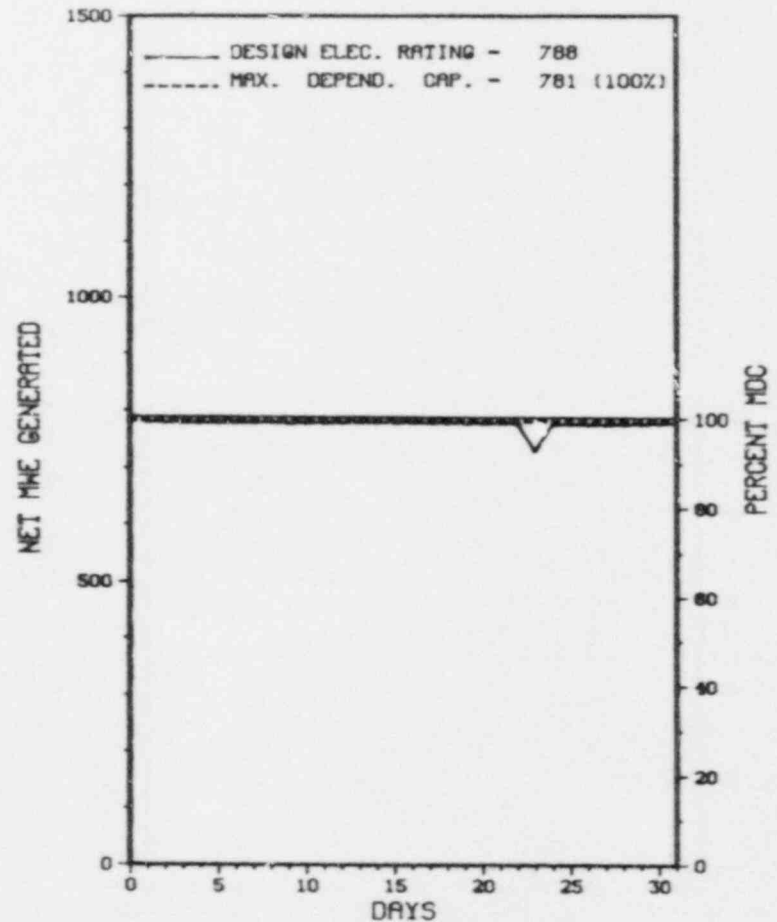
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>129,336.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>85,412.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-line	<u>744.0</u>	<u>744.0</u>	<u>84,042.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,811,066</u>	<u>1,811,066</u>	<u>196,981,415</u>
18. Gross Elec Ener (MWH)	<u>606,540</u>	<u>606,540</u>	<u>63,974,364</u>
19. Net Elec Ener (MWH)	<u>577,580</u>	<u>577,580</u>	<u>60,656,361</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>65.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>65.0</u>
22. Unit Cap Factor (MDC Net)	<u>99.4</u>	<u>99.4</u>	<u>60.0</u>
23. Unit Cap Factor (DER Net)	<u>98.5</u>	<u>98.5</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,859.1</u>

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SURRY 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SURRY 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/23/88	S	0.0	B	5				UNIT WAS REDUCED TO 70% POWER, 590 MW'S TO ALLOW MONTHLY TESTING OF TURBINE VALVES (PT-29.1)

***** SURRY 2 EXPERIENCED 1 POWER REDUCTION IN JANUARY FOR VALVE 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-0167)

* SURRY 2 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 7, 1973
DATE ELEC ENER 1ST GENER...MARCH 10, 1973
DATE COMMERCIAL OPERATE...MAY 1, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....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

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 16-20 (87-32): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF NON-LICENSED STAFF TRAINING, LICENSED OPERATOR TRAINING, AND IMPLEMENTATION OF GENERIC LETTER NO. 81-21, NATURAL CIRCULATION COOLDOWN. ONE VIOLATION WAS IDENTIFIED INVOLVING FAILURE TO HAVE AN ADEQUATE EMERGENCY OPERATING PROCEDURE FOR NATURAL CIRCULATION COOLDOWN. ONE DEVIATION WAS IDENTIFIED INVOLVING THE FAILURE TO MEET PROCEDURE GENERATION PACKAGE COMMITMENTS FOR DOCUMENTATION OF JUSTIFICATION FOR STEPS IN AN EMERGENCY OPERATING PROCEDURE FOR NATURAL CIRCULATION COOLDOWN.

INSPECTION DECEMBER 7-11 (87-35): THIS WAS A ROUTINE UNANNOUNCED INSPECTION IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL, SOLID WASTES, TRANSPORTATION, NRC INFORMATION NOTICES, ALLEGATIONS, AND OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES. ONE VIOLATION WAS IDENTIFIED: FAILURE TO ADHERE TO RADIATION CONTROL PROCEDURES.

INSPECTION DECEMBER 5 - JANUARY 2 (87-36): THIS ROUTINE INSPECTION WAS CONDUCTED IN THE AREAS OF PLANT OPERATIONS, PLANT MAINTENANCE, PLANT SURVEILLANCE, FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS, AND LICENSEE EVENT REPORT REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS INSPECTION REPORT.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-387 O P E R A T I N G S T A T U S

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>744.0</u>	<u>40,777.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>29,398.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>773.2</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>28,692.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,332,167</u>	<u>2,332,167</u>	<u>88,378,592</u>
18. Gross Elec Ener (MWH)	<u>771,444</u>	<u>771,444</u>	<u>28,782,043</u>
19. Net Elec Ener (MWH)	<u>742,903</u>	<u>742,903</u>	<u>27,590,299</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>70.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>96.8</u>	<u>96.8</u>	<u>65.6</u>
23. Unit Cap Factor (DER Net)	<u>93.8</u>	<u>93.8</u>	<u>63.5</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>3,416.6</u>

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

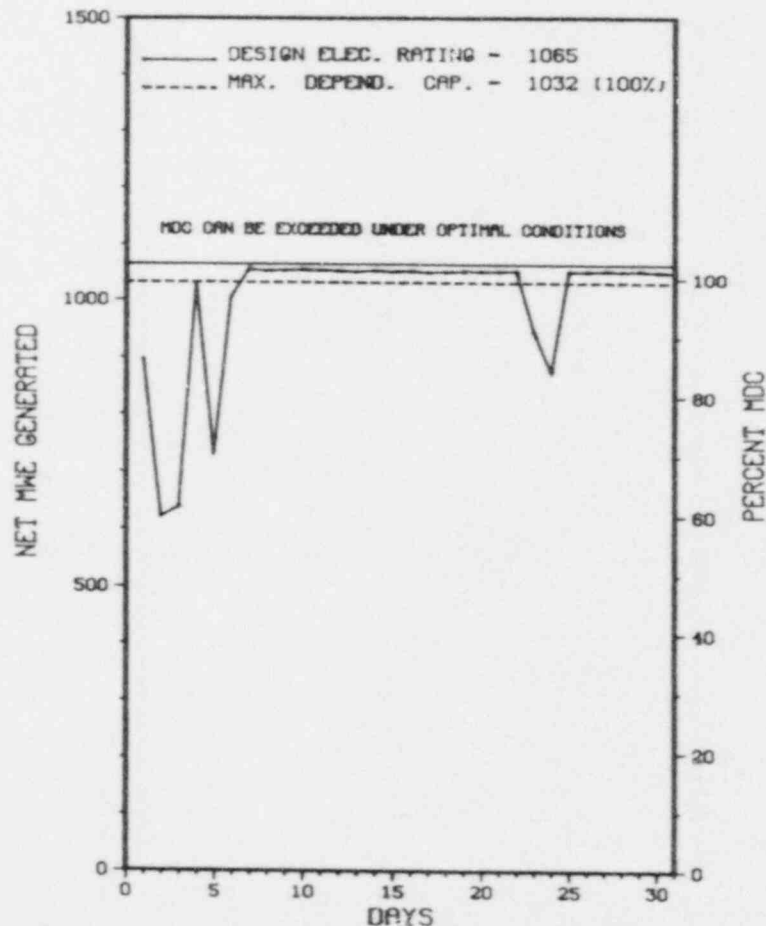
NONE

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

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/01/88	F	0.0	A	5		SG	COND	ON 1/1/88, A POWER REDUCTION TO 60% RATED POWER OCCURRED DUE TO A HIGH CONDENSATE DEMINERALIZER INFLUENT CONDUCTIVITY. CHEMISTRY SAMPLES INDICATED CONDUCTIVITY WAS 0.19 UMHO/CM. AT 1508 HOURS OPERATIONS PERSONNEL BEGAN TO REDUCE POWER. PLANT PERSONNEL SUSPECTED THE HIGH CONDUCTIVITY WAS THE RESULT OF A LEAK IN THE 'C' CONDENSER WATERBOX. CONDUCTIVITY DECREASED. AFTER REDUCING POWER AND PUMPING DOWN THE WATERBOX PLANT PERSONNEL BEGAN TO LOOK FOR TUBE LEAKS IN THE WATERBOX. NONE WERE FOUND. OPERATIONS INCREASED POWER TO 100% 1/4 CONDUCTIVITY WAS CONSTANT FOR APPROX A DAY. ON 1/5/88, CONDUCTIVITY INCREASED AGAIN. POWER WAS REDUCED TO 60% AND THE 'D' CONDENSER WATERBOX WAS ISOLATED. ONE TUBE WAS LEAKING. PLANT PLUGGED THE TUBE AND POWER RETURNED TO 100% AT 1200 ON JANUARY 6TH.

 * SUMMARY *

 SUSQUEHANNA 1 EXPERIENCED 1 POWER REDUCTION IN JANUARY FOR REASONS STATED ABOVE.

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

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period JAN 1988

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.....L. PLISCO
LICENSING PROJ MANAGER....M. THADANI
DOCKET NUMBER.....50-387
LICENSE & DATE ISSUANCE...NPF-14, NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

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 OPERATING STATUS
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 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>744.0</u>	<u>744.0</u>	<u>26,016.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>22,295.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>693.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>21,904.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,407,323</u>	<u>2,407,323</u>	<u>69,033,041</u>
18. Gross Elec Ener (MWH)	<u>793,530</u>	<u>793,530</u>	<u>22,600,292</u>
19. Net Elec Ener (MWH)	<u>766,140</u>	<u>766,140</u>	<u>21,767,104</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>84.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>84.2</u>
22. Unit Cap Factor (MDC Net)	<u>99.8</u>	<u>99.8</u>	<u>81.1</u>
23. Unit Cap Factor (DER Net)	<u>96.7</u>	<u>96.7</u>	<u>78.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.1</u>	<u>8.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,149.0</u>

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

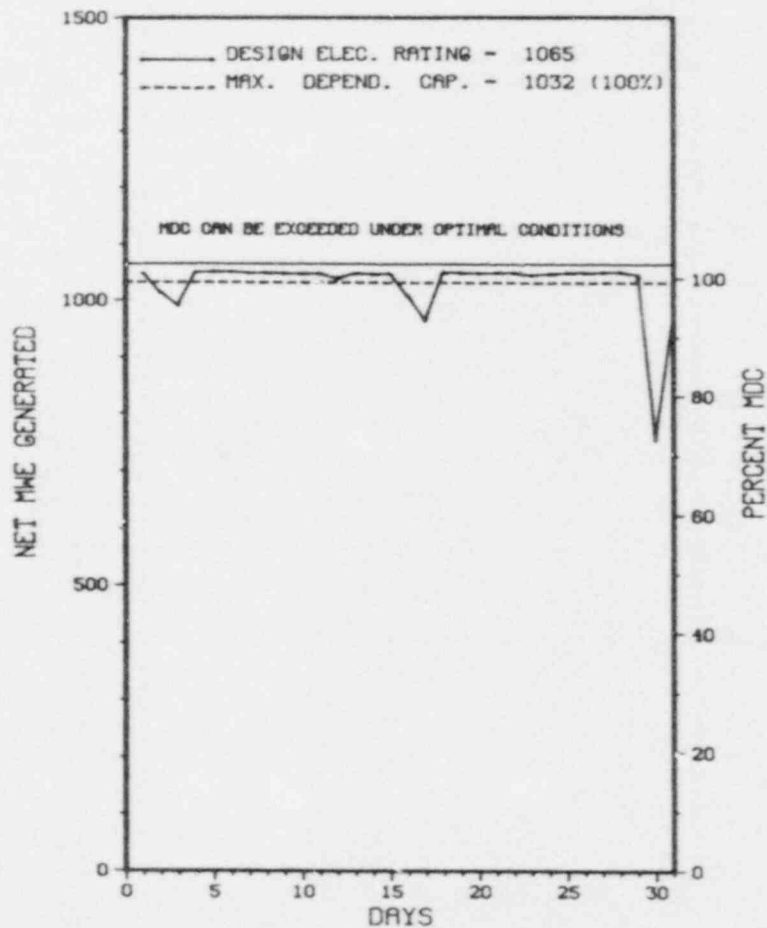
REFUELING - MARCH 5, 1988 - DURATION 77 DAYS.

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

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/30/88	S	0.0	B	5		AD	MG	ON JANUARY 29, 1988, OPERATIONS PERSONNEL REDUCED REACTOR POWER TO 60% TO COMPLETE A BRUSH CHANGE-OUT ON THE RECIRCULATION PUMP'S MOTOR-GENERATORS AND TO CHANGE CONTROL ROD SEQUENCES. FOLLOWING COMPLETION OF THESE ITEMS OPERATORS RETURNED THE PLANT TO 100% RATED POWER AT ABOUT 2200 ON JANUARY 31ST.

 * SUMMARY *

 SUSQUEHANNA 2 EXPERIENCED 1 POWER REDUCTION IN JANUARY FOR REASONS STATED ABOVE.

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

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period JAN 1988

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. THADANI
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JAN 1988

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

* SUSQUEHANNA 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): 824

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

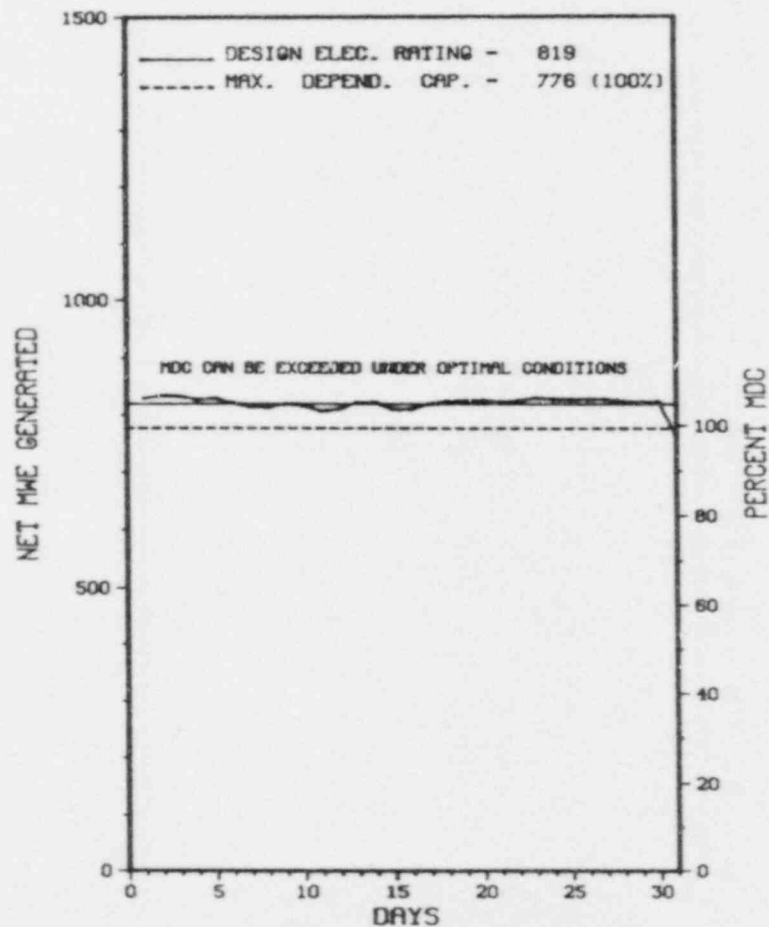
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>117,601.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>47,264.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,886.2</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>46,343.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,874,480</u>	<u>1,874,480</u>	<u>112,362,180</u>
18. Gross Elec Ener (MWH)	<u>646,084</u>	<u>646,084</u>	<u>37,514,305</u>
19. Net Elec Ener (MWH)	<u>610,304</u>	<u>610,304</u>	<u>35,114,587</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>39.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>39.4</u>
22. Unit Cap Factor (MDC Net)	<u>105.7</u>	<u>105.7</u>	<u>38.2*</u>
23. Unit Cap Factor (DER Net)	<u>100.2</u>	<u>100.2</u>	<u>36.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>56.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>59,312.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE - 2/16/88 - 4 DAYS; REFUEL - 6/17/88 - 64 DAYS

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
THREE MILE ISLAND 1



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* THREE MILE ISLAND 1 *

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

* SUMMARY *

THREE MILE ISLAND 1 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT 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)

* THREE MILE ISLAND 1 *

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

Report Period JAN 1988

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.....R. HERNAN
DOCKET NUMBER.....50-289
LICENSE & DATE ISSUANCE...DPR-50, APRIL 19, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period JAN 1988

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

* THREE MILE ISLAND 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST ON SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-344 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): 1153

8. Maximum Dependable Capacity (Net MWe): 1095

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC RATINGS DUE TO IMPROVED PLANT PERFORMANCE FROM UPGRADE

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

11. Reasons for Restrictions, If Any: _____
NONE

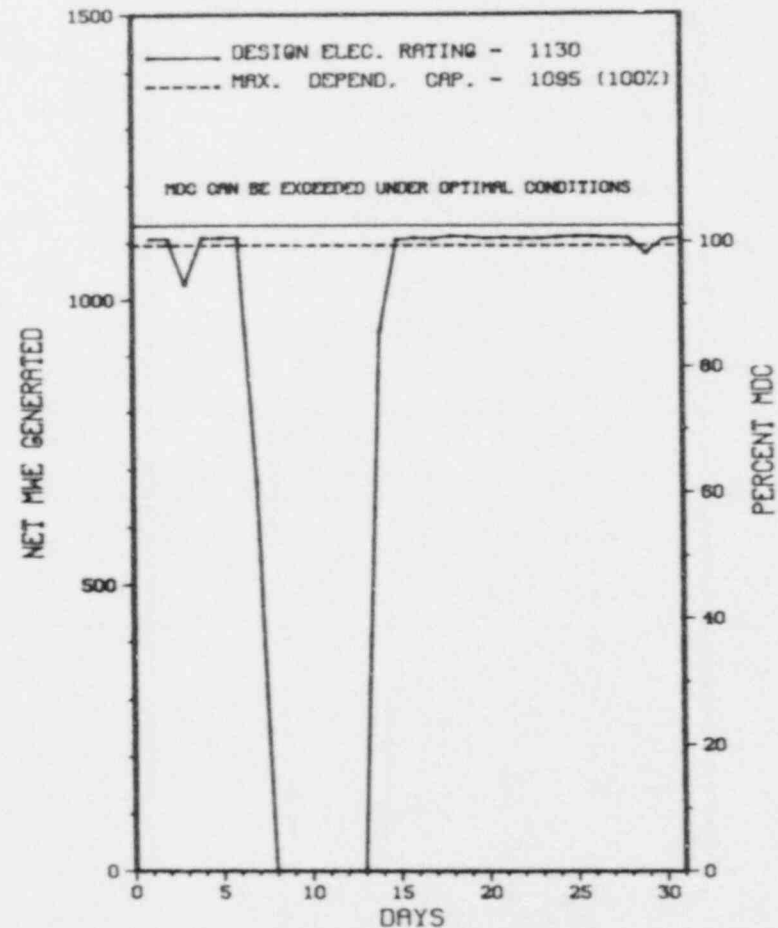
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>100,080.0</u>
13. Hours Reactor Critical	<u>617.3</u>	<u>617.3</u>	<u>62,962.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>614.9</u>	<u>614.9</u>	<u>61,286.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>2,078,311</u>	<u>2,078,311</u>	<u>195,423,675</u>
18. Gross Elec Ener (MWH)	<u>705,902</u>	<u>705,902</u>	<u>63,593,973</u>
19. Net Elec Ener (MWH)	<u>670,237</u>	<u>670,237</u>	<u>60,169,514</u>
20. Unit Service Factor	<u>82.6</u>	<u>82.6</u>	<u>61.2</u>
21. Unit Avail Factor	<u>82.6</u>	<u>82.6</u>	<u>64.5</u>
22. Unit Cap Factor (MDC Net)	<u>82.3</u>	<u>82.3</u>	<u>54.9</u>
23. Unit Cap Factor (DER Net)	<u>79.7</u>	<u>79.7</u>	<u>53.2</u>
24. Unit Forced Outage Rate	<u>17.4</u>	<u>17.4</u>	<u>13.9</u>
25. Forced Outage Hours	<u>129.1</u>	<u>129.1</u>	<u>9,932.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - APRIL 15, 1988 - 49 DAY DURATION

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

 * TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 TROJAN



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/08/88	F	129.1	A	3	88-01	IA	INSTRU	PLANT TRIP FROM 100% DUE TO FAILED ELECTRICAL COMPONENT IN OVERPOWER DELTA T CIRCUIT THAT OCCURRED SIMULTANEOUSLY WITH PERIODIC INSTRUMENT AND CONTROL TESTING.

 * SUMMARY *

 TROJAN INCURRED 1 OUTAGE IN JANUARY FOR REASONS STATED 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 JAN 1988

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.....R. BARR
LICENSING PROJ MANAGER.....T. CHAN
DOCKET NUMBER.....50-344
LICENSE & DATE ISSUANCE...NPF-1, NOVEMBER 21, 1975
PUBLIC DOCUMENT ROOM.....LIBRARY ASSOCIATION OF PORTLAND
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97207

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

INSPECTION SUMMARY

- + INSPECTION ON NOVEMBER 1, 1986 - NOVEMBER 30, 1987 (REPORT NO. 50-344/87-41) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON NOVEMBER 22, 1987 - JANUARY 2, 1988 (REPORT NO. 50-344/87-44) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE AND EVENT FOLLOWUP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON JANUARY 4-22, 1988 (REPORT NO. 50-344/88-01) AREAS INSPECTED: THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED THE AREAS OF INSERVICE TESTING OF PUMPS AND VALVES. THE INSPECTION INCLUDED REVIEW OF THE PROGRAM, PROCEDURES, RECORDS, AND INTERVIEWS WITH LICENSEE PERSONNEL. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: IN THE AREAS INSPECTED, A VIOLATION WAS IDENTIFIED FOR INADEQUATE REVIEW OF 1ST SURVEILLANCE DATA.
- + MANAGEMENT MEETING ON JANUARY 4, 1988 (REPORT NO. 50-344/88-02) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE TROJAN NUCLEAR GENERATING STATION.

INSPECTION SUMMARY

+ INSPECTION ON JANUARY 3 - FEBRUARY 13, 1988 (REPORT NO. 50-344/88-03) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES OR DRAWINGS AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. BRUCE GM DIESEL INC., DRAWING A071F07001, REVISION 9 - SCHEMATIC DIAGRAM - AIR START SYSTEM FOR TANDEM ENGINE UNIT, REQUIRES THE EDG AIR START SYSTEM LUBRICATORS TO BE INSTALLED UPSTREAM OF THE RELAY AIR VALVES. DRAWING A071F07001, AS STATED PREVIOUSLY, DOES NOT INDICATE INSTALLATION OF A PRESSURE GAGE ON THE EDG AIR START SYSTEM RELAY AIR VALVES. DRAWING A071F07001, NOTED ABOVE, REQUIRES EDG AIR START SYSTEM PRESSURE GAGES DOWNSTREAM OF THE PRESSURE REDUCING VALVES TO BE 0-300 PSIG GAGES. CONTRARY TO THE ABOVE REQUIREMENTS, ON OCTOBER 2, 1987, ALL EIGHT LUBRICATORS OF THE EDG AIR START SYSTEM WERE DOWNSTREAM OF THE RELAY AIR VALVES. ONE OF EIGHT RELAY AIR VALVES WAS EQUIPPED WITH A PRESSURE GAGE. ONE OF THE EIGHT PRESSURE REDUCING VALVE DOWNSTREAM PRESSURE GAGES WAS A 0-200 PSIG GAGE. TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENT 4.7.1.2.1 SPECIFIES, IN PART, "EACH SAFETY RELATED AUXILIARY FEEDWATER PUMP SHALL BE DEMONSTRATED OPERABLE...BY VERIFYING THAT THE STEAM TURBINE-DRIVEN PUMP STARTS... (WHEN TESTED PURSUANT TO SPECIFICATION 4.0.5)...". SPECIFICATION 4.0.5 STIPULATES "...INSERVICE TESTING OF ASME CODE CLASS 1, 2 AND 3 PUMPS AND VALVES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION XI OF THE ASME BOILER AND PRESSURE VESSEL CODE...". THE 1983 ASME BOILER AND PRESSURE VESSEL CODE, SECTION XI, "RULES FOR INSERVICE INSPECTION OF NUCLEAR POWER PLANT COMPONENTS", DIVISION 1, ARTICLE IHW-3415, "FAIL-SAFE VALVES", SPECIFIES THAT "VALVES WITH FAIL-SAFE ACTUATORS SHALL BE TESTED BY OBSERVING OPERATION OF THE VALVES UPON LOSS OF ACTUATOR POWER." CONTRARY TO THE STATED REQUIREMENTS, AS OF OCTOBER 2, 1987, THE AFW TURBINE DRIVEN PUMP HAD NOT BEEN VERIFIED TO BE CAPABLE OF STARTING BY OPERATION OF THE STEAM ADMISSION VALVES COINCIDENT WITH LOSS OF ACTUATOR POWER (USING ONLY ACCUMULATOR AIR). 10 CFR 50, SECTION 50-55A(G) SETS FORTH REQUIREMENTS FOR INSERVICE INSPECTION AND TESTING OF NUCLEAR PLANT COMPONENTS. THE LICENSEE'S PROGRAM FOR INSERVICE TESTING (IST) OF PUMPS AND VALVES IS DESCRIBED IN TOPICAL REPORT PGE-1048, "INSERVICE TESTING PROGRAM FOR PUMPS VALVES, SECOND 10-YEAR INTERVAL." SECTION 1.0 "INTRODUCTION" OF PGE-1048 INDICATES "...THOSE SYSTEMS DESIGNATED QUALITY GROUP 1, 2, 3A, AND 3B IN THE UPDATED FINAL SAFETY ANALYSIS REPORT (UFSAR) ARE INCLUDED IN THE IST PROGRAM..." UFSAR FIGURE 10.2-3 "MAIN STEAM SYSTEM" IDENTIFIES AIR SUPPLY VALVES MS226 AND MS222 TO AFW TERRY TURBINE STEAM ADMISSION ISOLATION VALVE CV 1453 AS QUALITY GROUP 2. CONTRARY TO THE STATED REQUIREMENTS, AS OF OCTOBER 2, 1987, VALVES MS 226 AND MS 222 HAD NOT BEEN INCLUDED IN THE LICENSEE'S IST PROGRAM.

10 CFR 50.59 REQUIRES THAT THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES IN THE FACILITY, TO THE EXTENT THAT THE CHANGES CONSTITUTE CHANGES TO THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT, AND MUST INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES A BASIS FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. TROJAN USAR FIGURE 9.5-10 REQUIRES THE EMERGENCY DIESEL GENERATOR (EDG) AIR START SYSTEM PRESSURE REGULATORS TO BE SET SUCH THAT DOWNSTREAM PRESSURE IS 200 PSIG. CONTRARY TO THE STATED REQUIREMENTS, ON OCTOBER 2, 1987, THE EIGHT EDG AIR START SYSTEM PRESSURE REGULATORS DOWNSTREAM PRESSURE SET TO 10 CFR 50 APPENDIX B CRITERION II REQUIRES THE ESTABLISHMENT OF A QA PROGRAM. PGE NUCLEAR QUALITY ASSURANCE PROGRAM, SUPPLEMENT 1, INCORPORATES ANSI N18.7-1976, PARAGRAPH 5.2.8, SPECIFIES THAT A SURVEILLANCE TESTING AND INSPECTION PROGRAM SHALL BE PRESCRIBED TO INSURE THAT SAFETY-RELATED STRUCTURES, SYSTEMS AND COMPONENTS WILL CONTINUE TO OPERATE, KEEPING PARAMETERS WITHIN NORMAL BOUND, OR WILL ACT TO PUT THE PLANT IN A SAFE CONDITION IF THEY EXCEED NORMAL BOUNDS. CONTRARY TO THE STATED REQUIREMENTS, EIGHT EDG AIR START SYSTEM AIR RECEIVER RELIEF VALVES HAD NOT BEEN TESTED, INSPECTED OR SET SINCE ORIGINAL CONSTRUCTION. (8703 4)

10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," REQUIRES THAT "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY...DRAWINGS,...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE DRAWINGS." TROJAN NUCLEAR PLANT DRAWING NUMBER HBD-80-50 DELINEATES THE INSTALLATION OF SUPPORT H 834 ON THE SAFETY RELATED PORTION OF THE INSTRUMENT AIR SUPPLY LINE TO THE ACTUATOR OF MAIN STEAM ISOLATION VALVE CV 2216. CONTRARY TO THE STATED REQUIREMENTS, ON SEPTEMBER 22, 1987, SUPPORT H 834 WAS NOT ATTACHED TO THE AIR SUPPLY LINE. (8703 5)

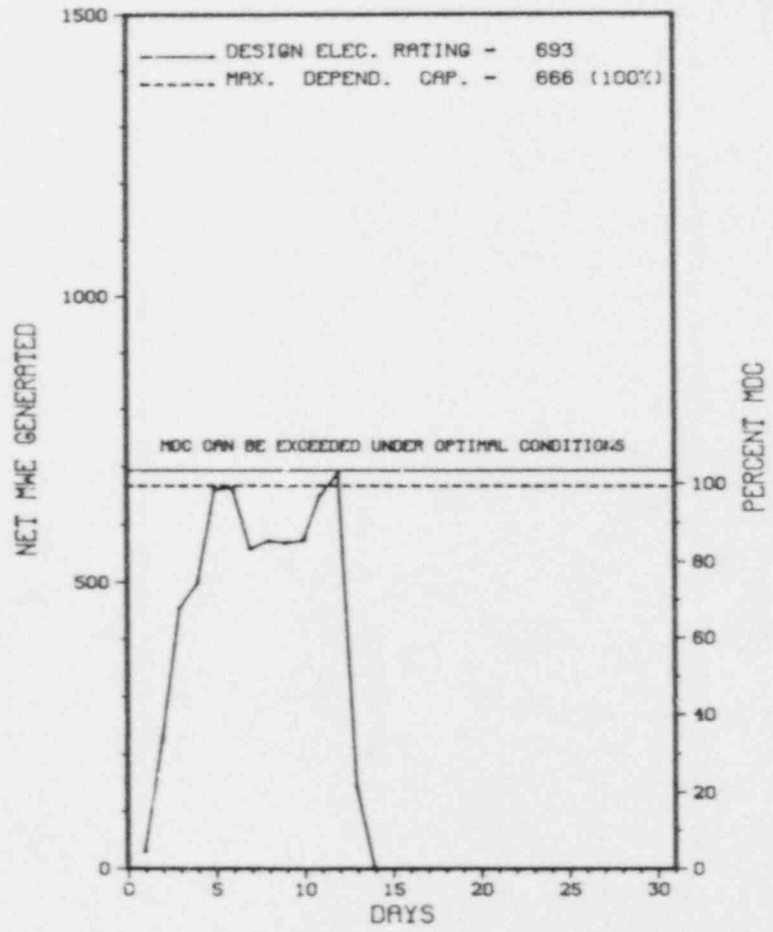
OTHER ITEMS

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 * TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MW) PLOT
 TURKEY POINT 3

1. Docket: 50-250 OPERATING STATUS
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: N. W. GRANT (305) 694-4432
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>744.0</u>	<u>744.0</u>	<u>152,873.6</u>
13. Hours Reactor Critical	<u>301.4</u>	<u>301.4</u>	<u>89,996.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>279.7</u>	<u>279.7</u>	<u>87,074.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>518,370</u>	<u>518,370</u>	<u>180,322,635</u>
18. Gross Elec Ener (MWH)	<u>160,360</u>	<u>160,360</u>	<u>57,758,361</u>
19. Net Elec Ener (MWH)	<u>147,931</u>	<u>147,931</u>	<u>54,626,717</u>
20. Unit Service Factor	<u>37.4</u>	<u>37.6</u>	<u>65.5</u>
21. Unit Avail Factor	<u>37.4</u>	<u>37.6</u>	<u>65.6</u>
22. Unit Cap Factor (MDC Net)	<u>29.9</u>	<u>29.9</u>	<u>65.2*</u>
23. Unit Cap Factor (DER Net)	<u>28.7</u>	<u>28.7</u>	<u>59.3</u>
24. Unit Forced Outage Rate	<u>61.6</u>	<u>61.6</u>	<u>10.5</u>
25. Forced Outage Hours	<u>448.4</u>	<u>448.4</u>	<u>9,695.7</u>

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

NONE

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

JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/01/88	S	15.9	B	1		HA TURBIN	THE UNIT WAS SHUTDOWN FOR MAIN TURBINE BALANCING. UPON RETURN TO OPERATION, POWER WAS LIMITED FOR CHEMISTRY CONTROL AND FLUX MAPPING.
2	01/13/88	F	448.4	A	1		RB CRDRVE	UNIT #3 EXPERIENCED A TURBINE RUNBACK TO APPROXIMATELY 70% POWER DUE TO A DROPPED CONTROL ROD. WHEN THE CAUSE OF THE DROPPED ROD COULD NOT BE DETERMINED IMMEDIATELY A CONTROLLED SHUTDOWN WAS COMMENCED. WHILE SHUTTING DOWN, TROUBLESHOOTING OF DROPPED ROD CONTINUED AND RESULTED IN THE DROPPING OF 2 ADDITIONAL RODS. A SUBCRITICAL MANUAL TRIP WAS THEN INITIATED. WHILE TROUBLE-SHOOTING THE DROPPED RODS, A SMALL WELD LEAK IN THE CRDM CANOPY WAS DISCOVERED AND REPAIRED. ADDITIONAL WORK ON A LEAKING "C" REACTOR COOLANT JUMP SEAL IS ONGOING.

 * SUMMARY *

 TURKEY POINT 3 EXPERIENCED 2 OUTAGES IN JANUARY FOR REASONS STATED ABOVE.

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

* TURKEY POINT 3 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 20, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972
DATE COMMERCIAL OPERATE...DECEMBER 14, 1972
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. BREWER
LICENSING PROJ MANAGER.....G. EDISON
DOCKET NUMBER.....50-250
LICENSE & DATE ISSUANCE...DPR-31, JULY 19, 1972
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

* INSPECTION OCTOBER 19 - NOVEMBER 23 (87-45): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE, INCLUDING BACKSHIFT INSPECTION, IN THE AREAS OF ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, ENGINEERED SAFETY FEATURES, OPERATIONAL SAFETY, AND PLANT EVENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 7-11 (87-48): THIS ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES INVOLVED REVIEW OF PREVIOUSLY IDENTIFIED FOLLOWUP ITEMS AND ENFORCEMENT ISSUES, ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROLS, CONTROL OF RADIOACTIVE MATERIAL, TRANSPORTATION, AND INSPECTOR FOLLOWUP OF UNRESOLVED ITEMS, ALLEGATIONS, AND IE INFORMATION NOTICES. ONE VIOLATION WITH FOUR EXAMPLES CONCERNING FAILURE TO FOLLOW HEALTH PHYSICS PROCEDURES AND INADEQUATE PROCEDURES WAS IDENTIFIED.

INSPECTION DECEMBER 14-16 (87-50): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF INSPECTOR FOLLOW-UP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

INADEQUATE COMPENSATORY MEASURE - LEFT POST. INADEQUATE COMPENSATORY MEASURE - LEFT POST. INADEQUATE COMPENSATORY MEASURE - LEFT POST. FAILURE TO ISSUE PICTURE BADGE. FAILURE TO ISSUE PICTURE BADGE. FAILURE TO ISSUE PICTURE BADGE.

ENFORCEMENT SUMMARY

(8704 3)

INADEQUATE LIGHTING. INADEQUATE SEARCH.

(8704 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

SELECT SAFETY SYSTEM OPERABILITY REVIEW IN PROGRESS.

FACILITY ITEMS (PLANS AND PROCEDURES):

PROCEDURE UPGRADE PROGRAM (PUP) IN PROGRESS.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 14-16, 1987 +

INSPECTION REPORT NO: 50-250/87-50 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-031	12/09/87	01/08/88	CONTROL RM VENT ISOL DUE TO LOSS OF POWER TO CONTAINMENT PARTICULATE MONITOR CAUSED BY GROUND IN BLOWDOWN EFFLUENT RADIATION
87-032	12/17/87	01/19/88	CONTROL ROOM VENTILATION ISOLATION; CONTAINMENT RADIOACTIVE PARTICULATE MONITOR ACTUATION; FACULTY REMOTE READOUT
87-033	12/25/87	01/22/88	REACTOR TRIP DURING CONTROLLED SHUTDOWN WHEN SOURCE RANGE HI NEUTRON FLUX TRIP UNBLOCKED AND A DETECTOR OUT OF SERVICE
87-034	12/29/87	01/28/88	MANUAL REACTOR TRIP FROM 70% REACTOR POWER DUE TO LOSS OF TURBINE GENERATOR ELECTRICAL LOAD

1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 694-4432

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

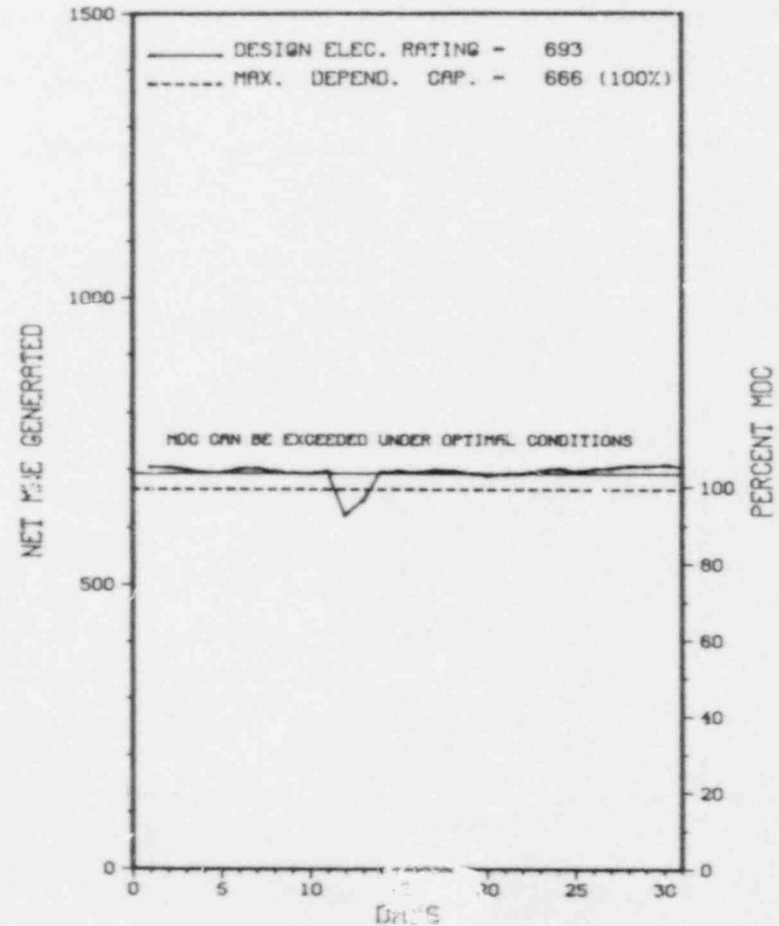
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>126,601.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>85,930.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>82,957.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,632,551</u>	<u>1,632,551</u>	<u>175,097,174</u>
18. Gross Elec Ener (MWH)	<u>540,840</u>	<u>540,840</u>	<u>55,840,664</u>
19. Net Elec Ener (MWH)	<u>516,636</u>	<u>516,636</u>	<u>52,838,467</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>65.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>65.6</u>
22. Unit Cap Factor (MDC Net)	<u>104.3</u>	<u>104.3</u>	<u>65.4*</u>
23. Unit Cap Factor (DER Net)	<u>100.2</u>	<u>100.2</u>	<u>60.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>9,580.9</u>

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

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

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* TURKEY POINT 4 *
XX

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

NONE

XXXXXXXXXX TURKEY POINT 4 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR
* SUMMARY * SIGNIFICANT POWER REDUCTIONS.
XXXXXXXXXX

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

* TURKEY POINT 4 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...2.5 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PHR
DATE INITIAL CRITICALITY...JUNE 11, 1973
DATE ELEC ENER 1ST GENER...JUNE 21, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 7, 1973
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. BREWER
LICENSING PROJ MANAGER.....G. EDISON
DOCKET NUMBER.....50-251
LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

* INSPECTION OCTOBER 19 - NOVEMBER 23 (87-45): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE, INCLUDING BACKSHIFT INSPECTION, IN THE AREAS OF ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, ENGINEERED SAFETY FEATURES, OPERATIONAL SAFETY, AND PLANT EVENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 7-11 (87-48): THIS ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES INVOLVED REVIEW OF PREVIOUSLY IDENTIFIED FOLLOWUP ITEMS AND ENFORCEMENT ISSUES, ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROLS, CONTROL OF RADIOACTIVE MATERIAL, TRANSPORTATION, AND INSPECTOR FOLLOWUP OF UNRESOLVED ITEMS, ALLEGATIONS, AND IE INFORMATION NOTICES. ONE VIOLATION WITH FOUR EXAMPLES CONCERNING FAILURE TO FOLLOW HEALTH PHYSICS PROCEDURES AND INADEQUATE PROCEDURES WAS IDENTIFIED.

INSPECTION DECEMBER 14-16 (87-50): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF INSPECTOR FOLLOW-UP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

INADEQUATE COMPENSATORY MEASURE - LEFT POST. INADEQUATE COMPENSATORY MEASURE - LEFT POST. INADEQUATE COMPENSATORY MEASURE - LEFT POST. FAILURE TO ISSUE PICTURE BADGE. FAILURE TO ISSUE PICTURE BADGE. FAILURE TO ISSUE PICTURE BADGE.

1. Docket: 50-271 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. A. WALLIN (802) 257-7711 X2272

4. Licensed Thermal Power (MWT): 1593

Nameplate Rating (Gross MWe): 626 X 0.9 = 563

5. Design Electrical Rating (Net MWe): 514

6. Maximum Dependable Capacity (Gross MWe): 535

7. Maximum Dependable Capacity (Net MWe): 504

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

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

10. Reasons for Restrictions, If Any:
NONE

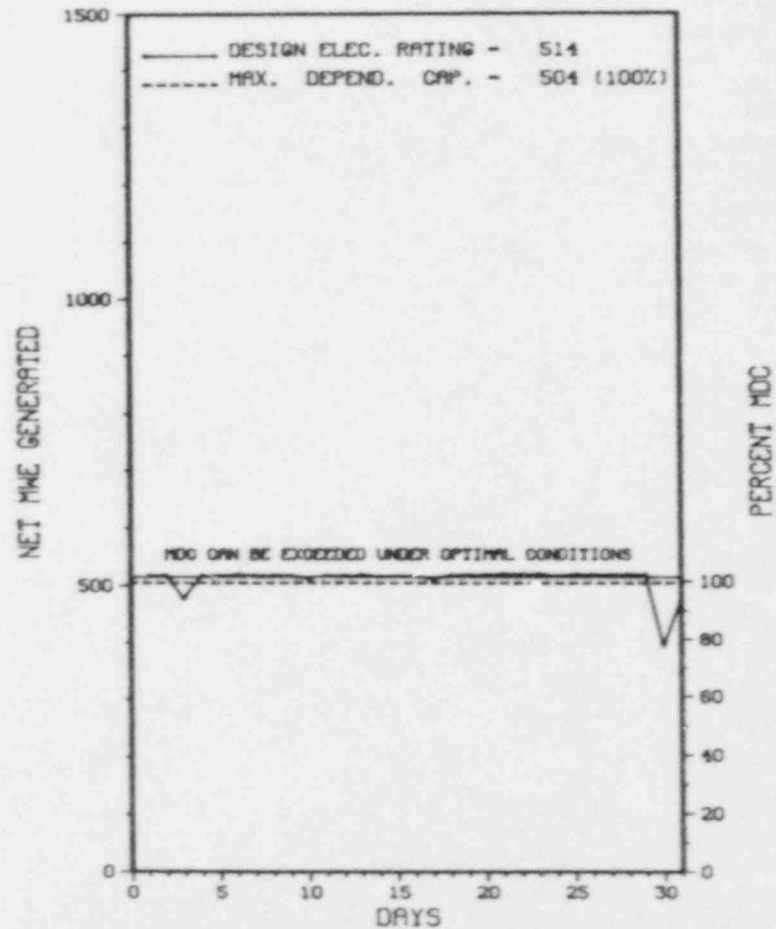
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>134,666.8</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>105,589.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>103,034.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,169,153</u>	<u>1,169,153</u>	<u>150,909,851</u>
18. Gross Elec Ener (MWH)	<u>395,527</u>	<u>395,527</u>	<u>50,235,471</u>
19. Net Elec Ener (MWH)	<u>379,488</u>	<u>379,488</u>	<u>47,674,575</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.5</u>
22. Unit Cap Factor (MDC Net)	<u>101.2</u>	<u>101.2</u>	<u>70.2</u>
23. Unit Cap Factor (DER Net)	<u>99.2</u>	<u>99.2</u>	<u>68.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,593.4</u>

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

27. If Currently Shutdown Estimated Startup Date: 1/1/88

* VERMONT YANKEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
VERMONT YANKEE 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	01/30/88	S	0.0	B	5		RB	CONROD	CONTROL ROD PATTERN EXCHANGE AND SURVEILLANCE TESTING
88-02	01/30/88	S	0.0	B	5		CB	XXXXXX	A AND B RECIRCULATION MG SETS REMOVED FROM SERVICE FOR BRUSH BEAR REPLACEMENT.

 * SUMMARY *

 VERMONT YANKEE INCURRED 2 POWER REDUCTIONS IN JANUARY FOR MAINTENANCE AND TESTING.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Expiration	9-Other	(LER) File (NUREG-0141)

FACILITY DATA

Report Period JAN 1988

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.....RD #5, BOX 169, FERRY ROAD
BRATTLEBORO, VERMONT 05301
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. RAYMOND
LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271
LICENSE & DATE ISSUANCE...DPR-28, FEBRUARY 28, 1973
PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period JAN 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X VERMONT YANKEE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-424 O P E R A T I N G S T A T U S

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: S. C. DILWORTH (404) 724-8114 X3870

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1157

6. Design Electrical Rating (Net MWe): 1101

7. Maximum Dependable Capacity (Gross MWe): 1133

8. Maximum Dependable Capacity (Net MWe): 1079

9. If Changes Occur Above Since Last Report, Give Reasons:
NEW MDC BASED ON 1987 PERFORMANCE.

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>5,881.0</u>
13. Hours Reactor Critical	<u>403.0</u>	<u>403.0</u>	<u>4,451.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>403.0</u>	<u>403.0</u>	<u>4,323.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,365,280</u>	<u>1,365,280</u>	<u>14,026,218</u>
18. Gross Elec Ener (MWH)	<u>458,820</u>	<u>458,820</u>	<u>4,642,710</u>
19. Net Elec Ener (MWH)	<u>423,830</u>	<u>423,830</u>	<u>4,345,350</u>
20. Unit Service Factor	<u>54.2</u>	<u>54.2</u>	<u>73.5</u>
21. Unit Avail Factor	<u>54.2</u>	<u>54.2</u>	<u>73.5</u>
22. Unit Cap Factor (MDC Net)	<u>52.8</u>	<u>52.8</u>	<u>68.5</u>
23. Unit Cap Factor (DER Net)	<u>51.7</u>	<u>51.7</u>	<u>67.1</u>
24. Unit Forced Outage Rate	<u>42.2</u>	<u>42.2</u>	<u>22.3</u>
25. Forced Outage Hours	<u>293.9</u>	<u>293.9</u>	<u>1,237.5</u>

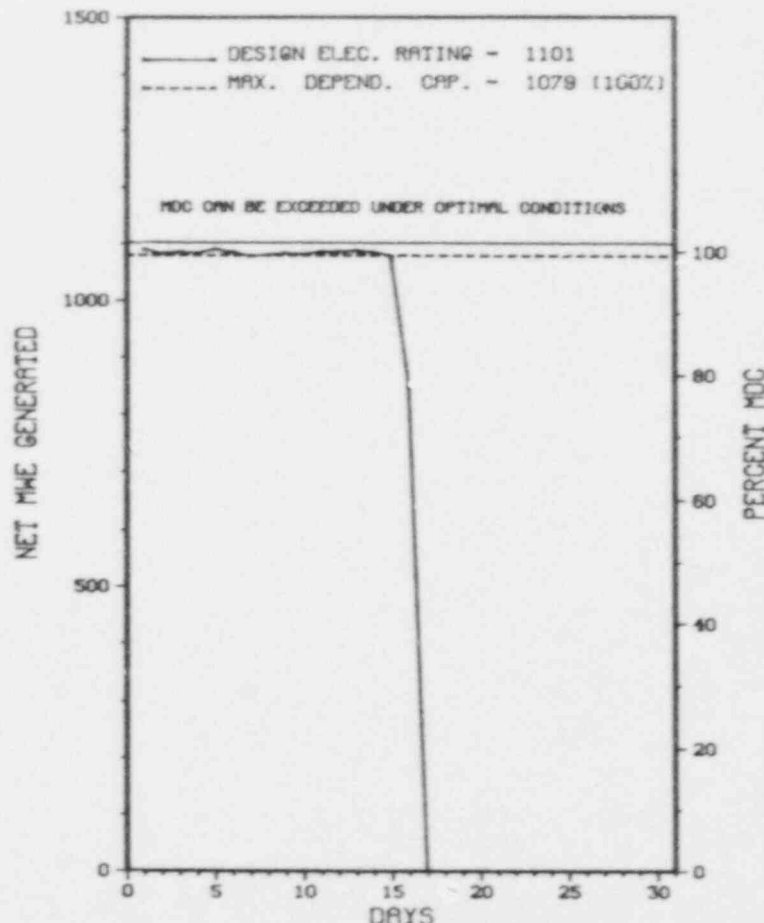
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 02/10/88

 * V O G T L E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VOGTLE 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X VOGTLE 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-1	01/17/88	F	80.5	A	3		EA	RLY	AN AUTOMATIC REACTOR TRIP OCCURRED DUE TO A LOW FLOW ACTUATION SIGNAL AS A RESULT OF RCP #2 BEING TRIPPED BY MALFUNCTION OF THE KD-10 DISTANCE RELAY #INAB06-221. THE KD-10 DISTANCE RELAY WAS REPLACED AND CALIBRATED ON 1-22-88. TESTING ON THE REMOVED RELAY AND A DESIGN MODIFICATION ARE BEING EVALUATED. THE TEST RESULTS AND THE DESIGN EVALUATION ARE SCHEDULED TO BE COMPLETED BY APRIL 15, 1988.
88-2	01/21/88	S	47.1	B	9		ZZ	ZZZZZZ	MAINTENANCE OUTAGE: A MAINTENANCE OUTAGE WAS DECLARED TO REPLACE UPPER HYDROGEN SEALS #9 & 10 IN THE GENERATOR.
88-3	01/23/88	F	213.4	A	9		ZZ	ZZZZZZ	CAUSE: A RCS LEAK WAS FOUND ON LINE 1-1201-068-124 AND A NUC DECLARED. UNIT WAS COOLED TO MODE 5 CONDITIONS AND THE LEAK REPAIRED.

XXXXXXXXXXXX VOGTLE 1 INCURRED 3 OUTAGES IN JANUARY FOR REASONS STATED ABOVE.
 X SUMMARY X
 XXXXXXXXXXXXXXX

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

* VOGTLE 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....GEORGIA
COUNTY.....BURKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SSE OF
AUGUSTA, GA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 9, 1987
DATE ELEC ENER 1ST GENER...MARCH 27, 1987
DATE COMMERCIAL OPERATE...JUNE 1, 1987
CONDENSER COOLING METHOD...CCCT
CONDENSER COOLING WATER...SAVANNAH RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY
LICENSEE.....GEORGIA POWER
CORPORATE ADDRESS.....333 PIEDMONT AVENUE, N.E., P. O. BOX 4545
ATLANTA, GEORGIA 30302
CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES & BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....GEORGIA POWER CO.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. ROGGE
LICENSING PROJ MANAGER ...J. HOPKINS
DOCKET NUMBER.....50-424
LICENSE & DATE ISSUANCE...NPF-68, MARCH 16, 1987
PUBLIC DOCUMENT ROOM.....BURKE COUNTY LIBRARY
412 FOURTH ST.
WAYNESBORO, GA. 30830

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 30 - DECEMBER 4 (87-67): THIS ROUTINE, UNANNOUNCED INSPECTION ADDRESSED THE AREAS OF THERMAL POWER MONITORING AND REACTIVITY ANOMALY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 7-11 (87-68): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF POST ACCIDENT SAMPLING SYSTEM EVALUATION, INVESTIGATION OF TECHNICAL ASPECTS OF ALLEGATIONS, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURES. THREE SCHEDULED MAINTENANCE OR CALIBRATION CHECKS WERE NOT PERFORMED IN THE REQUIRED TIME PERIODS.

INSPECTION NOVEMBER 21 - DECEMBER 18 (87-70): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED RESIDENT INSPECTION IN THE FOLLOWING AREAS: PLANT OPERATIONS, RADIOLOGICAL CONTROLS, SURVEILLANCE, FIRE PROTECTION, SECURITY, NRC BULLETIN NO. 87-02, AND QUALITY PROGRAMS AND ADMINISTRATIVE CONTROLS AFFECTING QUALITY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-397 O P E R A T I N G S T A T U S
2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: LEONARD HUTCHISON (509) 377-2486
4. Licensed Thermal Power (Mwt): 3323
5. Nameplate Rating (Gross MWe): 1201
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1140
8. Maximum Dependable Capacity (Net MWe): 1095
9. If Changes Occur Above Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>27,464.2</u>
13. Hours Reactor Critical	<u>709.8</u>	<u>709.8</u>	<u>20,616.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>340.4</u>
15. Hrs Generator On-Line	<u>696.4</u>	<u>696.4</u>	<u>19,838.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>381.7</u>
17. Gross Therm Ener (MWH)	<u>2,149,031</u>	<u>2,149,031</u>	<u>52,531,798</u>
18. Gross Elec Ener (MWH)	<u>722,760</u>	<u>722,760</u>	<u>17,539,900</u>
19. Net Elec Ener (MWH)	<u>698,019</u>	<u>698,019</u>	<u>16,865,971</u>
20. Unit Service Factor	<u>93.6</u>	<u>93.6</u>	<u>72.2</u>
21. Unit Avail Factor	<u>93.6</u>	<u>93.6</u>	<u>73.6</u>
22. Unit Cap Factor (MDC Net)	<u>85.7</u>	<u>85.7</u>	<u>56.1</u>
23. Unit Cap Factor (DER Net)	<u>85.3</u>	<u>35.3</u>	<u>55.8</u>
24. Unit Forced Outage Rate	<u>6.4</u>	<u>6.4</u>	<u>7.9</u>
25. Forced Outage Hours	<u>47.6</u>	<u>47.6</u>	<u>1,692.7</u>

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

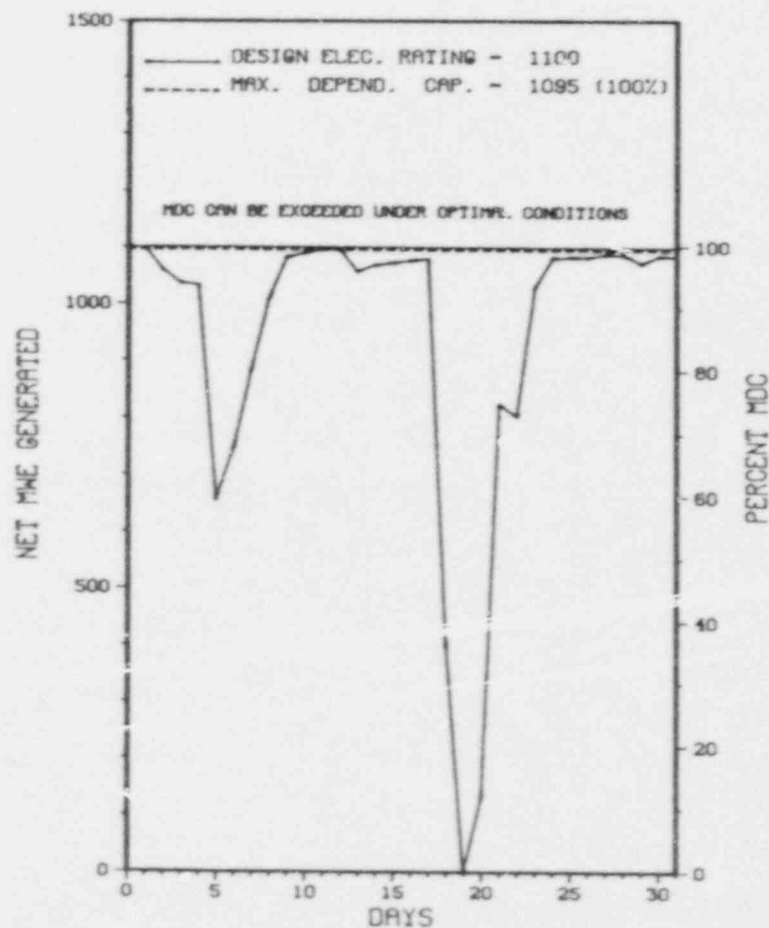
REFUELING/MAINTENANCE - 4/25/88 - DURATION 45 DAYS.

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

 * WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
81-01P	01/05/88	S	0.0	H	S		RB	CONROD	REDUCED POWER TO PERFORM A SCHEDULED CONTROL ROD SEQUENCE EXCHANGE.
81-02	01/18/88	F	40.8	A	1		HC	HTEXCH	PLANT WAS SHUTDOWN TO CORRECT A CONDENSER TUBE IN-LEAKAGE PROBLEM. PLUGGED SEVERAL LEAKING TUBES AND RETURNED UNIT TO SERVICE.
83-03	01/20/88	F	6.8	H	1		HA	INSTRU	GENERATOR WAS REMOVED FROM GRID TO RECALIBRATE TURBINE DEH AUTO STOP OIL PRESSURE SWITCHES.

 * SUMMARY *

 WNP-2 INCURRED 1 REDUCTION AND 2 FORCED OUTAGES IN JANUARY FOR REASONS STATED 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		

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.....C. BOSTED
LICENSING PROJ MANAGER....R. SAMWORTH
DOCKET NUMBER.....50-397
LICENSE & DATE ISSUANCE...NPF-21, APRIL 13, 1984
PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

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

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 6 - DECEMBER 13, 1987 (REPORT NO. 50-397/87-30) AREAS INSPECTED: ROUTINE INSPECTION BY THE RESIDENT INSPECTOR OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, LICENSEE EVENT REPORTS, SPECIAL INSPECTION TOPICS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 30 - DECEMBER 18, 1987 (REPORT NO. 50-397/87-31) AREAS INSPECTED: ROUTINE PROJECT INSPECTION IN THE AREAS OF FOLLOWUP OF INSPECTOR IDENTIFIED ITEMS, CORRECTIVE ACTION PROGRAMS AND AN INOFFICE REVIEW OF THE LATEST INSERVICE INSPECTION REPORT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 14, 1987 - JANUARY 20, 1988 (REPORT NO. 50-397/87-32) AREAS INSPECTED: ROUTINE INSPECTION BY THE RESIDENT INSPECTOR OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, COLD WEATHER PREPARATIONS, LICENSEE EVENT REPORTS, NRC BULLETIN ACTIONS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

- + INSPECTION ON JANUARY 11 - FEBRUARY 10, 1988 (REPORT NO. 50-397/88-01) INSPECTION CONTINUING; TO BE REPORTED AT A LATER DATE.
- + INSPECTION ON JANUARY 19 - FEBRUARY 29, 1988 (REPORT NO. 50-397/88-02) INSPECTION CONTINUING, TO BE REPORTED AT A LATER DATE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT CONTINUED FULL POWER OPERATION DURING MOST OF DECEMBER. THE PLANT WAS SHUT DOWN FOR FOUR DAYS TO REPAIR STEAM LEAKS AND PERFORM OTHER CORRECTIVE MAINTENANCE.

LAST IE SITE INSPECTION DATE: 01/19 - 02/29/88+

INSPECTION REPORT NO: 50-397/88-02+

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
87-30-L0	11-06-87	12-07-87	UPGRADED TECH SPEC FIRE WALL NOT CONSTRUCTED TO QUALIFY AS A 3 HOUR FIRE BARRIER AND NOT SEALED
87-31-L0	11-18-87	12-18-87	250 VOLT BATTERY FLOAT VOLTAGE BELOW TECH SPEC LIMIT AND NOT CORRECTED DUE TO PERSONNEL ERROR
87-32-L0	12-16-87	01-15-88	TECH SPEC VIOLATION DUE TO RCIC ISOLATION TRIP SYSTEM INOPERABILITY
87-33-L0	12-18-87	01-15-88	TECH SPEC VIOLATION CAUSED BY MISSED ASME VALVE OPERABILITY SURVEILLANCES

1. Docket: 59-382 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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): 1120

8. Maximum Dependable Capacity (Net MWe): 1075

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>20,641.0</u>
13. Hours Reactor Critical	<u>689.8</u>	<u>689.8</u>	<u>16,794.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>645.2</u>	<u>645.2</u>	<u>16,459.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,143,917</u>	<u>2,143,917</u>	<u>53,604,889</u>
18. Gross Elec Ener (MWH)	<u>723,320</u>	<u>723,320</u>	<u>18,104,130</u>
19. Net Elec Ener (MWH)	<u>690,008</u>	<u>690,008</u>	<u>17,222,466</u>
20. Unit Service Factor	<u>86.7</u>	<u>86.7</u>	<u>79.7</u>
21. Unit Avail Factor	<u>86.7</u>	<u>86.7</u>	<u>79.7</u>
22. Unit Cap Factor (MDC Net)	<u>86.3</u>	<u>86.3</u>	<u>77.6</u>
23. Unit Cap Factor (DEK Net)	<u>84.0</u>	<u>84.0</u>	<u>75.6</u>
24. Unit Forced Outage Rate	<u>7.9</u>	<u>7.9</u>	<u>9.8</u>
25. Forced Outage Hours	<u>55.6</u>	<u>55.6</u>	<u>1,784.4</u>

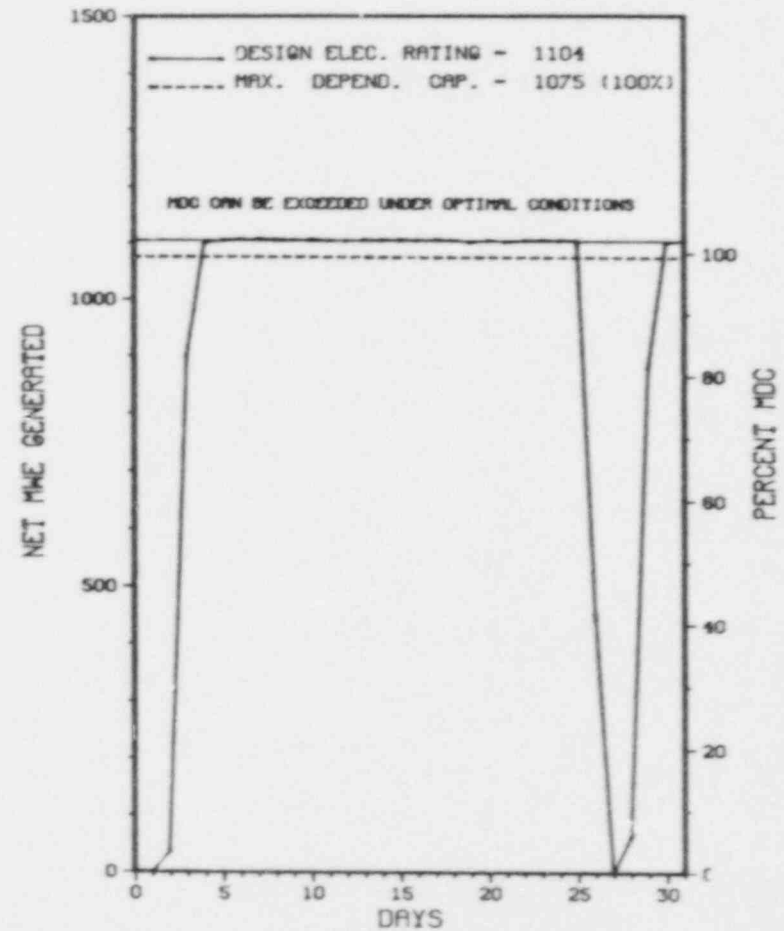
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE - 4/2/88 - 60 DAYS

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

* WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
87-12	12/30/87	S	43.2	B	4		AB	STR	UNIT SHUTDOWN TO CHANGE SUPPLY OIL STRAINER ON REACTOR COOLANT PUMP 2B.
88-01	01/26/88	F	55.6	B	2	88-002	AB	STR	UNIT SHUTDOWN TO CHANGE SUPPLY OIL STRAINER ON REACTOR COOLANT PUMP 2B.

* SUMMARY *

WATERFORD 3 EXPERIENCED 2 OUTAGES IN JANUARY FOR REASONS CITED 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		

* WATERFORD 3 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA
COUNTY.....ST CHARLES
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI W OF
NEW ORLEANS, LA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 4, 1985
DATE ELEC ENER 1ST GENER...MARCH 18, 1985
DATE COMMERCIAL OPERATE...SEPTEMBER 24, 1985
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....LOUISIANA POWER & LIGHT
CORPORATE ADDRESS.....142 DELARONDE STREET
NEW ORLEANS, LOUISIANA 70174
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....T. STAKER
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-382
LICENSE & DATE ISSUANCE...NPF-78, 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 DEC. 7-11, 1987 (87-26) ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DEC. 14-18, 1987 (87-27) ROUTINE, UNANNOUNCED INSPECTION OF EMERGENCY DETECTION AND CLASSIFICATION, PROTECTIVE ACTION DECISIONMAKING, KNOWLEDGE AND PERFORMANCE OF DUTIES, AND OPERATIONAL STATUS OF EMERGENCY PREPAREDNESS PROGRAM. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DEC. 7-11, 1987 (87-28) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RECORDS AND REPORTS, PHYSICAL BARRIERS - PROTECTED AREA, SECURITY SYSTEM POWER SUPPLY, COMPENSATORY MEASURES, ACCESS CONTROL - PERSONNEL, ALARM STATIONS, COMMUNICATIONS, AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED NOV. 30 - DEC. 4, 1987 (87-29) ROUTINE, ANNOUNCED INSPECTION OF PREVIOUSLY IDENTIFIED ITEMS AND IMPLEMENTATION OF LICENSEE ACTIONS TAKEN IN RESPONSE TO NRC COMPLIANCE BULLETIN NO. 87-02. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-482 O P E R A T I N G S T A T U S
 2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0
 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>744.0</u>	<u>744.0</u>	<u>21,143.7</u>
13. Hours Reactor Critical	<u>498.8</u>	<u>498.8</u>	<u>15,965.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>250.3</u>
15. Hrs Generator On-Line	<u>385.6</u>	<u>385.6</u>	<u>15,588.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>19.0</u>
17. Gross Therm Ener (MWH)	<u>1,216,547</u>	<u>1,216,547</u>	<u>50,642,931</u>
18. Gross Elec Ener (MWH)	<u>421,830</u>	<u>421,830</u>	<u>17,610,721</u>
19. Net Elec Ener (MWH)	<u>395,394</u>	<u>395,394</u>	<u>16,807,702</u>
20. Unit Service Factor	<u>51.8</u>	<u>51.8</u>	<u>73.7</u>
21. Unit Avail Factor	<u>51.8</u>	<u>51.8</u>	<u>73.8</u>
22. Unit Cap Factor (MDC Net)	<u>47.1</u>	<u>47.1</u>	<u>70.5</u>
23. Unit Cap Factor (DER Net)	<u>45.4</u>	<u>45.4</u>	<u>67.9</u>
24. Unit Forced Outage Rate	<u>38.6</u>	<u>38.6</u>	<u>6.7</u>
25. Forced Outage Hours	<u>242.5</u>	<u>242.5</u>	<u>1,118.8</u>

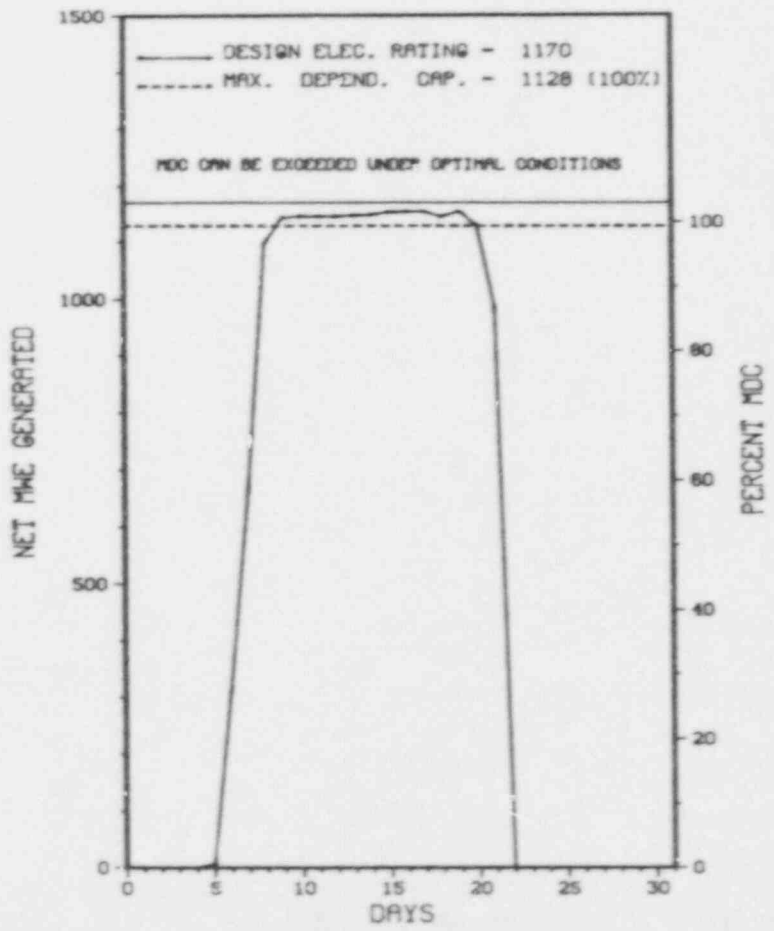
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 02/17/88

 * WOLF CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

 * WOLF CREEK 1 *

No.	Date	Type	Hours	Reason	Method	Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	09/27/87	S	115.9	C	4			REFUELING OUTAGE.
2	01/21/88	F	242.5	A	2			REACTOR VESSEL O-RING LEAKAGE.

 * SUMMARY *

 WOLF-CREEK ENTERED MONTH SHUTDOWN FOR SCHEDULED REFUELING, THEN RETURNED TO POWER AND, SUBSEQUENTLY, SHUTDOWN FOR REPAIRS.

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

Report Period JAN 1988

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

* WOLF CREEK 1 *

OTHER ITEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: NOV.17, 1987

INSPECTION REPORT NO: 50-482/87-36

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			

=====

1. Bucket: 50-029 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

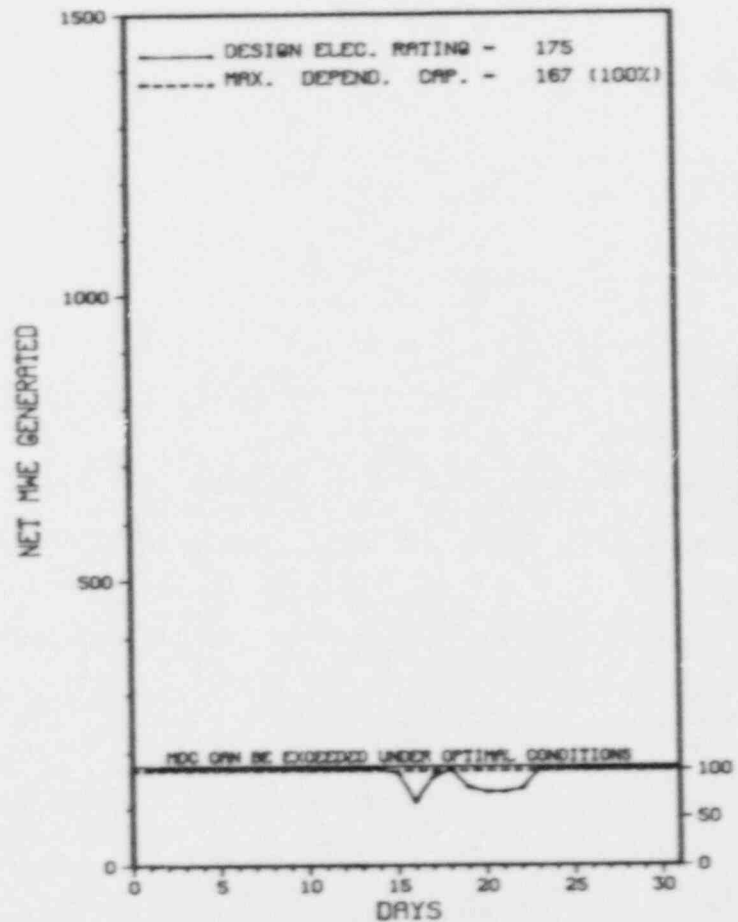
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>238,509.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>191,856.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>186,825.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>426,850</u>	<u>426,850</u>	<u>102,039,875</u>
18. Gross Elec Ener (MWH)	<u>129,246</u>	<u>129,246</u>	<u>30,914,191</u>
19. Net Elec Ener (MWH)	<u>120,879</u>	<u>120,879</u>	<u>28,925,423</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>78.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>78.3</u>
22. Unit Cap Factor (MDC Net)	<u>97.3</u>	<u>97.3</u>	<u>74.4*</u>
23. Unit Cap Factor (DER Net)	<u>92.8</u>	<u>92.8</u>	<u>70.9*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,903.9</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



JANUARY 1988

* Item calculated with a Weighted Average

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-1	01/15/88	S	0.0	B	5			PREVENTIVE MAINTENANCE ON BFF'S AND HDP'S.
88-2	01/19/88	F	0.0	A	5			REPAIRED #1 BFP MOTOR.

* SUMMARY *

YANKEE ROWE INCURRED 2 POWER REDUCTIONS IN JANUARY FOR REASONS STATED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram
	C-Refueling	H-Other	3-Auto Scram
	D-Regulatory Restriction		4-Continued
	E-Operator Training		5-Reduced Load
	& License Examination		9-Other
			Exhibit F & H
			Instructions for
			Preparation of
			Data Entry Sheet
			Licensee Event Report
			(LER) File (NUREG-3161)

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period JAN 1988

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....M. FAIRTILE
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.

1. Rocket: 50-295 OPERATING STATUS

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: GERRI AUSTIN (312) 746-2024

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>744.0</u>	<u>744.0</u>	<u>123,480.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>86,829.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>84,284.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,309,856</u>	<u>2,309,856</u>	<u>243,536,183</u>
18. Gross Elec Ener (MWH)	<u>785,326</u>	<u>785,326</u>	<u>78,000,935</u>
19. Net Elec Ener (MWH)	<u>753,474</u>	<u>753,474</u>	<u>74,125,867</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>68.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>68.3</u>
22. Unit Cap Factor (MDC Net)	<u>97.4</u>	<u>97.4</u>	<u>57.7</u>
23. Unit Cap Factor (DER Net)	<u>97.4</u>	<u>97.4</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,668.2</u>

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

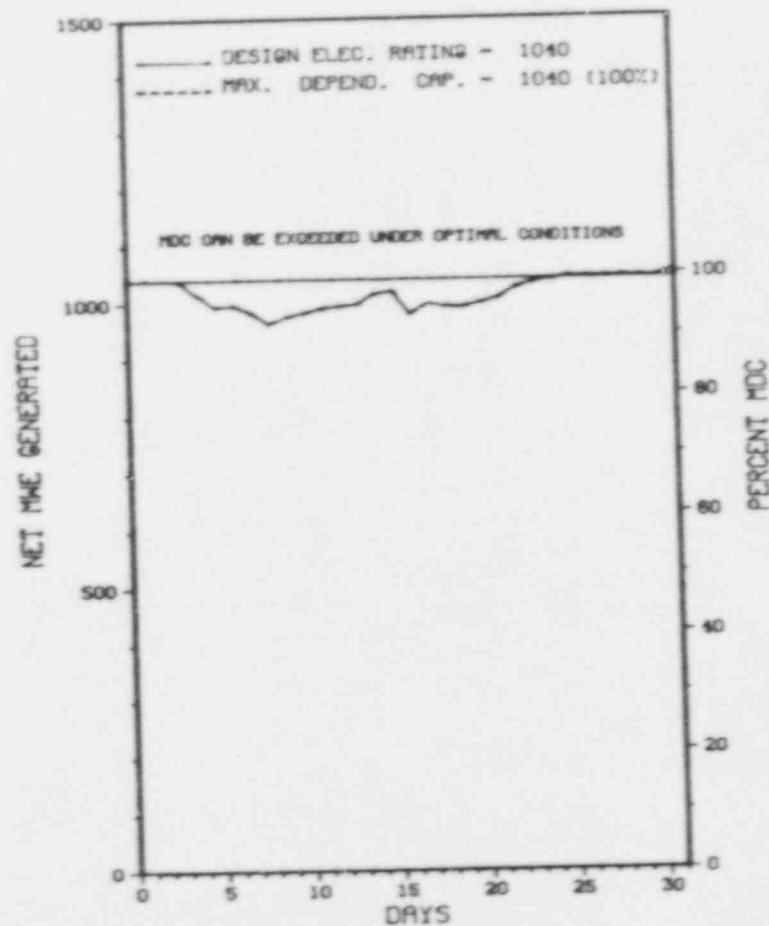
REFUELING OUTAGE - FEBRUARY 25, 1988

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

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* ZION 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXXXX ZION 1 OPERATED ROUTINELY IN JANUARY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.
* SUMMARY *
XXXXXXXXXXXX

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

* ZION 1 *

FACILITY DATA

Report Period JAN 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST ANE 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
DUCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973
PUBLIC DOCUMENT ROOM.....WAUKEGAN PUBLIC LIBRARY
128 N. COUNTY STREET
WAUKEGAN, ILLINOIS 60085

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 21 THROUGH OCTOBER 26, 1987 (REPORTS NO. 50-295/87032(DRP); 50-304/87033(DRP)): SPECIAL, UNANNOUNCED SAFETY INSPECTION OF TESTING ASSOCIATED WITH REACTOR COOLANT SYSTEM (RCS) PRESSURE ISOLATION CHECK VALVES (PIVS), LICENSEE EVENT REPORTS (LERS); AND RELATED LICENSING HISTORY AND ASSOCIATED LICENSEE PRACTICES. OF THE TWO AREAS INSPECTED, POTENTIAL VIOLATIONS OF QUALITY ASSURANCE PROGRAM REQUIREMENTS AS APPLIED TO TESTING OF PIVS, A POTENTIAL VIOLATION OF TECHNICAL SPECIFICATION REQUIREMENTS TO CONDUCT TESTING IN ACCORDANCE WITH APPROVED TEST PROCEDURES, AND A POTENTIAL VIOLATION OF AN NRC ORDER WERE IDENTIFIED. TOGETHER, THESE VIOLATIONS INDICATE A POTENTIAL BREAKDOWN OF THE LICENSEE'S MANAGEMENT CONTROL SYSTEM FOR PIV TESTING.

INSPECTION ON DECEMBER 7-17, 1987 (REPORTS NO. 50-295/87038(DRS); NO. 50-304/87039(DRS)): ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S ACTIONS REGARDING IE BULLETIN 87-02 AND THE LICENSEE'S IMPLEMENTATION OF GENERIC LETTER 83-28 IN THE AREAS OF EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, POST MAINTENANCE TESTING AND REACTOR TRIP SYSTEM RELIABILITY. CLOSED TI 2515/64RI AND TI2515/91 (25564) (25591). OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS. ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO CONTROL VENDOR TECHNICAL INFORMATION ACCORDING TO PROCEDURES).

1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 01/01/88 Outage + On-line Hrs: 744.0

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

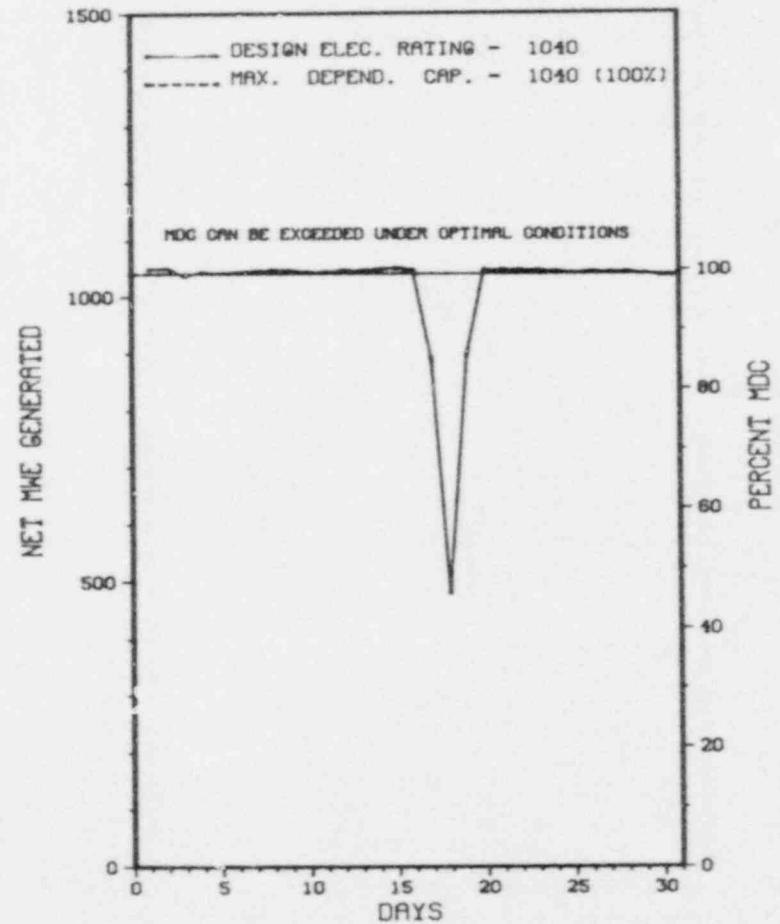
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>744.0</u>	<u>117,193.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>744.0</u>	<u>85,516.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>83,108.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,338,245</u>	<u>2,338,245</u>	<u>247,032,012</u>
18. Gross Elec Ener (MWH)	<u>788,892</u>	<u>788,892</u>	<u>78,131,025</u>
19. Net Elec Ener (MWH)	<u>756,502</u>	<u>756,502</u>	<u>74,382,322</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>70.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>70.9</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>97.8</u>	<u>61.0</u>
23. Unit Cap Factor (DER Net)	<u>97.8</u>	<u>97.8</u>	<u>61.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,795.9</u>

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

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

* Z I O N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
Z I O N 2



JANUARY 1988

Report Period JAN 1988

UNIT SHUTDOWNS / REDUCTIONS

* ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	01/17/88	S	0.3	H	5			REDUCED POWER TO 50% DUE TO HIGH GENERATOR SODIUM CAUSED BY HEATING SYSTEM WATER INTRUSION INTO SECONDARY PLANT.

***** ZION 2 INCURRED 1 POWER REDUCTION IN JANUARY FOR REASONS STATED ABOVE.
* SUMMARY *

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

* ZION 2 *

FACILITY DATA

Report Period JAN 1988

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.....WAUKEGAN PUBLIC LIBRARY
128 N. COUNTY STREET
WAUKEGAN, ILLINOIS 60085

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 21 THROUGH OCTOBER 26, 1987 (REPORTS NO. 50-295/87032(DRP); 50-304/87033(DRP)): SPECIAL, UNANNOUNCED SAFETY INSPECTION OF TESTING ASSOCIATED WITH REACTOR COOLANT SYSTEM (RCS) PRESSURE ISOLATION CHECK VALVES (PIVS), LICENSEE EVENT REPORTS (LERS); AND RELATED LICENSING HISTORY AND ASSOCIATED LICENSEE PRACTICES. OF THE TWO AREAS INSPECTED, POTENTIAL VIOLATIONS OF QUALITY ASSURANCE PROGRAM REQUIREMENTS AS APPLIED TO TESTING OF PIVS, A POTENTIAL VIOLATION OF TECHNICAL SPECIFICATION REQUIREMENTS TO CONDUCT TESTING IN ACCORDANCE WITH APPROVED TEST PROCEDURES, AND A POTENTIAL VIOLATION OF AN NRC ORDER WERE IDENTIFIED. TOGETHER, THESE VIOLATIONS INDICATE A POTENTIAL BREAKDOWN OF THE LICENSEE'S MANAGEMENT CONTROL SYSTEM FOR PIV TESTING.

INSPECTION ON DECEMBER 7-17, 1987 (REPORTS NO. 50-295/87038(DRS); NO. 50-304/87039(DRS)): ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S ACTIONS REGARDING IE BULLETIN 87-02 AND THE LICENSEE'S IMPLEMENTATION OF GENERIC LETTER 83-28 IN THE AREAS OF EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, POST MAINTENANCE TESTING AND REACTOR TRIP SYSTEM RELIABILITY. CLOSED TI 2515/64RI AND TI2515/91 (25564) (25591). OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS. ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO CONTROL VENDOR TECHNICAL INFORMATION ACCORDING TO PROCEDURES).

SECTION 3

APPENDIX

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY *****	(a)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY	NEXT REFUEL SCHED. DATE *****	(b)
	CORE SIZE (NO. OF ASSEMBLIES) *****				IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****		WILL FILL PRESENT AUTH. CAPACITY *****
ARKANSAS 1	177	968	488	480		09-88	1997
ARKANSAS 2	177	988	289	699		02-88	1999
BEAVER VALLEY 1	157	833	284	549		12-87	1995
BEAVER VALLEY 2						N/S	
BRAIDWOOD 1	173	1050	0	1050		N/S	
BYRON 1	173	1050	0	1050		N/S	1995
BYRON 2	193	1050	0	1050		N/S	
CALLAWAY 1	193	1340	180	1160		03-89	2005
CALVERT CLIFFS 1	217	1830(c)	1138(c)	692(c)		04-88	1991
CALVERT CLIFFS 2	217					04-89	1991
CATAWBA 1	193	1418	132	1286		12-88	2011
CATAWBA 2	193	1418	0	1418		12-87	2013
COOK 1	193	2050(c)	866(c)	1184(c)		N/S	1994
COOK 2	193					N/S	1994
CRYSTAL RIVER 3	177	1163	328	829		09-87	1997
DAVIS-BESSE 1	177	735	204	531		03-88	1993
DIABLO CANYON 1	193	1400	0	1400		03-88	1993
DIABLO CANYON 2	193	1400		1400		N/S	
FARLEY 1	157	1407	273	1134		03-88	1991
FARLEY 2	157	1407	240	1167		10-87	1994
FORT CALHOUN 1	133	729	393	336		09-88	1996
GINNA	121	1016	420	596		02-88	1993
HADDAM NECK	157	1168	653	515		07-87	1996
HARRIS 1	157		0			N/S	
INDIAN POINT 1(d)	0	288	160	128		N/S	
INDIAN POINT 2	193	980	460	520		10-87	1993
INDIAN POINT 3	193	840	292	548		N/S	1993
KEWAUNEE	121	990	376	614(m)		03-88	1993
MAINE YANKEE	217	1476	721	755		N/S	1987
MCGUIRE 1	193	1463	293	1170(n)		11-88	2010
MCGUIRE 2	193	1463	424	1039		05-88	2010
MILLSTONE 2	217	1277	512	765		01-88	1994
MILLSTONE 3	193	756	84	672		06-89	1996
NORTH ANNA 1	157	1737(c)	520(c)	1217		04-87	1993
NORTH ANNA 2	157					10-87	1993
OCONEE 1	177	1312(1)	874	438(1)(n)		02-89	1991
OCONEE 2	177					02-88	1991
OCONEE 3	177	875	513	362		07-88	1991
PALISADES	204	798	477	321		N/S	2002
PALO VERDE 1	241	1329	80	1249		10-87	2006
PALO VERDE 2	241	1329	0	1329		02-88	2006
PALO VERDE 3	241	1329	0	0		02-89	2007
POINT BEACH 1	121	1502(c)	875(c)	626(c)		04-88	1995
POINT BEACH 2	121					N/S	1995
PRAIRIE ISLAND 1	121	1586(c)	781(c)	805(c)(m)		N/S	1993
PRAIRIE ISLAND 2	121					01-88	1993
RANCHO SECO 1	177	1080	316	764		03-89	2001

Report Period JAN 1988

* PRESSURIZED * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	ROBINSON 2	157	441	274	266(e)	379	N/S
SALEM 1	193	1170	464	706		03-89	2001
SALEM 2	193	1170	224	946		09-88	2003
SAN ONOFRE 1	157	216	146	70		07-88	1988
SAN ONOFRE 2	217	800	268	532		08-89	1997
SAN ONOFRE 3	217	800	160	640		04-88	1997
SEQUOYAH 1	193	1386	348	1033		N/S	1994
SEQUOYAH 2	193					N/S	1994
ST LUCIE 1	217	728	372	356		N/S	1993
ST LUCIE 2	217	1076	152	924		N/S	1993
SUMMER 1	157	1276	96	1180		N/S	2008
SURRY 1	157	1944(c)	901(c)	143(c)		N/S	1987
SURRY 2	157					N/S	1987
THREE MILE ISLAND 1	177	752	284	468		07-88	1991
THREE MILE ISLAND 2	177	442	0	442		N/S	
TROJAN	193	1408	425	983		04-88	1993
TURKEY POINT 3	157	1404	445	959(m)		N/S	1993
TURKEY POINT 4	157	1404	482	922		N/S	1993
VOGTLE 1	0	0	0	0		N/S	
WATERFORD	217	1088	0	1088		N/S	1993
WOLF CREEK	193	1340	0	1340		01-88	
YANKEE-ROWE 1	76	721	325	396		N/S	1993
ZION 1	193	2112(c)	1148(c)	964(c)		02-88	1995
ZION 2	193					10-88	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.

(b) Some of these dates have been adjusted by staff assumptions.

(c) This is the total for both units.

(d) Plant not in commercial operation.

(e) Some spent fuel stored at Brunswick.

(f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.

(g) Robinson 2 assemblies being shipped to Brunswick for storage.

(h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.

(i) No longer accepting spent fuel.

(j) Racked for 700 MTU.

(k) Reserved.

(l) This is the station total.

(m) Installed capacity is less than that authorized.

(n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

***** * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY * WATER * * REACTORS * *****							
FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	BIG ROCK POINT 1	84	441	212	229		04-88
BROWNS FERRY 1	764	3471	1288	2183		N/S	1993
BROWNS FERRY 2	764	3471	1161	2310(m)	1819	N/S	1993
BROWNS FERRY 3	764	3471	1004	2467(m)		N/S	1993
BRUNSWICK 1	560	1803	160PWR+1016BWR	787		11-88	1990
BRUNSWICK 2	560	1839	144PWR+940BWR	899		01-88	1991
CLINTON 1	624	2672	0	2672		12-89	2010
COOPER STATION	548	2366	790	1576		03-88	1996
DRESDEN 1 (d)	464	672	221	451		N/S	1990
DRESDEN 2	724	3537	1413	2124		N/S	1993
DRESDEN 3	724	3537	1271	2266		03-88	1993
DUANE ARNOLD	368	2050	824	1226		10-88	1998
FERMI 2						N/S	
FITZPATRICK	560	2244	1200	484		08-88	1992
GRAND GULF 1	809	1440	0	1440		11-87	1993
HATCH 1	560	6026	1580	4446		N/S	1999
HATCH 2	560			1325		03-88	1999
HOPE CREEK 1						02-88	
HUMBOLDT BAY(d)	172	487	251	236		N/S	
LA CROSSE (d)	72	440	261	179		N/S	1992
LASALLE 1	764	2162	191	1971		03-88	1988
LASALLE 2	764					N/S	1988
LIMERICK 1	764	2040	0	2040		N/S	1993
MILLSTONE 1	580	2184	1732	452		03-89	1987

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY
 * WATER *
 * REACTORS * (a)

FACILITY *****	(a)		NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****					
MONTICELLO	484	2237	822	1415		12-87	1999
NINE MILE POINT 1	532	2776	1377	1399	1788	03-88	1996
NINE MILE POINT 2						N/S	
OYSTER CREEK 1	560	2600	1392	1208		N/S	1994
PEACH BOTTOM 2	764	3819	1462	2357		03-87	1995
PEACH BOTTOM 3	764	3819	1496	2323		03-87	1996
PERRY 1	0	0	0	0		N/S	
PILGRIM 1	580	2320	1320	1000		09-89	1990
QUAD CITIES 1	724	3657	1773	1884		06-89	2008
QUAD CITIES 2	724	3897	1311	2586		04-88	2008
RIVER BEND 1						09-87	
SUSQUEHANNA 1	764	2840	382	2458		N/S	1997
SUSQUEHANNA 2	764	2840	0	2840		03-88	1997
VERMONT YANKEE 1	368	2000	1296	704		N/S	1992
WASHINGTON NUCLEAR*	744	2658	272	2386		04-88	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) Reserve.
- (l) This is the station total.
- (m) Installed capacity is less than that authorized.
- (n) McGuire 1 authorized to accept Oconee fuel assemblies.

 N/S = Not Scheduled

(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

*****				*****				*****				
	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT
* LICENSED *	13.50	08/01/74	ARKANSAS 1	9.10	12/26/78	ARKANSAS 2	11.63	06/14/76	BEAVER VALLEY 1			
* OPERATING *	.46	08/17/87	BEAVER VALLEY 2	25.15	12/08/62	BIG ROCK POINT 1	.56	07/12/87	BRAIDWOOD 1			
* ELECTRICAL *	14.30	10/15/73	BROWNS FERRY 1	13.43	08/28/74	BROWNS FERRY 2	11.39	09/12/76	BROWNS FERRY 3			
* PRODUCING *	11.16	12/04/76	BRUNSWICK 1	12.76	04/29/75	BRUNSWICK 2	2.92	03/01/85	BYRON 1			
* UNITS *	.99	02/06/87	BYRON 2	3.27	10/24/84	CALLAWAY 1	13.08	01/03/75	CALVERT CLIFFS 1			
*****	11.15	12/07/76	CALVERT CLIFFS 2	3.03	01/22/85	CATAWBA 1	1.71	05/18/86	CATAWBA 2			
	.77	04/24/87	CLINTON 1	12.97	02/10/75	COOK 1	9.86	03/22/78	COOK 2			
	13.73	05/10/74	COOPER STATION	11.00	01/30/77	CRYSTAL RIVER 3	10.43	08/28/77	DAVIS-BESSE 1			
	3.22	11/11/84	DIABLO CANYON 1	2.28	10/20/85	DIABLO CANYON 2	17.80	04/13/70	DRESDEN 2			
	16.53	07/22/71	DRESDEN 3	13.71	05/19/74	DUANE ARNOLD	10.46	08/18/77	FARLEY 1			
	6.69	05/25/81	FARLEY 2	1.36	09/21/86	FERMI 2	13.00	02/01/75	FITZPATRICK			
	14.44	08/25/73	FORT CALHOUN 1	11.14	12/11/76	FORT ST VRAIN	18.17	12/02/69	GINNA			
	3.28	10/20/84	GRAND GULF 1	20.49	08/07/67	HADDAM NECK	1.03	01/19/87	HARRIS 1			
	13.22	11/11/74	HATCH 1	9.36	09/22/78	HATCH 2	1.50	08/01/86	HOPE CREEK 1			
	14.60	06/26/73	INDIAN POINT 2	11.76	04/27/76	INDIAN POINT 3	13.82	04/08/74	KEWAUNEE			
	5.41	09/04/82	LASALLE 1	3.78	04/20/84	LASALLE 2	2.80	04/13/85	LIMERICK 1			
	15.23	11/08/72	MAINE YANKEE	6.59	06/30/81	MCGUIRE 1	4.70	05/23/83	MCGUIRE 2			
	17.17	11/29/70	MILLSTONE 1	12.23	11/09/75	MILLSTONE 2	1.97	02/12/86	MILLSTONE 3			
	16.91	03/05/71	MONTICELLO	18.23	11/09/69	NINE MILE POINT 1	.48	08/08/87	NINE MILE POINT 2			
	9.79	04/17/78	NORTH ANNA 1	7.44	08/25/80	NORTH ANNA 2	14.74	05/06/73	OCONEE 1			
	14.16	12/05/73	OCONEE 2	13.42	09/01/74	OCONEE 3	18.36	09/23/69	OYSTER CREEK 1			
	16.09	12/31/71	PALISADES	2.64	06/10/85	PALO VERDE 1	1.70	05/20/86	PALO VERDE 2			
	.18	11/28/87	PALO VERDE 3	13.95	02/18/74	PEACH BOTTOM 2	13.42	09/01/74	PEACH BOTTOM 3			
	1.12	12/19/86	PERRY 1	15.54	07/19/72	PILGRIM 1	17.24	11/06/70	POINT BEACH 1			
	15.50	08/02/72	POINT BEACH 2	14.16	12/04/73	PRAIRIE ISLAND 1	13.11	12/21/74	PRAIRIE ISLAND 2			
	15.81	04/12/72	QUAD CITIES 1	15.69	05/23/72	QUAD CITIES 2	13.30	10/13/74	RANCHO SECO 1			
	2.16	12/03/85	RIVER BEND 1	17.35	09/26/70	ROBINSON 2	11.10	12/25/76	SALEM 1			
	6.66	06/03/81	SALEM 2	20.55	07/16/67	SAN ONOFRE 1	5.37	09/20/82	SAN ONOFRE 2			
	4.35	09/25/83	SAN ONOFRE 3	7.53	07/22/80	SEQUOYAH 1	6.11	12/23/81	SEQUOYAH 2			
	11.74	05/07/76	ST LUCIE 1	4.64	06/13/83	ST LUCIE 2	5.21	11/16/82	SUMMER 1			
	15.58	07/04/72	SURRY 1	14.90	03/10/73	SURRY 2	5.21	11/16/82	SUSQUEHANNA 1			
	3.58	07/03/84	SUSQUEHANNA 2	13.62	06/19/74	THREE MILE ISLAND 1	12.11	12/23/75	TROJAN			
	15.25	11/02/72	TURKEY POINT 3	14.61	06/21/73	TURKEY POINT 4	15.36	09/20/72	VERMONT YANKEE 1			
	.85	03/27/87	VOGTLE 1	3.68	05/27/84	WASHINGTON NUCLEAR 2	2.87	03/18/85	WATERFORD 3			
	2.64	06/12/85	WOLF CREEK 1	27.23	11/10/60	YANKEE-ROWE 1	14.60	06/28/73	ZION 1			
	14.10	12/26/73	ZION 2									
TOTAL 1068.06 YRS												

*****				*****				
	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT
* PERMANENTLY *	3.80	08/14/64	06/01/68	BONUS	3.04	12/18/63	01/01/67	CVTR
* OR *	18.54	04/15/60	10/31/78	DRESDEN 1	4.44	08/24/63	02/01/68	ELK RIVER
* INDEFINITELY*	6.32	08/05/66	11/29/72	FERMI 1	1.26	05/29/63	09/01/64	HALLAM
* SHUTDOWN *	13.21	04/18/63	07/02/76	HUMBOLDT BAY	12.12	09/16/62	10/31/74	INDIAN POINT 1
* UNITS *	19.01	04/26/68	04/30/87	LA CROSSE	1.19	07/25/66	10/01/67	PATHFINDER
*****	7.76	01/27/67	11/01/74	PEACH BOTTOM 1	2.16	11/04/63	01/01/66	PIQUA
	.93	04/21/78	03/28/79	THREE MILE ISLAND 2				
TOTAL 93.78 YRS								

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOGA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01	
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	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	50-115	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
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0

 * 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	LOWELL WORCESTER	UNIVERSITY OF LOWELL WORCESTER POLYTECHNIC INSTITUTE	GE	50-223	R-125	12-24-74	1000.0
			GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR EAST LANSING MIDLAND	UNIVERSITY OF MICHIGAN MICHIGAN STATE UNIVERSITY DOW CHEMICAL COMPANY	POOL	50-002	R-28	09-13-57	2000.0
			TRIGA MARK I	50-294	R-114	03-21-69	250.0
			TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA ROLLA	UNIVERSITY OF MISSOURI, COLUMBIA UNIVERSITY OF MISSOURI	TANK	50-186	R-103	10-11-66	10000.0
			POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX BUFFALO ITHACA ITHACA NEW YORK TUXEDO	MANHATTAN COLLEGE - PYHSICS DEPT. STATE UNIVERSITY OF NEW YORK CORNELL UNIVERSITY CORNELL UNIVERSITY COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK CINTICHEM INC.	TANK	50-199	R-94	03-24-64	0.0001
			PULSTAR	50-057	R-77	03-24-61	2000.0
			TRIGA MARK II	50-157	R-80	01-11-62	100.0
			ZPR	50-097	R-89	12-11-62	0.1
			TRIGA MARK II	50-208	k-128	04-14-77	250.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	POOL	50-054	R-81	09-07-61	5000.0
			PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	03-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.015
OREGON	CORVALLIS PORTLAND	OREGON STATE UNIVERSITY REED COLLEGE	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
			TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN COLLEGE STATION COLLEGE STATION	UNIVERSITY OF TEXAS TEXAS A&M UNIVERSITY TEXAS A&M UNIVERSITY	TRIGA MARK I	50-192	R-92	08-26-63	250.0
			AGN-201M #106	50-059	R-23	08-26-57	0.005
			TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO SALT LAKE CITY	BRIGHAM YOUNG UNIVERSITY THE UNIVERSITY OF UTAH	L-77	50-262	R-109	09-07-67	0.01
			TRIGA MARK I	50-407	R-126	09-30-75	100.0

 * RESEARCH *
 * REACTORS *

NON - POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M	#107 50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG CHARLOTTESVILLE CHARLOTTESVILLE LYNCHBURG	VIRGINIA POLYTECHNIC INSTITUTE UNIVERSITY OF VIRGINIA UNIVERSITY OF VIRGINIA BABCOCK & WILCOX COMPANY	UTR-10	50-124	R-62	12-18-59	100.0
			CAVALIER	50-396	R-123	09-24-74	0.1
			POOL	50-062	R-66	06-27-60	2000.0
			LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN SEATTLE	WASHINGTON STATE UNIVERSITY UNIVERSITY OF WASHINGTON	TRIGA	50-027	R-76	03-06-61	1000.0
			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	50.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10.0

 * CRITICAL EXPERIMENT FACILITIES *

NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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Status Summary Report

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4. DATE REPORT COMPLETED

MONTH YEAR
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Status Summary Report

13. 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 Administration and Resources Management from the Headquarters staff of NRC's Office of Enforcement (OE), 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, OE 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.

14. DOCUMENT ANALYSIS - KEYWORDS/DESCRIPTORS

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Commercial Operating Units15. AVAILABILITY
STATEMENT

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